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 WATER QUALITY DATA FOR SANDUSKY RIVER MATERIAL TRANSPORT STATIO--ETC(U)
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WATER QUALITY DATA FOR SANDUSKY RIVER MATERIAL TRANSPORT STATION--ETC(U)

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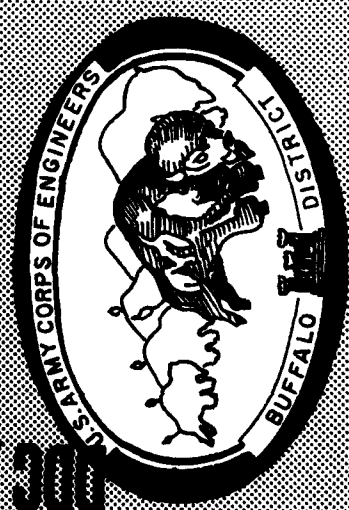
WATER
QUALITY
DATA

WATER QUALITY DATA SANDUSKY RIVER MATERIAL TRANSPORT

LAKE ERIE
WASTEWATER
MANAGEMENT
STUDY

ADA 079691

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WATER QUALITY DATA

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SANDUSKY RIVER
MATERIAL TRANSPORT

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report presents data that represents water quality information collected at nine Sandusky River material transport sampling stations for the Lake Erie Wastewater Management Study. A list of these stations along with the U. S. Geological Survey gage number and drainage area is provided.		

The selection of the Sandusky River material transport stations was based on two criteria: (1) whether a USGS gaging station was presently in existence, and (2) whether the site could best represent a tributary which drains a large previously unmonitored land area. In the second case, USGS gaging stations were eventually established.

Samples collected were analyzed for the following parameters: total phosphorus, orthophosphorus, ammonia nitrogen, nitrite-nitrate nitrogen chlorides, dissolved silica, suspended solids, and conductivity. In addition, 20 percent of the samples were analyzed for total kjeldahl nitrogen, and iron.

The water quality information in this publication was collected and analyzed for the Lake Erie Wastewater Management Study by Heidelberg College, River Studies Laboratory, Tiffin, OH.

**WATER QUALITY DATA
FOR
SANDUSKY RIVER MATERIAL TRANSPORT STATIONS.**

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

COLLECTED AND ANALYZED
BY
HEIDELBURG COLLEGE
RIVER STUDIES LABORATORY

AUGUST 1970

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West Branch Wolf Creek at Bettsville, Ohio	199
Sandusky River near Fremont, Ohio	223

**WATER QUALITY DATA
FOR
SANDUSKY RIVER MATERIAL TRANSPORT STATIONS.**

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

**COLLECTED AND ANALYZED
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INTRODUCTION

The data presented in this report represents water quality information collected at nine Sandusky River material transport sampling stations for the Lake Erie Wastewater Management Study.

A list of these stations along with the US Geological Survey gage number and drainage area is provided in Table 1. Figure 1 shows the relative location of the Sandusky River Basin in relation to Lake Erie, and Figure 2 indicates the approximate location of the nine sampling stations in the Sandusky River Basin.

The selection of the Sandusky River material transport stations was based on two criteria: (1) whether a U.S.G.S. gaging station was presently in existence, and (2) whether the site could best represent a tributary which drains a large previously unmonitored land area. In the second case, U.S.G.S. gaging stations were eventually established.

Samples collected were analyzed for the following parameters: total phosphorus, ortho phosphorus, ammonia nitrogen, nitrite-nitrate nitrogen chlorides, dissolved silica, suspended solids, and conductivity. In addition, 20 percent of the samples were analyzed for total kjeldahl nitrogen, and iron.

The water quality information in this publication was collected and analyzed for the Lake Erie Wastewater Management Study by Heidelberg College, River Studies Laboratory, Tiffin, OH.

SANDUSKY RIVER MATERIAL TRANSPORT SAMPLING STATIONS

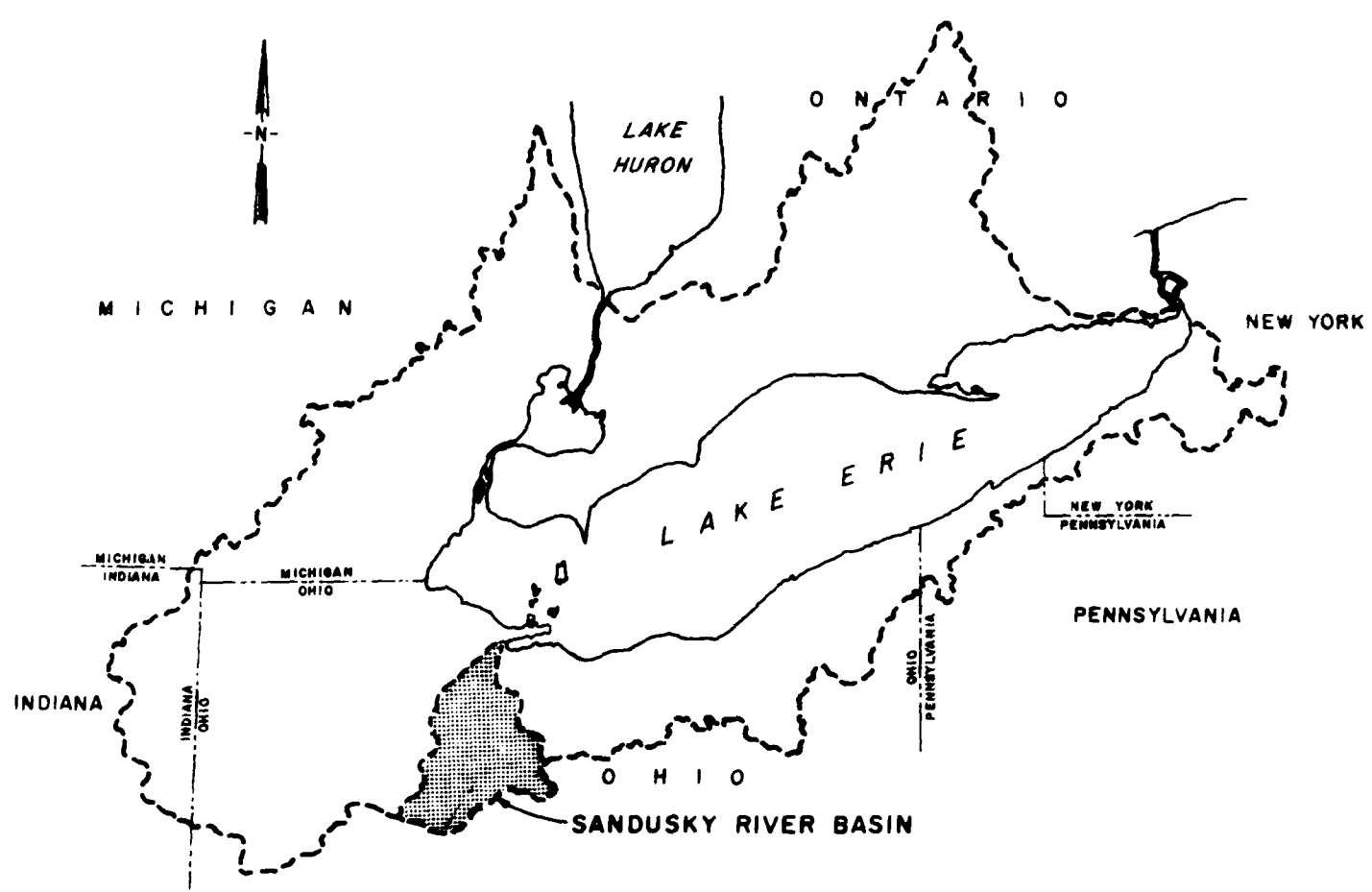
TABLE I

STATION IDENTIFICATION	LEWMS CODE	USGS NUMBER	DRAINAGE AREA IN SQ. MILES	MAP * REFERENCE #
Sandusdy River near Bucyrus	03SB	04196000	88.8	1
Broken Sword Creek at Nevada	03BS	04196200	83.8	2
Sandusky River near Upper Sandusky	03US	04196500	298	3
Tymochtee Creek at Crawford	03TC	04196800	229	4
Sandusky River near Mexico	03SM	04197000	774	5
Honey Creek at Melmore	03HC	04197100	149	6
East Branch Wolf Creek at Bettsville	03EW	04197450	82.4	7
West Branch Wolf Creek at Bettsville	03WW	04197300	66.2	8
Sandusky River near Fremont	03SF	04198000	1,251	9

* Numbers refer to Figure 2.

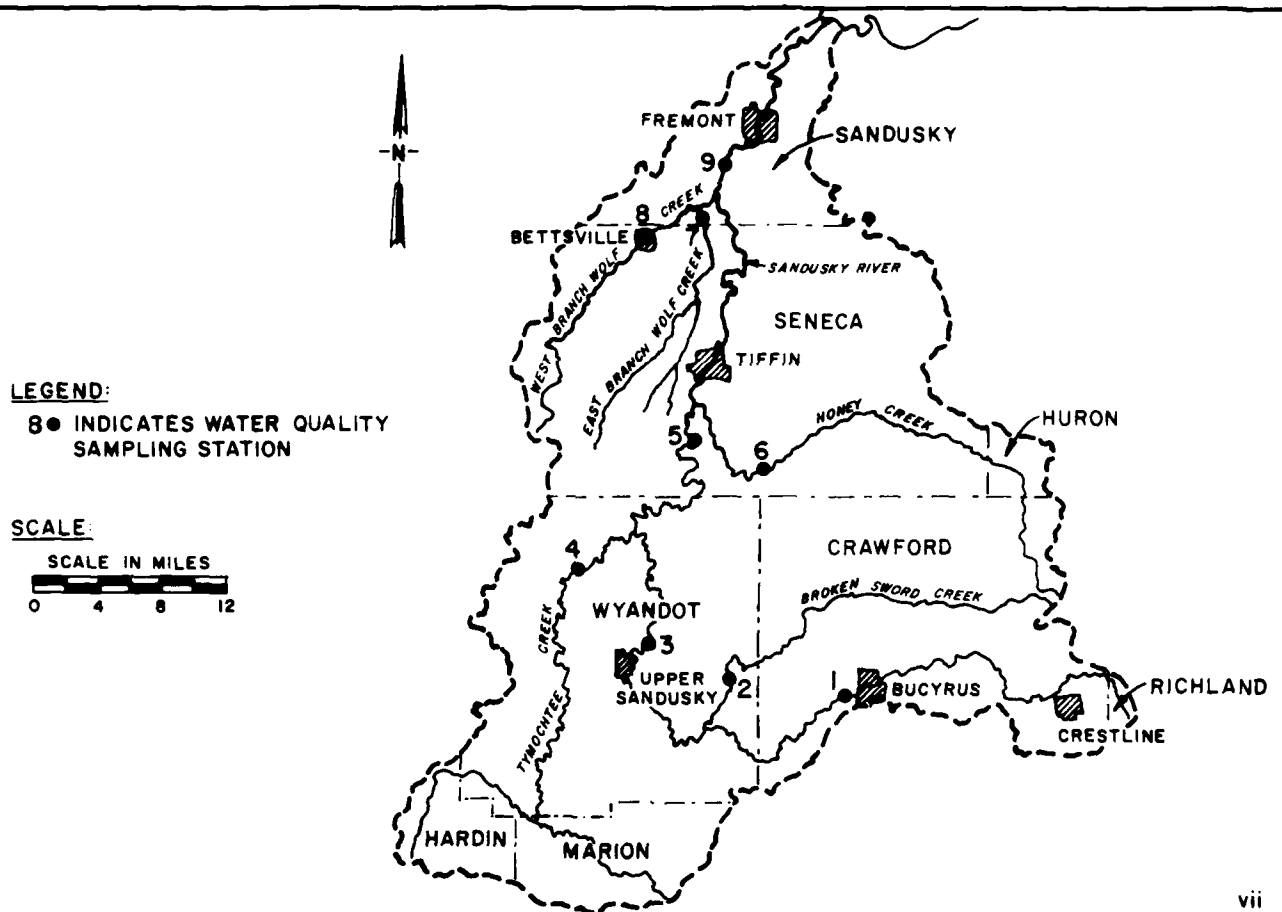
LAKE ERIE BASIN

FIGURE 1



SANDUSKY RIVER BASIN

FIGURE 2



ANALYTICAL PROCEDURES

The analytical method used on each parameter sampled at the Sandusky River material transport stations are given below.

TOTAL PHOSPHORUS

Total phosphorus analyses was performed using the automated colorimetric ascorbic acid reduction method for Technicon Autoanalyzer II systems as described in the Methods for Chemical Analysis of Water and Wastes, U.S. Environmental Protection Agency, 1974, beginning on page 256. The persulfate digestion was performed by heating in an autoclave for 30 minutes at 121°C. For samples with high suspended solids, the samples were filtered through a prewashed glass fiber filter (millipore AP2504700) following removal from the autoclave and before cooling. Standard solutions and blanks were included with each batch of samples and underwent the same digestion procedures as the samples. Reported as P.

DISSOLVED ORTHOPHOSPHATE

The analytical procedures for dissolve orthophosphate was the same as those used for total phosphorus as described above except that sample pretreatment consisted of filtration of the raw sample through a prewashed Millipore HAWP filter. The filtrate was then directly analyzed by the colorimetric procedure cited above. Reported as P.

RESIDUE, TOTAL NON-REFILTERABLE (SUSPENDED SOLIDS)

Suspended solids were analyzed according to the procedures outlined in the Methods for Chemical Analysis of Water and Wastes (U.S.E.P.A., 1974, page 268 and following). A well mixed sample was filtered through a preweighed glass fiber filter, (Reeve Angel 934AH) and the residue retained on the filter was dried to constant weight at 103-105°C. Weighings were done on a Mettler H20T balance with digital readout to the nearest 0.01 milligrams.

NITROGEN, NITRATE-NITRITE

The automated cadmium reduction method was employed as described in the Methods for Chemical Analysis of Water and Wastes (U.S.E.P.A., 1974

page 207 and following). The analyses was run on the same filtrate as used for dissolved orthophosphate. The values reported included both nitrate and nitrite nitrogen.

In this method a filtered sample is passed through a column containing granulated copper-cadium to reduce nitrate to nitrite. The nitrite (that originally presented plus reduced nitrate) is determined by diazotizing with sulfanilamide and coupling with N-(1-naphthyl)-ethylenediamine dihydrochloride to form a highly colored azo dye which is measured colorimetrically. Reported as N.

NITROGEN, AMMONIA

The automated colorimetric phenate method was employed as described in the above manual (E.P.A., 1974, page 168 and following). The analysis was run on the same filtrate as used for dissolved orthophosphate and nitrate-nitrite. In this method Alk-line phenol and hypochlorite react with ammonia to form indophenol blue that is proportional to the ammonia concentration. The blue color formed is intensified with sodium nitroprusside. Reported as N.

SPECIFIC CONDUCTANCE

Specific conductance was measured using a Barnstead Model PM 70CB Conductivity Meter and a YSI conductivity cell. Samples were brought to 25°C prior to measurements. Details of the procedure are outlined in Standard Methods for the Examination of Water and Wastewater, 13th Edition, (1971), page 323.

SILICA, DISSOLVED

Silica analyses was performed using the automated method (Tehnicon Industrial Method #182-72W) on the same filtrates as used for dissolved orthophosphate. Reported as SiO_2

CHLORIDE

Chloride analysis was performed using the procedures outlined in the Methods for Chemical Analysis of Water and Wastes (U.S.E.P.A., 1974, page 31 and following). Thiocyanate ion (SCN) is liberated from mercuric thiocyanate, through sequestration of mercury by chloride ion to form un-ionized mercuric chloride. In the presence of ferric ion, the liberated SCN forms highly colored ferric thiocyanate, in concentration proportional to the original chloride concentration. Reported as Cl.

IRON

The analysis of iron was done according to the procedure given in Standard Methods for the Examination of Water and Wastewater, 13th Edition, (1971), with some modification. A Technicon Autoanalyser was utilized according to the automated method (Technicon Industrial Method #109-71W).

TOTAL KJELDAHL NITROGEN

An ultramicro technique was used in the analysis of Total Kjeldahl Nitrogen (TKN). This procedure is outlined in the Ultramicro Semi-Automated Method for the Simultaneous Determination of Total Phosphorus and Total Kjeldahl Nitrogen in Wastewaters (Environmental Science and Technology, October 1976). The ammonia is analysed in the range of .05 to 10.00 mg N/l using the indophenol blue method with automated spectrophotometry at the rate of 30 samples per hour. Reported as N.

STATION LOCATION DESCRIPTION

04196000 SANDUSKY RIVER NEAR BUCYRUS, OH

Lat 40°48'13", long 83°00'21", in NE 1/4 sec. 10, T. 3 S., R. 16 E., Crawford County, Hydrologic Unit 04100011, on right bank at downstream side of bridge on township road, 1 mile (2 km) upstream from unnamed left bank tributary, 1.5 mi (2.4 km) west of Bucyrus, and 12 mi (19 km) downstream from Loss Creek.

04196200 BROKEN SWORD AT NEVADA, OH

Lat 40°49'34", long 83°09'11", in sec. 32, T. 25 N., R. 15 E., Wyandot County, Hydrologic Unit 04100011, on right bank at bridge on State Highway 182, 1.2 mi (1.93 km) northwest of Nevada, 5.0 mi (8.0 km) upstream from mouth.

04196500 SANDUSKY RIVER NEAR UPPER SANDUSKY, OH

Lat 40°51'02", long 83°15'23", in sec. 21, T. 2 S., R. 14 E., Wyandot County, Hydrologic Unit 04100011, on left bank at downstream side of county road bridge, 0.7 mi (1.1 km) downstream from unnamed right bank tributary, 0.8 mi (1.3 km) upstream from Rock Run, and 2 mi (3 km) northeast of Upper Sandusky.

04196800 TYMOCHTEE CREEK AT CRAWFORD, OH

Lat 40°55'22", long 83°20'56", in SE 1/4 sec. 27, T. 1 S., R. 13 E., Wyandot County, Hydrologic Unit 04100011, on right bank at downstream side of bridge on State Highway 199 (formerly U.S. Highway 23), 0.4 mi (0.6 km) northwest of Crawford, 1.5 mi (2.4 km) downstream from Lick Run, 2.7 mi (4.3 km) upstream from Little Tymochtee Creek, and 3 mi (5 km) southeast of Carey.

04197000 SANDUSKY RIVER NEAR MEXICO, OH

Lat $41^{\circ}02'39''$, long $83^{\circ}11'42''$, in sec. 13, T.1 N., R.14 E., Seneca County, Hydrologic Unit 04100011, on right bank at downstream side of county road bridge, 4.1 mi (6.6 km) upstream from Honey Creek, 4.2 mi (6.8 km) north of Mexico, 4.9 mi (7.9 km) south of Tiffin, and 8.3 mi (13.4 km) downstream from Mile Run.

04197100 HONEY CREEK AT MELMORE, OH

Lat $41^{\circ}01'20''$, long $83^{\circ}06'35''$, Seneca County, Hydrologic Unit 04100011, at bridge on State Highways 67 and 100 at Melmore, 1.5 mi (2.4 km) upstream from Buckeye Creek.

04197450 EAST BRANCH WOLF CREEK NEAR BETTSVILLE, OH

Lat $41^{\circ}15'40''$, long $83^{\circ}11'04''$, in SW 1/4 sec. 31, T.4N., R.15E., Sandusky County, Hydrologic Unit 04100011, on right bank downstream side of bridge on Gilmore Road, 2.7 mi (4.3 km) northeast of Bettsville, 0.9 mi (1.4 km) upstream from mouth.

04197300 WEST BRANCH WOLF CREEK AT BETTSVILLE, OH

Lat $41^{\circ}14'58''$, long $83^{\circ}14'08''$, Seneca County, Hydrologic Unit 04100011, at bridge on State Highway 590 at Bettsville, 3.5 mi (5.6 km) upstream from East Branch.

04198000 SANDUSKY RIVER NEAR FREMONT, OH

Lat $41^{\circ}18'28''$, long $83^{\circ}09'32''$, in sec. 17, T.4 N., R.12 E., Sandusky County, Hydrologic Unit 04100011, on left bank at downstream side of county road bridge, 2.3 mi (3.7 km) upstream from Ballville diversion dam, 2.5 mi (4.0 km) downstream from Wolf Creek, and 3.5 mi (5.6 km) southwest of Fremont.

SANDUSKY RIVER
NEAR
BUCYRUS, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYNUS, OHIO

USGS NO. 04196000

SAMPLING TIME DATE 2470 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	SIO2 MG/L	IRON MG/L	COND 25C. UMMO
76 1 1 1800	237.3	.421	.230	2.200	.440				11.40	49.00			654.
76 1 2 1800	144.7	.531	.130	1.800	.430				101.00	45.00			490.
76 1 3 1800	578.7	.522	.070	3.600	.140				146.00	25.00			310.
76 1 4 1800	126.1	.315	.080	5.000	.140				46.90	29.00			424.
76 1 5 1800	95.6	.160	.090	4.300	.200				31.30	30.00			505.
76 1 6 600	63.0	.201	.160	3.400	.290				53.70	35.00			513.
76 1 6 2400	63.0	.110	.110	5.000	.170				135.00	38.00			411.
76 1 6 1200	64.0	.339	.210	4.000	.550				19.30	38.00			650.
76 1 7 1200	60.0	.335	.210	3.400	.550				15.00	40.00			680.
76 1 8 1200	42.8	.410	.310	2.700	1.110				14.00	50.00			754.
76 1 9 1200	34.7	.485	.380	2.400	1.240				12.30	47.00			775.
76 1 10 1200	31.2	.499	.360	2.300	1.410				9.60	46.00			798.
76 1 11 1200	34.7	.458	.380	2.100	1.470				10.00	53.00			831.
76 1 11 2400	29.6	.685	.430	2.100	1.000				15.90	81.00			990.
76 1 12 1200	27.0	.500	.330	2.100	1.470				11.00	68.00			893.
76 1 12 1800	29.1	.743	.510	4.200	.260		.870		103.00	62.00			864.
76 1 13 1800	100.4	1.297	.610	.500	2.000		3.660		92.50				
76 1 14 1800	124.8	.450	.210	2.800	.220		.705		28.20	59.00			621.
76 1 15 1800	126.1	.284	.180	2.600	.510		1.150		16.40	44.00			513.
76 1 16 1800	10.8	.324	.220	2.600	.630		1.340		8.60	55.00			636.
76 1 17 1800	57.2	.354	.180	2.600	1.000		2.100		9.10	44.00			665.
76 1 18 1800	48.2	.305	.210	2.600	.680		1.220		4.90	43.00			686.
76 1 19 1200	78.5	.435	.340	2.400	1.110		1.460		5.40	47.00			139.
76 1 20 1600	794.8	.664	.080	1.900	.390				401.00	28.00		1.40	273.
76 1 21 1800	644.1	.557	.080	2.000	.310				160.00	26.00		5.10	231.
76 1 22 2000	416.8	.460	.070	2.000	.260				185.00	25.00		4.70	223.
76 1 23 2200	405.1	.430	.080	2.100	.270				147.00	25.00		8.20	221.
76 1 24 2400	430.4	.373	.080	2.200	.270				111.00	25.00		6.50	226.
76 1 25 2000	141.5	.373	.070	2.300	.230				162.00	25.00		11.30	239.
76 1 26 400	338.5	.348	.080	2.400	.230				101.00	25.00		3.50	249.
76 1 28 600	105.0	.338	.060	2.600	.200				92.40	25.00		5.10	259.
76 1 28 800	277.0	.330	.060	2.600	.180				93.10	25.00		4.10	265.
76 1 28 1000	255.0	.310	.060	2.700	.160				87.10	26.00		2.80	279.
76 1 28 1400	213.0	.321	.070	3.000	.150				72.30	27.00		3.10	319.
76 1 28 1600	247.0	.309	.070	3.000	.180				81.00	26.00		2.90	319.
76 1 28 1800	137.0	.309	.070	3.100	.170				72.30	27.00		2.80	331.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE YR MO DY	TIME 24HR 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	1 28 2000	231.6	.287	.080	3.100	.170				69.20	27.00		4.30	343.
76	1 28 2200	218.6	.274	.060	3.100	.120				58.90	27.00		4.10	340.
76	1 28 2400	209.6	.256	.060	3.200	.170				55.70	28.00		3.50	351.
76	1 29 000	168.5	.297	.080	3.200	.190				45.50	28.00		1.40	382.
76	1 29 1600	149.6	.306	.090	3.100	.200				37.90	29.00		6.30	399.
76	1 29 2200	131.4	.298	.110	3.100	.260				30.90	28.00		1.10	421.
76	1 29 1430	153.8		.110	2.900	.370				34.10	32.00			481.
76	1 29 1630	148.2		.140	2.900	.570				28.00	35.00			500.
76	1 29 1830	142.6		.140	2.800	.540				19.60	33.00			462.
76	1 29 2030	137.0		.160	2.800	.580				29.00	36.00			490.
76	1 29 2230	130.0		.150	2.700	.570				20.70	34.00			502.
76	1 30 30	120.9		.160	2.700	.590				20.60	33.00			513.
76	1 30 230	114.4		.150	2.700	2.000				18.60	34.00			378.
76	1 30 430	110.5		.160	2.600	.600				20.70	34.00			525.
76	1 30 630	117.0		.130	2.500	.530				16.20	32.00			519.
76	1 30 830	117.0		.130	2.700	.530				20.40	34.00			536.
76	1 30 1030	102.8		.120	2.600	.520				14.40	35.00			534.
76	1 30 1230	117.0		.130	2.500	.510				24.60	34.00			543.
76	1 30 1430	99.2		.140	2.400	.500				26.70	40.00			569.
76	1 30 1630	96.8		.180	2.500	.790				14.00	50.00			619.
76	1 30 1830	93.2		.210	2.400	.810				13.10	52.00			630.
76	1 30 2030	92.0		.200	2.400	.730				12.50	57.00			667.
76	1 30 2230	92.0		.180	2.400	.720				18.40	58.00			662.
76	1 31 30	84.8		.180	2.400	.740				9.40	58.00			675.
76	1 31 230	77.8		.180	2.400	.780				19.10	54.00			656.
76	1 31 430	75.6		.180	2.400	.770				18.30	49.00			639.
76	1 31 630	71.2		.160	2.500	.750				5.00	44.00			614.
76	1 31 830	69.0		.130	2.600	.680				12.90	41.00			613.
76	1 31 1030	75.6		.120	2.600	.640				15.10	41.00			607.
76	1 31 1230	92.0		.100	2.500	.530				9.00	39.00			594.
76	1 31 1430	81.2		.130	2.500	.700				9.80	40.00			600.
76	1 31 1630	71.2		.190	2.400	1.000				7.70	41.00			622.
76	1 31 1830	67.0		.250	2.200	1.000				13.30	43.00			631.
76	1 31 2030	66.0		.300	2.200	1.000				11.10	45.00			642.
76	2 3 1200	50.0	.396	.280	3.400	.040				13.90	48.00			705.
76	2 3 1800	38.9	.529	.430	2.900	.910				2.10	40.00			712.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR RUCYRUS, OHIO

USGS NO. 04196030

SAMPLING TIME DATE 24 HRS YR MO DY 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	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMMO
76 2 3 2400	31.0	.884	.700	3.600	.610				6.10	53.00			786.
76 2 4 600	31.2	.626	.500	2.000	1.000				5.00	47.00			755.
76 2 4 1200	34.0	.517	.400	2.000	1.000				6.70	44.00			743.
76 2 4 1200	34.0	.626	.480	1.700	1.000				5.20	50.00			786.
76 2 6 1200	29.2	.777	.600	1.500	1.000				6.50	48.00			780.
76 2 7 1200	34.0	.605	.430	1.500	1.000				5.80	44.00			775.
76 2 8 1200	24.0	.685	.510	1.400	1.000				4.80	42.00			769.
76 2 9 1200	24.0	.902	.600	1.300	1.000				2.50	53.00			830.
76 2 10 600	24.0	1.040	.830	1.300	1.000				3.90	62.00			858.
76 2 10 1300	30.5	.967	.830	2.600	1.510				6.50	71.00			833.
76 2 10 1900	142.6	.875	.470	1.000	2.000				103.00	71.00			1015.
76 2 11 100	331.6	.472	.200	3.900	.080				102.00	65.00			581.
76 2 11 700	864.5	.551	.220	2.500	.130				176.00	40.00			410.
76 2 11 1200	774.0	.481	.140	2.700	.080		1.300		188.00	35.00			297.
76 2 11 1500	918.2	.422	.120	2.400	.130				248.00	33.00			298.
76 2 12 100	496.8	.319	.110	2.600	.340				169.00	33.00			315.
76 2 12 700	350.0	.254	.110	2.500	.320				100.00	31.00			339.
76 2 12 1300	265.0	.315	.130	2.800	.260		1.300		35.30	32.00			372.
76 2 12 1900	243.0	.312	.190	2.400	.580				111.00	35.00			407.
76 2 13 100	225.9	.236	.140	2.600	.300				70.50	33.00			412.
76 2 13 700	241.1	.217	.110	2.400	.330				56.50	33.00			423.
76 2 13 1300	247.0	.257	.140	2.600	.310		1.400		51.10	35.00			449.
76 2 13 1900	287.4	.272	.150	2.300	.390				57.60	37.00			452.
76 2 14 100	359.6	.244	.110	2.600	.260				74.00	33.00			428.
76 2 14 700	338.5	.227	.097	2.600	.290				72.20	30.00			408.
76 2 14 1300	349.0	.219	.110	2.700	.300		1.000		53.30	29.00			406.
76 2 14 1900	372.0	.271	.130	2.700	.650				40.60	31.00			423.
76 2 15 100	165.5	.240	.160	2.600	.440				35.40	31.00			444.
76 2 15 700	158.0	.179	.110	2.700	.380				28.30	31.00			460.
76 2 15 1300	155.2	.191	.120	2.700	.380		1.200		22.40	34.00			487.
76 2 15 1900	173.0	.248	.170	2.700	.600				23.60	36.00			513.
76 2 16 100	279.0	.216	.120	2.800	.370				20.20	33.00			492.
76 2 16 700	430.4	.223	.080	3.400	.230				63.80	31.00			461.
76 2 16 1300	468.0	.369	.110	3.600	.370		1.200		101.00	38.00			455.
76 2 16 1900	1305.0	.741	.100	3.100	.390				115.00	33.00			402.
76 2 17 100	1680.0	.995	.080	3.000	.320				441.00	28.00			344.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION L/CODE : NEAR RUCYRUS, OHIO

USGS NO. 04196000

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. URM0
76	2 17 700	2224.0	1.170	.060	2.800	.300		4.500		750.00	24.00			298.
76	2 17 1300	2658.0	1.360	.060	3.000	.060		3.700		892.00	18.00			280.
76	2 17 1900	2459.0	1.000	.060	3.000	.080		2.900		712.00	18.00			263.
76	2 18 100	1890.0	.791	.060	3.300	.050		2.100		442.00	19.00			289.
76	2 18 700	2224.0	.581	.070	3.700	.050		1.900		199.00	22.00			333.
76	2 18 1300	2658.0	.507	.090	4.000	.040		2.200		251.00	23.00			364.
76	2 18 1900	2459.0	.510	.070	3.800	.050		2.400		314.00	26.00			382.
76	2 19 100	2020.0	.490	.070	3.800	.050		1.700		270.00	25.00			374.
76	2 19 700	1242.0	.460	.070	3.600	.050		1.600		258.00	25.00			374.
76	2 19 1300	955.2	.538	.080	3.500	.060		2.200		259.00	25.00			378.
76	2 19 1900	1098.0	.487	.090	3.500	.050		1.700		196.00	25.00			391.
76	2 20 100	978.0	.383	.090	3.400	.050		1.500		152.00	25.00			408.
76	2 20 700	955.2	.315	.070	3.400	.050		1.100		126.00	25.00			420.
76	2 20 1300	705.2	.340	.120	3.400	.060		1.900		111.00	26.00			434.
76	2 20 1900	522.5	.340	.120	3.400	.080		1.200		103.00	26.00			445.
76	2 21 100	409.4	.299	.100	3.300	.070		1.100		89.50	28.00			463.
76	2 21 700	347.7	.261	.090	3.200	.080		1.100		87.20	27.00			468.
76	2 21 1300	300.6	.511	.110	2.600	.090		1.900		255.00	30.00			434.
76	2 21 1900	247.0	.529	.090	2.700	.080		2.100		290.00	27.00			413.
76	2 22 100	239.2	.612	.070	2.600	.060		2.000		384.00	23.00			355.
76	2 22 700	220.4	.460	.060	2.700	.060		1.700		346.00	22.00			346.
76	2 22 1300	351.5	.372	.070	2.700	.070		1.500		681.00	23.00			361.
76	2 22 1900	754.7	.336	.070	2.800	.080		1.400		141.00	23.00			376.
76	2 23 100	1114.0	.284	.070	2.800	.130		1.300		107.00	25.00			396.
76	2 23 700	962.6	.248	.070	2.800	.090		1.400		96.90	25.00			419.
76	2 23 1300	791.0	.337	.110	2.800	.150		1.500		77.70	27.00			452.
76	2 23 1900	399.4	.304	.120	2.800	.240		1.400		65.40	27.00			467.
76	2 24 100	419.8	.281	.110	2.800	.180		1.500		54.70	28.00			480.
76	2 24 700	331.6	.211	.090	2.800	.170		1.100		55.00	28.00			492.
76	2 24 1300	179.0	.302	.140	3.400	.080		1.100		40.80	32.00			498.
76	2 24 1900	151.7	.311	.150	3.100	.130		2.300		36.10	33.00			533.
76	2 26 100	114.4	.274	.160	2.900	.190		1.300		30.80	34.00			558.
76	2 27 1300	89.6	.282	.170	2.500	.380		1.300		24.90	35.00			584.
76	2 28 1300	74.5	.227	.120	2.200	.390		1.200		19.70	36.00			609.
76	2 29 1300	62.3	.230	.120	1.900	.440		1.700		16.10	36.00			620.
76	3 1 700	54.5	.291	.190	1.700	.690		1.400		12.30	36.00			631.

LAKF ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME DATE	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
76	1	1310	59.5	.260	.180	2.900	.120			21.10	38.00			647.
76	2	1310	62.7	.323	.240	2.600	.060			15.70	37.00			657.
76	3	1310	58.1	.264	.190	2.200	.250			15.70	43.00			670.
76	4	1310	56.1	.515	.380	2.500	.540			20.50	45.00			676.
76	5	1310	71.2	.463	.320	2.500	.170			30.70	47.00			670.
76	6	1310	279.0	.532	.120	1.700	.120			350.00	36.00			504.
76	7	1310	1110.0	.988	.110	1.900	.180			707.00	28.00			396.
76	8	1310	1545.0	.986	.080	2.000	.340			712.00	21.00			299.
76	9	1310	1770.0	.688	.080	2.300	.140			416.00	19.00			277.
76	10	1310	1494.0	.547	.080	2.400	.150			304.00	20.00			304.
76	11	1310	889.0	.559	.090	2.500	.180			286.00	21.00			330.
76	12	1310	829.5	.548	.080	2.500	.120			296.00	20.00			339.
76	13	1310	676.0	.636	.060	2.400	.110			362.00	22.00			354.
76	14	1310	440.4	.503	.070	2.500	.090			271.00	22.00			373.
76	15	1310	320.4	.451	.090	2.500	.160			205.00	23.00			393.
76	16	1310	261.0	.383	.110	2.400	.190			135.00	24.00			416.
76	17	1310	218.4	.352	.100	2.400	.190			109.00	25.00			435.
76	18	1310	188.0	.296	.080	2.400	.200			64.10	25.00			453.
76	19	1310	170.0	.289	.090	2.400	.230			72.60	26.00			474.
76	20	1310	151.0	.310	.120	2.300	.350			52.10	27.00			496.
76	21	1310	135.4	.300	.130	2.300	.380			54.80	27.00			505.
76	22	1310	122.0	.267	.110	2.300	.310			47.70	28.00			516.
76	23	1310	117.0	.358	.150	3.000	.030	.800		36.80	37.00		2.80	557.
76	24	1310	86.0	.338	.160	3.000	.030	.900		23.10	36.00		1.80	587.
76	25	1310	44.8	.530	.280	2.700	.570	1.900		25.10	41.00		1.60	588.
76	26	1310	90.4	.331	.140	2.200	.490	1.100		25.00	40.00		1.50	622.
76	27	1310	60.4	.274	.140	1.500	.560	1.100		15.40	44.00		1.10	617.
76	28	1310	233.5	.407	.050	2.100	.230	1.500		165.00	33.00		9.50	635.
76	29	1310	117.0	.269	.080	2.300	.330	1.300		57.10	33.00		3.60	475.
76	30	1310	98.0	.333	.090	2.200	.330	1.400		28.20	35.00		2.10	560.
76	31	1310	86.0	.510	.260	2.900	.220	.700		32.20	73.00			774.
76	32	1310	71.2	.441	.260	2.900	.650	.700		13.50	42.00			612.
76	33	1310	65.0	.590	.360	1.700	.960	2.500		17.20	43.00			661.
76	34	1310	101.6	.299	.180	1.400	.450	1.800		22.70	42.00			634.
76	35	1310	70.0	.393	.210	1.300	.830	1.800		27.20	37.00			612.
76	36	1310	142.0	.789	.120	1.200	.370			313.00	41.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLE NO.	DATE	TIME	LOC.	TOTAL PHOS.	ORTHOPHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KjELD	COD	SUSPEND SOLIDS	CHLORIDE	SI02	IRON	COND 25C. UMHO
MG/L				MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
76	7	21	130	147.7	.423	.140	.180		2.700		338.00	31.00			474.
76	7	21	130	143.4	.444	.140	.160				522.00	28.00			411.
76	7	21	130	137.6	.435	.130	.150		4.500		416.00	22.00			323.
76	7	22	130	144.4	.754	.170	.260	.130	2.400		289.00	22.00			337.
76	7	22	130	144.4	.584	.150	.270		2.400		169.00	22.00			363.
76	7	22	130	141.2	.444	.140	.280	.050			114.00	24.00			400.
76	7	22	130	141.4	.435	.130	.290	.070			110.00	25.00			423.
76	7	23	130	142.7	.487	.120	.270	.050			89.30	25.00			450.
76	7	23	130	144.0	.289	.090	.270	.060			72.70	26.00			469.
76	7	23	130	131.4	.297	.110	.270	.020			56.40	27.00			497.
76	7	23	130	120.9	.287	.130	.270	.010			44.60	28.00			509.
76	7	24	130	92.1	.446	.240	.240	.110			25.20	32.00			570.
76	7	25	130	76.7	.457	.250	1.730	.250			22.60	32.00			595.
76	7	26	130	67.0	.417	.280	1.000	.920			14.80	33.00			596.
76	7	27	130	67.0	.318	.170	.080	.680			9.70	34.00			603.
76	7	28	130	71.2	.259	.130	.070	.520			10.90	34.00			599.
76	7	29	130	58.1	.234	.150	.280	.550			8.30	38.00			636.
76	7	29	130	58.1	.518	.350	.950	1.000			14.30	38.00			649.
76	7	30	130	49.1	.774	.320	.900	.960			13.40	38.00			634.
76	7	31	130	43.4	.714	.450	.750	1.000			23.50	39.00			644.
76	7	31	130	49.1	.500	.300	.400	.920			15.60	38.00			650.
76	7	32	130	41.8	.404	.160	1.050	1.000			36.50	36.00			622.
76	7	33	130	48.7	.301	.160	1.200	.490			17.70	37.00			611.
76	7	34	130	115.3	.255	.150	1.350	.580			15.40	33.00			586.
76	7	35	130	75.6	.254	.160	1.200	.630			14.00	34.00			615.
76	7	36	130	61.7	.622	.400	1.300	1.010			19.50	36.00			618.
76	7	37	130	55.4	.596	.380	1.000	1.120			17.50	35.00			632.
76	7	38	130	43.7	.526	.360	.830	1.530			12.80	34.00			629.
76	7	39	130	47.1	.585	.400	.600	1.680			8.60	36.00			658.
76	7	40	130	20.1	.554	.380	.400	1.080			7.60	37.00			657.
76	7	41	130	40.6	.504	.340	.400	1.690			14.40	36.00			652.
76	7	42	130	30.6	.434	.160	.400	1.080			28.20	36.00			644.
76	7	43	130	29.1	.375	.230	.400	1.360			19.50	37.00			686.
76	7	44	130	27.7	.436	.630	3.730	.120			13.70	41.00			681.
76	7	45	130	25.7	.403	.660	3.430	.020			9.90	44.00			700.
76	7	46	130	25.7	.434	.680	3.530	.070			11.30	43.00			700.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

RIVER : SANDUSKY RIVER

LOCATION WADCOE : NEAR PUCYRUS, OHIO

USGS NO. 04196000

SAMPLING TIME DATE WADCOE NO.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
74 4 14 1900	24.4	.931	.731	3.600	.160				12.00	45.00			726.
74 4 16 1900	25.0	.826	.647	2.100	2.000				11.40	43.00			723.
74 4 17 1900	22.0	.847	.640	.600	2.000				10.00	44.00			763.
74 4 18 1900	21.4	.767	.610	.200	2.000				11.30	44.00			733.
74 4 19 1900	21.6	.916	.700	.100	2.000				12.90	46.00			782.
74 4 19 1900	17.6	1.140	.930	4.300	.110				13.60	45.00			768.
74 4 20 1900	21.0	1.020	.741	2.800	.070				10.40	44.00			745.
74 4 21 1900	29.4	.998	.601	.700	2.000				24.30	42.00			638.
74 4 22 1900	34.0	.529	.350	2.000	.230				9.10	43.00			731.
74 4 23 1900	17.4	.625	.420	.800	2.000				9.40	45.00			752.
74 4 24 1900	15.6	.796	.560	.500	2.000				8.70	46.00			744.
74 4 25 1900	27.7	.990	.561	.500	2.000				13.10	51.00			725.
74 4 26 1900	30.7	.741	.410	.500	2.000				15.40	48.00			770.
74 4 27 1900	19.2	.783	.600	1.100	2.000				10.70	54.00		.70	754.
74 4 28 1900	19.2	.747	.790	1.150	2.000				6.90	54.00		.90	764.
74 4 29 1900	12.0	.727	.810	1.150	2.000				11.10	58.00		.60	804.
74 4 30 1900	10.0	.955	.850	.900	2.000				10.30	56.00		.70	810.
74 5 1 1900	10.0	.929	.810	.600	2.000				8.10	54.00		.90	811.
74 5 2 1900	15.7	.787	.550	.500	2.000				9.20	52.00		.80	781.
74 5 3 1900	11.8	1.047	.960	.500	2.000				8.00	48.00		.70	725.
74 5 4 1445	11.4	2.000	.947	5.600	2.000				9.70	63.00			797.
74 5 5 1445	11.4	.850	.726	4.500	2.000				6.60	59.00			792.
74 5 6 1445	9.4	.810	.750	2.500	2.000				10.00	69.00			860.
74 5 7 1445	8.0	.740	.694	1.000	2.000				12.10	63.00			840.
74 5 8 1445	14.0	.594	.594	.900	2.000				13.70	61.00			749.
74 5 9 1445	13.0	.550	.550	.800	2.000				11.30	59.00			794.
74 5 10 1445	11.0	.577	.577	.700	2.000				7.30	60.00			805.
74 5 11 1445	7.4	1.070	.970	.500	2.000				7.80	62.00			831.
74 5 12 1900	11.0	1.860	1.550	9.000					7.70	66.00			821.
74 5 13 1900	6.7	1.910	1.570	4.700	1.600				8.30	65.00			756.
74 5 14 1900	6.4	1.630	1.230	3.200	1.900				8.80	70.00			839.
74 5 15 1900	5.0	1.260	.990	2.500	2.100				6.10	75.00			878.
74 5 16 1900	5.0	1.300	1.020	1.300	2.650				7.50	75.00			902.
74 5 17 1900	6.1	1.560	1.250	.600	3.200				8.60	69.00			919.
74 5 18 1900	6.4	1.250	.950	.400	2.600				8.40	60.00			784.
74 5 19 1900	9.0	1.970	1.510	.300	2.990				8.80	63.00			842.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYRUS, OHIO

USGS NO. 04196000

SAMPLE TIME DATE 24:0 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NO-3 MG/L	ORG. NIT. MG/L	TOTAL NIT. MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SIG2 MG/L	IRON MG/L	COND 25C. UMHO
74 5 17 1900	15.0	1.820	1.520		.210				6.00	62.00			766.
74 5 18 1900	21.4	.582	.400		.030				2.90	52.00			739.
74 5 19 1900	15.0	.584	.440		.360				3.30	59.00			779.
74 5 20 1900	12.0	.679	.430		1.280				2.60	59.00			782.
74 5 21 1900	11.1	.670	.430		2.000				1.40	74.00			843.
74 5 22 1900	9.0	.430	.250		2.000				.50	68.00			815.
74 5 23 1900	7.4	.397	.210		2.000				.50	68.00			829.
74 5 24 1900	7.0	.394	.222		2.000				.40	69.00			862.
74 6 7 1900	14.6	1.130	.890	11.300	.060				10.00	56.00			810.
74 6 8 1900	14.6	2.000	2.000	10.900	.040				12.50	57.00			816.
74 6 8 1900	13.0	1.840	.510	8.400	.050				14.80	56.00			797.
74 6 8 1900	14.2	.630	.620	8.600	.060				14.80	58.00			784.
74 6 8 1900	12.6	.760	.610	8.500	.060				7.70	57.00			809.
74 6 9 1900	12.6	2.000	2.000	8.400	.070				13.10	57.00			813.
74 6 9 1900	11.0	.727	.530	7.200	.070				16.10	59.00			806.
74 6 9 1900	12.6	.349	.240	6.500	.060				13.40	58.00			806.
74 6 10 1900	10.0	.310	.220	7.300	.060				9.20	64.00			831.
74 6 11 1900	6.7	.300	1.800	4.300	.070				10.70	65.00			835.
74 6 11 1900	6.7	.300	2.300	4.200	.070				49.70	70.00			854.
74 6 11 1900	6.7	.494	.630	6.500	.060				56.50	65.00			938.
74 6 11 1900	6.4	.474	.330	7.700	.070				19.60	69.00			852.
74 6 11 1900	4.7	.546	.370	6.200	2.000				20.20	67.00			849.
74 6 12 1900	3.9	.694	.520	5.900	2.000				12.60	70.00			861.
74 6 13 1900	3.3	1.260	.900	.800	2.000				12.10	62.00			802.
74 6 14 1900	1.5	1.100	.760	.400	2.000				7.20	66.00			865.
74 6 14 1900	1.7	.398							6.00				830.
74 6 15 1900	7.4	.384							4.10				758.
74 6 16 1900	13.8	.420	.420	6.800	.030				4.00	61.00			575.
74 6 17 1900	10.0	.970	.970	2.700	2.000				6.80	50.00			731.
74 6 18 1900	10.0	.860	.860	4.000	.080				3.90	55.00			792.
74 6 19 1900	22.0	.640	.640		2.000				113.00	38.00			506.
74 6 20 1900	270.0	.420	.250		.690				325.00	43.00			610.
74 6 21 1900	241.0	.435	.230		.210				824.00	35.00			561.
74 6 21 1900	150.0	.390	.170	6.700	.310				204.00	29.00			498.
74 6 21 1900	214.0	.380		14.900					72.80				595.
74 6 21 1900	112.4	.38		15.800					36.50				618.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYRUS, OHIO

USGS NO. 04196000

CAMP/DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NO-3 MG/L	ORG. NIT. MG/L	TOTAL NITROGEN MG/L	COO MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	S102 MG/L	IRON MG/L	COND 25C. UMMO
75	6 20 700	111.4	.374		17.600					92.60				631.
75	6 20 1300	49.6	.377	.20	17.400	.370				55.90	36.00			660.
75	6 20 1900	71.0	.461	.280	20.000					40.00	39.00			674.
75	6 21 100	98.1	.454	.240	20.000	.010				47.00	40.00			682.
75	6 22 700	49.1	.503	.160	19.800	.010				48.60	39.00			684.
75	6 22 1300	43.7	.621	.290	18.600	.030				55.00	43.00			706.
75	6 22 1900	19.2	.500	.410	18.200	.070				27.30	43.00			712.
75	6 23 100	33.7	.670	.070	18.000	.010				34.80	46.00			726.
75	6 23 700	27.7	.464	.140	17.400	.010				31.70	44.00			721.
75	6 23 1300	14.0	.547	.540	16.100	.010				26.90	48.00			740.
75	6 23 1900	23.4	1.230	1.230	16.600	.010				21.20	47.00			742.
75	6 24 100	21.0	.357	.280	16.100	.050				24.00	46.00			744.
75	6 24 700	25.2	.420	.420	14.400	.010				29.80	47.00			735.
75	6 24 1300	49.2	.620	.620	8.700	1.300				53.80	40.00			597.
75	6 24 1900	65.0	.500	.500	1.700	1.710				47.30	43.00			522.
75	6 25 100	47.7	.323	.200	8.600	.450				30.70	43.00			627.
75	6 25 700	167.0	.321	.240	11.200	.100				179.00	38.00			671.
75	6 25 1300	222.4	.346	.280	10.900	.070				192.00	39.00			656.
75	6 25 1900	159.5	.324	.260	14.000	.170				148.00	36.00			600.
75	6 26 100	119.6	.324	.170	16.600	.250				117.00	39.00			641.
75	6 26 700	88.4	.383	.180	17.600	.170				86.50	39.00			655.
75	6 26 1300	70.1	.393	.390	17.400	.350				74.30	40.00			671.
75	6 26 1900	56.3	.480	.480	17.200	.750				52.00	42.00			686.
75	6 27 100	46.4	.421	.160	16.600	.710				41.50	43.00			695.
75	6 27 700	38.0	.409	.190	16.100	.580				45.10	41.00			688.
75	6 27 1300	14.7	.441	.350	10.700	.740				35.70	43.00			705.
75	6 27 1900	25.0	.500	.500	14.400	1.000				26.70	44.00			711.
75	6 28 100	25.0	.550	.550	14.100	1.950				24.20	45.00			733.
75	6 28 700	21.0	.780	.780	13.400	1.430				55.40	43.00			722.
75	6 28 1300	34.0	.780	.780	10.500	1.640				33.30	45.00			685.
75	6 28 1900	21.0	1.260	1.060	12.200	2.000				18.10	49.00			661.
75	6 29 100	23.0	.630	.630	11.300	.060				17.80	49.00			728.
75	6 29 1900	50.0	.690	.700	8.000	.250				22.00	47.00			688.
75	7 1 100	20.0	.616	.440	7.100	.470				24.00	48.00			709.
75	7 1 1900	20.4	.617	.500	6.500	.620				14.70	54.00			757.
75	7 2 1900	15.0	.314	.240	4.800	1.240				14.30	52.00			733.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR CUYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	7	4	1900	12.6	.574	.440	5.000	1.840		13.70	53.00			768.
76	7	4	1900	10.6	1.090	.480	5.800	2.000		23.80	52.00			765.
76	7	4	1900	10.6	1.610	1.040	7.900	.020		10.70	56.00		.50	778.
76	7	6	1900	9.4	1.780	1.420	7.400	.030		14.10	55.00		.60	775.
76	7	6	1900	7.4	2.000	1.640	6.300	.020		25.30	55.00			783.
76	7	6	1900	9.8	1.030	.780	5.300	.020		14.10	55.00		.60	776.
76	7	6	1900	9.0	1.060	.810	6.700	.030		12.20	61.00		.40	812.
76	7	7	1900	64.0	1.120	.420	1.800	.030		222.00	34.00		5.00	428.
76	7	7	1900	13.4	1.010	.730	5.000	.020		64.60	47.00		1.90	577.
76	7	7	1900	15.0	.689	.640	4.600	.020		30.10	55.00		1.00	656.
76	7	7	1900	11.0	.750	.750	3.900	.020		23.10	50.00		.60	685.
76	7	8	1900	8.0	2.000	2.000	4.800	.070		19.90	61.00		.70	787.
76	7	8	1900	443.9	.933	.180	3.300	.130		163.00	22.00		24.00	370.
76	7	8	1900	751.4	1.180	.170	4.300	.080		910.00	26.00		24.00	429.
76	7	8	1900	1154.0	1.010	.140	4.100	.070		661.00	18.00		20.00	299.
76	7	9	1900	1186.0	.699	.140	5.900	.080		36.60	16.00		14.00	294.
76	7	9	1900	605.5	.510	.130	6.200	.060		224.00	18.00		10.00	333.
76	7	9	1900	374.0	.454	.150	6.300	.190		153.00	19.00		8.00	363.
76	7	9	1900	243.0	.433	.180	6.600	.080		137.00	22.00		6.00	404.
76	7	10	1900	179.0	.370	.160	6.300	.110		11.80	23.00		5.00	438.
76	7	10	1900	142.6	.594	.230	6.300	.300		106.00	25.00		5.00	464.
76	7	10	1900	119.3	.397	.190	5.900	.190		78.60	26.00		4.00	486.
76	7	11	1900	98.0	.415	.250	5.600	.150		72.50	27.00		4.00	503.
76	7	11	1900	82.4	.317	.180	5.200	.140		55.90	28.00		4.00	519.
76	7	11	1900	69.0	.201	.160	5.100	.130		58.50	29.00		3.50	527.
76	7	11	1900	61.0	.344	.210	4.800	.170		48.90	30.00		3.00	544.
76	7	11	1900	53.0	.410	.290	4.700	.220		36.00	30.00		2.00	554.
76	7	12	1900	47.0	.495	.370	4.500	.270		31.80	31.00		2.00	567.
76	7	12	1900	40.0	.430	.350	4.300	.210		62.00	31.00		2.50	574.
76	7	12	1900	41.0	.545	.380	4.300	.180		38.60	33.00		3.00	590.
76	7	12	1900	34.0	.714	.590	5.400	.020		27.60	38.00			607.
76	7	13	1900	27.7	.470	.580	4.400	.060		36.50	38.00			615.
76	7	13	1900	25.2	.595	.510	5.300	.520		27.10	40.00			636.
76	7	14	1900	19.8	.786	.680	4.400			29.10	41.00			642.
76	7	14	1900	18.6	.458	.390	5.100	.060		22.20	44.00			669.
76	7	15	1900	14.6	.838	.690	4.700			19.70	52.00			696.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYRUS, OHIO

USGS NO. 0419600

SAMPLE TIME DATE 24 0 VP MO BY MES.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NH-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 21 700	111.8	.375		17.600					92.60				631.
76 6 21 1500	89.6	.377	.20	19.400	.370				55.90	36.00			660.
76 6 21 1900	71.2	.461	.280	20.000					80.00	39.00			674.
76 6 22 100	58.1	.454	.240	20.000	.010				47.00	40.00			682.
76 6 22 700	49.1	.503	.160	19.800	.010				48.60	39.00			684.
76 6 22 1300	43.7	.621	.290	18.600	.030				55.00	43.00			706.
76 6 22 1900	38.2	.500	.410	18.200	.070				27.30	43.00			712.
76 6 23 100	33.3	.670	.670	18.000	.010				34.80	46.00			726.
76 6 23 700	27.7	.460	.140	17.400	.010				31.70	44.00			721.
76 6 23 1300	34.0	.540	.540	16.100	.010				26.90	48.00			740.
76 6 23 1900	23.4	1.230	1.230	16.600	.010				21.20	47.00			742.
76 6 24 100	21.0	.357	.280	16.100	.050				24.00	46.00			744.
76 6 24 700	25.2	.420	.420	14.400	.010				29.80	47.00			735.
76 6 24 1300	48.2	.620	.620	8.700	1.300				53.80	40.00			597.
76 6 24 1900	65.0	.500	.500	1.700	1.710				97.30	43.00			522.
76 6 25 100	47.3	.323	.200	8.600	.450				30.70	43.00			627.
76 6 25 700	167.0	.321	.240	10.200	.100				179.00	38.00			671.
76 6 25 1300	202.4	.346	.280	12.000	.070				192.00	39.00			656.
76 6 25 1900	159.5	.324	.260	14.000	.170				148.00	36.00			600.
76 6 26 100	119.6	.328	.170	16.600	.250				117.00	39.00			641.
76 6 26 700	88.4	.383	.180	17.600	.170				86.50	39.00			655.
76 6 26 1300	70.1	.393	.390	17.400	.350				74.30	40.00			671.
76 6 26 1900	56.3	.480	.480	17.200	.750				52.00	42.00			686.
76 6 27 100	46.4	.421	.160	16.600	.710				41.50	43.00			695.
76 6 27 700	38.2	.409	.190	16.100	.380				45.10	41.00			688.
76 6 27 1300	34.7	.443	.350	15.700	.740				35.70	43.00			705.
76 6 27 1900	22.0	.590	.590	14.800	1.000				26.70	44.00			711.
76 6 28 100	25.0	.550	.550	14.100	1.950				24.20	45.00			730.
76 6 28 700	21.6	.780	.780	13.400	1.430				35.40	43.00			722.
76 6 28 1300	34.0	.780	.780	10.500	1.640				33.30	45.00			685.
76 6 28 1900	21.0	1.200	1.060	10.200	2.000				18.10	49.00			661.
76 6 29 1900	23.4	.890	.630	11.300	.360				17.80	49.00			728.
76 6 30 1900	30.0	.890	.700	8.000	.250				22.00	47.00			688.
76 7 1 1900	20.0	.816	.640	7.100	.470				24.00	48.00			709.
76 7 2 1900	20.4	.617	.500	6.500	.620				14.70	54.00			757.
76 7 3 1900	15.0	.314	.240	4.800	1.240				14.30	52.00			730.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYPUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOC. PHOS.	NO-2	NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPENDED SOLIDS	CHLORIDE	SIO2	IRON	COND. 25C. UMHO
YR MO DAY	HRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
76	7	4	1900	12.6	.574	.440	3.000	1.840			13.70	53.00			768.
76	7	4	1900	10.6	1.090	.880	2.800	2.000			23.80	52.00			765.
76	7	4	1900	10.2	1.610	1.040	7.900	.020			10.70	56.00		.50	778.
76	7	6	1900	9.4	1.780	1.420	7.400	.030			14.10	55.00		.60	775.
76	7	6	1900	7.4	2.000	1.640	6.300	.020			25.30	55.00			783.
76	7	6	1900	9.8	1.030	.780	5.300	.020			14.10	55.00		.60	776.
76	7	6	1900	9.0	1.060	.810	6.700	.030			12.20	61.00		.40	812.
76	7	7	1900	64.0	1.120	.420	1.800	.030			222.00	34.00		5.00	428.
76	7	7	1900	13.4	1.010	.730	5.000	.020			64.60	47.00		1.90	577.
76	7	7	1900	15.0	.689	.640	4.600	.020			30.10	55.00		1.00	656.
76	7	7	1900	11.0	.750	.750	3.900	.020			23.10	50.00		.60	685.
76	7	8	1900	8.0	2.000	2.000	4.800	.070			19.90	61.00		.70	787.
76	7	8	1900	443.9	.933	.180	3.300	.130			163.00	22.00		24.00	370.
76	7	8	1900	751.4	1.180	.170	4.300	.080			910.00	26.00		24.00	429.
76	7	8	1900	1154.0	1.010	.140	4.100	.070			661.00	18.00		20.00	299.
76	7	9	1900	1186.0	.699	.140	5.900	.080			36.60	16.00		14.00	294.
76	7	9	1900	645.5	.510	.130	6.200	.060			224.00	18.00		10.00	333.
76	7	9	1900	374.0	.454	.150	4.300	.100			153.00	19.00		8.00	363.
76	7	9	1900	243.0	.433	.140	5.600	.080			137.00	22.00		6.90	404.
76	7	10	1900	179.0	.370	.160	6.300	.110			11.80	23.00		5.00	438.
76	7	10	1900	142.6	.594	.230	6.300	.330			106.00	25.00		5.00	464.
76	7	10	1900	118.3	.397	.190	5.900	.190			78.60	26.00		4.00	486.
76	7	10	1900	98.0	.415	.250	5.600	.150			72.50	27.00		4.00	503.
76	7	11	1900	82.4	.317	.180	5.200	.140			55.90	28.00		4.00	519.
76	7	11	1900	69.9	.301	.160	5.100	.130			58.50	29.00		3.50	527.
76	7	11	1900	61.0	.344	.210	4.800	.170			48.90	30.00		3.00	544.
76	7	11	1900	53.6	.410	.290	4.700	.220			36.00	30.00		2.00	554.
76	7	12	1900	47.3	.495	.370	4.500	.270			31.80	31.00		2.00	567.
76	7	12	1900	40.3	.480	.350	4.300	.210			62.00	31.00		2.50	574.
76	7	12	1900	41.0	.543	.380	4.300	.180			38.60	33.00		3.00	590.
76	7	12	1900	34.0	.714	.590	4.400	.020			27.60	38.00			607.
76	7	12	1900	27.7	.470	.380	4.400	.060			36.50	38.00			615.
76	7	13	1900	25.2	.595	.510	5.300	.520			27.10	40.00			636.
76	7	14	1900	19.8	.786	.680	4.400				29.10	41.00			642.
76	7	14	1900	18.6	.458	.390	5.100	.060			22.20	44.00			669.
76	7	15	1900	14.6	.838	.690	4.700				19.70	52.00			696.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

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 7 15 1900	14.6	.637	.530	5.200					93.40	51.00			706.
76 7 16 700	12.6	1.250	.840	3.700	.020				20.90	40.00			691.
76 7 16 1900	33.3	.766	.520	1.100	1.000				98.80	38.00			493.
76 7 17 700	40.3	.530	.420	2.500	.240				29.00	37.00			644.
76 7 17 1900	25.2	.831	.690	3.100	.650				37.50	41.00			626.
76 7 18 700	18.0	.686	.590	2.900	.750				36.70	45.00			650.
76 7 18 1900	14.2	1.000	.830	4.000	.360				24.60	48.00			650.
76 7 19 700	11.8	1.190	.950	4.100	1.080				29.90	42.00			598.
76 7 19 1300	13.0	1.380	1.130	5.100	.500				31.20	45.00			623.
76 7 19 1500	12.2	1.530	1.220	5.400	.380				31.80	47.00			643.
76 7 19 1700	11.0	1.550	1.250	5.500	.390				28.90	50.00			671.
76 7 19 1900	8.6	1.490	1.220	5.300	.720				26.80	50.00			680.
76 7 19 2100	7.4	1.670	1.340	4.900	1.300				19.50	51.00			690.
76 7 19 2300	6.1	1.850	1.510	4.600	1.830				23.00	52.00			708.
76 7 20 100	5.6	2.000	1.770	3.900	2.000				24.50	54.00			726.
76 7 20 300	5.0	2.000	2.000	3.200	2.000				25.10	55.00			745.
76 7 19 500	3.9	2.000	2.000	2.600	2.000				23.40	58.00			768.
76 7 20 700	3.7	2.000	2.000	2.100	2.000				22.10	60.00			778.
76 7 20 900	3.9	2.000	2.000	2.000	2.000				21.20	61.00			781.
76 7 20 1100	4.7	2.000	2.000	2.000	2.000				17.70	60.00			769.
76 7 20 1300	5.3	2.000	2.000	2.400	2.000				15.20	60.00			761.
76 7 20 1500	5.0	2.000	1.760	2.900	1.260				12.30	62.00			765.
76 7 20 1700	5.0	2.000	1.660	3.600	1.250				13.10	64.00			779.
76 7 20 1900	4.4	2.000	1.670	4.000	1.270				12.40	64.00			784.
76 7 20 2100	4.4	2.000	1.740	4.300	1.840				14.20	64.00			784.
76 7 20 2300	4.1	2.000	1.860	4.100	2.000				15.10	64.00			789.
76 7 21 100	3.9	2.000	2.000	3.300	2.000				15.00	64.00			790.
76 7 21 300	3.5	2.000	2.000	2.300	2.000				13.30	66.00			807.
76 7 21 500	3.1	2.000	2.000	1.600	2.000				12.30	67.00			823.
76 7 21 700	2.6	2.000	2.000	1.200	2.000				10.30	70.00			834.
76 7 21 900	2.8	2.000	2.000	1.000	2.000				13.20	71.00			845.
76 7 21 1100	3.0	2.160	1.550	2.500	2.000		2.400		20.70	75.00			824.
76 7 21 1300	4.1	2.830	1.820	2.900	2.000		2.800		21.90	78.00			815.
76 7 21 1500	4.4	2.740	1.840	2.200	2.000		1.500		20.50	81.00			817.
76 7 21 1700	4.1	2.510	1.330	.600	2.000		1.100		22.50	52.00			822.
76 7 21 1900	3.9	2.270	1.240	.600	1.950		.800		24.00	49.00			829.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 7 21 2100	3.9	2.170	1.370	.600	2.000		.700		27.30	52.00			823.
76 7 21 2300	3.7	2.110	1.400	.600	2.000		.300		26.00	54.00			811.
76 7 22 100	3.5	2.340	2.000	.700	2.000		.300		26.80	48.00			808.
76 7 22 300	3.3	2.990	2.000	.900	1.040		.200		27.40	44.00			819.
76 7 22 500	2.6	3.460					.400		23.60				837.
76 7 22 700	2.6	3.860					.900		25.50				846.
76 7 22 900	2.6	4.120					1.400		34.70				856.
76 7 22 1100	3.5	3.910	1.800	1.600	2.000		2.000		33.90	72.00			852.
76 7 22 1300	4.1	3.220	1.840	1.600	2.000		2.300		21.80	69.00			832.
76 7 22 1500	4.1	2.710	1.780	1.800	2.000		1.600		18.50	70.00			825.
76 7 22 1700	3.9	2.500	1.670	2.500	2.000		1.100		17.50	72.00			829.
76 7 22 1900	3.7	2.280	1.540	3.000	1.920		.700		23.80	71.00			838.
76 7 22 2100	5.0	2.250	1.450	3.400	1.770		.500		18.90	71.00			876.
76 7 22 2300	19.8	2.970	1.470	3.400	2.000		.700		36.10	70.00		.30	877.
76 7 23 100	24.0	2.120	1.590	3.000	2.000		.300		42.20	70.00			610.
76 7 23 300	12.6	2.000	2.000	2.400	2.000		.300		36.00	72.00			555.
76 7 23 500	9.0	2.090	2.000	1.600	2.000		.500		27.70	71.00			573.
76 7 23 700	10.2	2.090	2.000	1.200	2.000				23.80	72.00			574.
76 7 23 1100	30.5	2.000	2.000	.800	2.000				29.10	73.00		.20	478.
76 7 23 1300	39.6	.436	.360	2.300	.020				35.20	40.00			471.
76 7 23 1600	46.4	.436	.330	1.600	.180				39.40	39.00			560.
76 7 23 1900	76.7	.456	.370	1.900	.040				62.10	39.00			584.
76 7 23 2200	138.4	.618	.310	1.600	.040				225.00	35.00			580.
76 7 24 100	162.5	.582	.260	1.600	.010				263.00	38.00			563.
76 7 24 400	148.2	.499	.290	1.900	.020				197.00	35.00			541.
76 7 24 700	412.0	.676	.220	1.800	.110				484.00	28.00			384.
76 7 24 1000	343.1	.658	.290	2.200	.050				379.00	28.00			410.
76 7 24 1300	309.4	.565	.220	2.000	.090				311.00	24.00			394.
76 7 24 1600	427.7	.597	.260	2.500	.020				313.00	24.00			396.
76 7 24 1900	598.0	.882	.210	2.300	.010				582.00	21.00			352.
76 7 24 2200	433.8	.721	.220	2.000	.020				493.00	21.00			329.
76 7 25 100	414.6	.600	.200	2.100	.020				351.00	19.00			308.
76 7 25 400	302.8	.527	.200	2.300					257.00	18.00			317.
76 7 25 700	229.7	.461	.210	2.400	.020				219.00	19.00			339.
76 7 25 1000	180.5	.471	.210	2.400					169.00	21.00			363.
76 7 25 1300	149.6	.424	.230	2.400	.050				155.00	22.00			377.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	HR	CFS	PHOS.	PHOS.	NO-3	MG/L	NIT.	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	25C.
			MG/L	MG/L	MG/L		MG/L	MG/L		MG/L	MG/L			UMHO
74	7	25	1600	127.4	.484	.280	2.500	.200		124.00	23.00			397.
74	7	25	1900	111.8	.464	.280	2.500	.230		111.00	24.00			407.
74	7	25	2200	98.0	.466	.290	2.500	.200		96.70	25.00			421.
74	7	26	100	88.4	.497	.290	2.600	.090		82.30	26.00			432.
74	7	26	400	77.8	.560	.283	2.400	.040		70.00	26.00			435.
74	7	26	700	70.1	.434	.290	2.500	.040		78.50	28.00			453.
74	7	26	1000	65.0	.434	.390	2.600	.040		77.00	29.00			469.
74	7	26	1300	61.2	.436	.350	2.600	.060		64.10	31.00			488.
74	7	26	1900	50.9	.655	.550	4.100	.020		25.60	31.00			495.
74	7	27	700	60.0	.627	.520	3.000	.020		31.20	32.00			514.
74	7	27	1900	34.0	.682	.580	4.100	.040		17.20	33.00			525.
74	7	28	700	27.7	.588	.510	3.000	.040		23.40	39.00			569.
74	7	28	1700	34.0	.707	.600	4.300	.040		21.40	42.00			594.
74	7	29	700	25.8	.724	.600	3.100	.020		12.00	37.00			586.
74	7	29	1900	33.3	1.110	.880	2.300	1.320		25.60	40.00			576.
74	7	30	700	19.2	.887	.710	2.800	.470		13.50	38.00			556.
74	7	30	1900	14.6	.879	.730	4.100	.700		11.20	44.00			646.
74	7	31	700	15.6	.863	.720	2.300	.750		20.10	45.00			660.
74	7	31	1900	14.0	.830	.690	3.200	.460		22.80	45.00			682.
74	8	1	700	13.0	.993	.820	2.100	.830		14.40	44.00			669.
74	8	1	1900	12.6	.974	.810	3.300	.310		15.60	46.00			687.
74	8	2	700	11.0	1.240	1.040	3.700	1.320		19.70	47.00			699.
74	8	2	1300	12.6	1.450	1.000	4.300	.670		33.00	49.00			711.
74	8	2	1900	8.2	1.630	1.270	5.600	.050		29.60	74.00			758.
74	8	3	700	3.5	1.340	2.000	10.500	.060		24.10	74.00			773.
74	8	3	1900	4.7	2.320	1.730	4.300	.060		8.90	79.00			787.
74	8	4	700	2.6	1.970	2.000	9.300	1.590		16.30	77.00			796.
74	8	4	1900	3.7	2.320	1.590	8.300	.050		19.40	78.00			793.
74	8	5	700	2.2	4.750	2.000	5.100	2.000		26.60	83.00			849.
74	8	6	100	3.1	2.940	1.890	5.800	2.000		19.90	86.00			861.
74	8	6	1300	6.4	2.610	1.800	2.700	2.000		7.90	88.00			806.
74	8	6	1900	6.1	2.100	1.430	2.300			10.00	69.00			722.
74	8	7	700	11.8	3.630	2.080	.800			46.80	68.00			690.
74	8	7	1900	88.4	1.090	.560	1.400			59.60	40.00			509.
74	8	8	700	107.4	.547	.430	1.500			60.80	44.00			543.
74	8	8	1900	65.0	.735	.670	2.500			36.70	51.00			633.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

WATER BODY BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLE NO.	TIME	FLOW	TOTAL	ORTHOPHOS.	NO-2	NO-3	ORG.	TOTAL	COD	SUSPEND	CHLOR	SIG	IRON	COND
DATE	24 H	CFS	PHOS.	PHOS.	NO-3	NO-3	NIT.	NITRO	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
76	7	700	41.3	.684	.647	1.980				27.90	40.00			593.
76	8	1300	34.7	.624	.580	2.000				21.40	46.00			564.
76	8	1000	29.1	1.180	.980	6.000	.010			27.80	45.00			581.
76	8	700	19.8	.820	.720	3.000	.040			23.90	48.00			590.
76	8	1000	17.4	.780	.630	5.700	.020			20.20	53.00			649.
76	8	700	12.2	1.000	.820	3.900	.140			29.70	59.00			600.
76	8	1000	11.0	1.050	.830	5.400	.010			19.50	64.00			707.
76	8	700	8.6	1.540	1.180	5.200	.010			27.30	63.00			709.
76	8	1200	8.6	.769	.540	6.300	.050			19.20	64.00			725.
76	8	1300	18.0	1.210	.970	3.200	1.050			20.70	54.00			579.
76	8	1300	11.0	.850	.690	2.100	1.100			15.90	61.00			616.
76	8	700	51.4	.371	.280	1.400	.240			33.40	46.00			621.
76	8	1400	100.5	.615	.250	1.300	.070			142.00	46.00			603.
76	8	1400	425.0	.931	.230	1.400	.070			455.00	18.00			253.
76	8	1500	195.2	.570	.220	1.500	.130			217.00	20.00			299.
76	8	1500	122.2	.472	.230	1.600	.160			142.00	13.00			348.
76	8	1500	99.6	.472	.270	1.800	.360			88.40	29.00			408.
76	8	1500	75.6	.467	.320	1.800	.550			76.10	31.00			433.
76	8	100	94.4	.472	.350	1.700	.460			83.90	32.00			459.
76	8	700	117.0	.460	.330	1.700	.260			75.70	33.00			467.
76	8	1300	87.2	.520	.400	1.800	.290			65.20	34.00			483.
76	8	1600	71.2	.796	.650	2.400	.060			63.70	37.00			489.
76	8	1700	36.1	.969	.790	3.100	.060			37.80	41.00			532.
76	8	1800	24.0	1.070	.790	4.500	.050			23.40	47.00			591.
76	8	1900	17.4	.834	.590	5.000	.090			22.80	52.00			633.
76	8	2000	10.2	.743	.510	5.200	.220			22.20	51.00			640.
76	8	2100	13.0	.523	.380	3.700	2.000			5.10	53.00			669.
76	8	2200	10.6	.329	.270	2.500	2.000			18.70	52.00			675.
76	8	2300	11.4	1.200	.81	1.800	2.000			41.00	50.00			686.
76	8	2400	9.4	2.000	1.79	2.700	2.000			26.20	59.00			720.
76	8	2400	11.0	2.000	2.000	1.100	2.000			20.20	61.00			746.
76	8	2400	3.1	2.000	2.000	.700	2.000			27.40	65.00			762.
76	8	2400	3.7	2.000	2.000	.700	2.000			27.10	67.00			757.
76	8	2400	2.8	2.000	2.000	1.000	2.000			14.70	76.00			807.
76	8	2500	2.4	2.000	2.000	.800	2.000			16.50	79.00			844.
76	8	2500	1.3	2.000	2.000	.500	2.000			14.30	79.00			879.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYRUS, OHIO

USGS NO. 04196000

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 9 1 1900	6.4	.780	.780	2.550	2.300				10.30	89.50			766.
76 9 2 100	4.1	3.420	3.420	2.950	4.660				9.50	92.50			785.
76 9 2 700	1.9	5.610	5.550	2.100	7.390				12.00	112.00			851.
76 9 2 1300	2.8	4.400	4.260	1.750	7.350				9.80	123.00			880.
76 9 2 1900	2.4	1.830	1.830	1.450	8.660				6.80	135.00			895.
76 9 3 100	3.9	2.060	2.060	1.350	10.000				7.80	135.00			914.
76 9 3 700	4.4	6.510	6.170	.950	10.000				12.60	117.00			910.
76 9 3 1300	6.4	1.650	1.650	.800	5.430				16.20	85.00			792.
76 9 3 1900	5.0	.755	.755	.950	7.180				10.00	93.00			806.
76 9 4 100	3.5	3.960	3.960	.800	10.000				15.50	96.50			856.
76 9 4 700	1.7	7.640	6.940	.350	10.000				13.80	100.00			898.
76 9 4 1300	2.4	7.640	6.960	.150	10.000				12.90	102.00			903.
76 9 4 1900	4.1	3.420	3.310	.350	10.000				9.50	106.00			898.
76 9 5 100	4.1	2.730	2.730	.400	10.000				7.70	112.00			914.
76 9 5 700	4.1	6.360	6.090	.300	10.000				20.00	117.00			972.
76 9 5 1300	5.0	1.940	1.940	.250	6.990				15.20	86.00			811.
76 9 5 1900	4.7	.700	.700	.350	7.120				10.10	89.00			827.
76 9 6 100	5.0	.638	.595	.400	8.140				12.80	84.50			835.
76 9 6 700	4.1	1.060	1.060	.450	9.540				14.90	84.50			839.
76 9 6 1300	5.8	1.040	1.040	.400	7.110				24.00	81.00			819.
76 9 6 1900	5.0	1.260	1.250	7.800	3.350				13.40	105.00			825.
76 9 7 100	2.2	1.800	1.800	5.000	9.400				9.70	125.00			938.
76 9 7 1900	2.6	1.550	1.550	3.450	5.000				9.80	150.00			941.
76 9 8 100	66.0	4.490	3.250	.350	8.000				193.00	100.00			789.
76 9 8 1900	13.4	1.010	.950	.450	4.950				15.20	75.00			682.
76 9 11 100	11.4	.388	.370	.750	3.250				15.00	70.00			761.
76 9 12 1900	8.2	.507	.450	.700	4.550				11.10	85.00			808.
76 9 13 1300	6.4	1.950	1.950	.650	6.350				12.60	85.00			812.
76 9 13 1900	6.4	2.880	2.670	8.650	1.350				10.50	102.00			820.
76 9 14 1900	2.4	1.350	1.120	5.800	4.380				8.70	110.00			863.
76 9 15 1900	2.0	1.660	1.560	1.550	4.460				9.60	83.50			1005.
76 9 16 1900	11.7	1.040	.880	2.900	4.460				10.30	118.00			881.
76 9 17 1900	9.4	.965	.810	1.050	4.350				11.30	93.00			718.
76 9 18 1900	2.4	.955	.795	.550	6.310				12.00	111.00			833.
76 9 19 1900	4.1	1.450	1.250	.550	10.000				10.40	122.00			954.
76 9 20 1300	8.2	3.400	3.250	.550	10.000				18.10	103.00			906.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

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
YR MO DY	HRS.													
76	9	21	1900	5.2	3.470	2.600	3.150	4.840		9.10	111.00			744.
76	9	21	1900	5.3	1.160	.805	2.450	7.260		15.60	130.00			824.
76	9	22	1900	2.8	1.530	1.500	1.300	9.430		9.80	142.00			924.
76	9	23	1900	2.6	2.920	2.920	.650	10.000		10.00	159.00			976.
76	9	24	1900	3.1	3.040	2.880	.300	10.000		8.00	156.00			1004.
76	9	25	1900	2.4	5.210	4.520	.300	10.000		5.70	161.00			1040.
76	9	26	1900	31.4	1.380	.515	1.200	3.310		58.90	69.00			454.
76	9	27	1900	18.0	.649	.345	1.050	2.360		79.90	61.50			470.
76	9	27	1900	31.9	.890	.590	2.750	.485		29.50	75.00			651.
76	9	28	1900	19.2	.770	.520	2.400	.380		14.60	93.50			781.
76	9	29	1900	12.6	1.240	.730	1.950	2.820		14.50	93.50			755.
76	9	30	1900	5.8	.508	.505	1.450	5.260		9.30	110.00			833.
76	10	1	1900	4.7	.570	.570	1.400	7.480		6.70	127.00			875.
76	10	2	1900	3.7	.825	.550	.900	9.350		4.30	120.00			870.
76	10	3	1900	2.8	1.820	1.820	1.550	10.000		6.50	144.00			936.
76	10	4	1900	4.1	4.310	3.940	.750	10.000		7.60	138.00			985.
76	10	4	1900	3.5	6.280	4.670	1.150	10.000		8.20	152.00			984.
76	10	5	1900	3.5	4.220	3.340	1.150	10.000		5.00	162.00			978.
76	10	6	1900	8.2	8.380	6.210	.200	10.000		13.20	147.00			870.
76	10	7	1900	4.4	1.500	1.040	.650	6.990		2.20	129.00			776.
76	10	8	1900	3.0	1.290	.800	.350	9.490		6.10	167.00			923.
76	10	9	1900	7.4	1.240	.900	.500	5.280		12.50	112.00			680.
76	10	10	1900	4.4	.695	.350	.650	6.360		3.80	121.00			773.
76	10	11	1900	11.0	1.850	1.360	.450	4.600		7.80	108.00			798.
76	10	11	1900	8.6	2.250	2.250	1.400	5.360		2.90	121.00			799.
76	10	12	1900	5.6	1.300	1.300	1.000	10.000		2.80	132.00			865.
76	10	13	1900	4.7	2.740	2.740	.300	9.820		5.20	160.00			977.
76	10	14	1900	3.5	1.470	1.470	.300	9.790		4.00	200.00			1012.
76	10	15	1900	3.5	2.200	2.200	.300	10.000		3.60	170.00			978.
76	10	16	1900	3.1	3.800	1.800	.300	10.200		3.50	188.00			1020.
76	10	17	1900	2.6	4.650	4.650	.350	10.000		4.50	194.00			1063.
76	10	18	1900	5.3	2.750	2.710	.350	10.000		4.50	135.00		.21	943.
76	10	18	1900	4.1	3.060	3.960	.150	10.000		5.80	198.00		.21	942.
76	10	19	1900	7.4	3.360	3.200	.050	10.000		4.60	289.00		.70	1003.
76	10	20	1900	24.6	2.050	1.110		3.690		5.20	130.00		.22	623.
76	10	21	1900	17.4	.710	.705	.100	3.250		8.40	156.00		.20	795.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING TIME DATE 2400 YR MO DY 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 11 20 1900	9.4	.655	.575	.150	3.660				5.70	185.00		.18	900.
76 11 23 1900	6.4	1.240	1.120	.300	6.120				6.90	186.00		.30	898.
76 11 24 1900	11.8	1.310	1.050	.430	1.500				11.40	132.00		.28	550.
76 11 25 1300	33.4	6.930	.535	.200	1.760				21.60	154.00			762.
76 11 25 1900	29.4	1.330	.865	.750	2.370				14.20	63.50	5.95		795.
76 11 26 1900	25.2	1.070	.845	1.450	2.190				6.60	71.50	7.40		812.
76 11 27 1900	15.6	1.080	.925	1.150	3.370				6.20	66.50	6.40		791.
76 11 28 1900	10.6	1.480	1.250	1.350	5.110				4.50	80.50	8.45		855.
76 11 29 1900	13.0	1.700	1.420	1.200	5.880				6.10	85.00	8.15		871.
76 11 30 1900	12.2	1.120	.950	1.050	4.410				3.80	76.50	7.75		837.
76 11 31 1900	11.0	.800	.570	1.100	3.210				8.40	49.00	5.75		589.
76 11 1 1300	20.4	.680	.485	.850	2.630				5.60	58.00	7.30		773.
76 11 2 1300	22.2	.700	.470	1.100	2.210				8.50	84.00	7.85		793.
76 11 3 1300	15.0	.710	.535	1.100	2.360				6.20	74.50	6.90		798.
76 11 4 1300	12.6	.780	.715	1.350	2.760				4.90	86.00	7.15		823.
76 11 5 1300	11.4	.900	.710	1.300	3.060				6.10	79.00	7.05		837.
76 11 6 1300	9.8	1.230	1.020	1.000	3.740				5.60	79.50	6.90		838.
76 11 7 1300	6.4	1.650	1.310	.950	3.570				2.40	83.50	6.35		851.
76 11 8 1300	6.7	2.700	2.340	.700	6.850				4.70	75.50	6.65		862.
76 11 9 1900	5.8	3.310	3.290	.600	10.000				3.70	101.00	6.80		891.
76 11 9 1900	5.8	2.280	2.080	.450	8.370				1.40	107.00	6.85		915.
76 11 10 1900	5.6	.935	.800	.300	6.500				2.10	90.00	5.85		864.
76 11 11 1900	5.6	1.210	1.000	.350	8.440				2.50	103.00	5.85		905.
76 11 12 1900	6.4	1.270	1.070	.350	8.850				2.80	116.00	6.00		956.
76 11 13 1900	5.8	1.240	1.030	.250	8.630				4.00	93.00	4.85		906.
76 11 14 1900	3.0	0.160	1.040	.300	8.680				5.10	93.00	5.35		895.
76 11 15 1300	6.7	3.410	1.980	.400	8.990				4.80	88.50	5.40		942.
76 11 15 1900	4.0	4.080	3.870	.600	14.500				5.30	111.00			970.
76 11 16 100	8.0	6.380	6.380	.500	15.900				7.40	123.00			1016.
76 11 16 700	4.0	3.960	3.960	1.900	9.430				5.10	134.00			932.
76 11 16 1300	13.0	1.890	1.890	.500	7.260				6.80	116.00			926.
76 11 16 1900	5.0	1.230	1.160	.500	5.800				10.70	99.00			887.
76 11 17 100	7.0	3.610	3.610	.500	8.160				8.90	114.00			931.
76 11 17 700	6.0		3.700	.700	8.130				7.10	126.00			937.
76 11 17 1300	13.0	4.140	1.170	.500	4.700				5.40	107.00			899.
76 11 22 1900	8.0	6.320	3.050	1.900					33.40		4.90		2330.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	GRG. NIT. MG/L	TOTAL NJELO MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	STO2 MG/L	IRON MG/L	COND 25C. UMHO
YR MO DY	HRS.													
76	11	23	1900	8.0	1.300	1.080	.300	5.790		8.30	135.00	3.40		920.
76	11	24	1900	8.0	16.000	1.920	.200	6.690		7.60	134.00	3.40		953.
76	11	25	1900	8.0	1.410	1.240	.300	5.120		6.50	115.00	6.90		898.
76	11	26	1900	13.0	2.570	2.210	.100	8.310		18.20	150.00	3.40		921.
76	11	27	1900	11.0	.900	.660	.200	3.590		8.80	121.00	2.40		854.
76	11	28	1900	17.0	.930	.690	.100	3.260		8.30	93.00	2.50		828.
76	11	29	1300	21.0	1.740	1.370	.600	5.040		10.50	124.00	3.90		959.
76	12	7	1300	14.0	1.380	.820	.900	3.490	5.960	18.40	204.00	4.50		1013.
76	12	8	1300	12.0	1.060	.700	.900	4.070	5.110	8.70	178.00	5.40		1042.
76	12	9	1300	13.0	1.430	1.040	.700	4.440	6.140	8.20	138.00	4.10		1036.
76	12	10	1300	11.0	1.750	1.370	.800	4.750	6.730	7.60	124.00	3.90		1008.
76	12	11	1300	10.0	1.810	1.450	1.100	4.940	7.000	6.70	165.00	3.50		1089.
76	12	12	1300	10.0	2.050	1.530	1.000	4.020	6.440	7.30	131.00	3.60		1012.
76	12	13	1300	11.0	2.430	1.600	1.100	5.000	7.360	9.00	141.00	4.00		1027.
76	12	14	100	8.0	3.640	.800	1.000	3.200	7.560	11.30	140.00	4.00		1088.
76	12	14	1300	10.0	2.430	2.380	1.300	5.940	8.080	8.10	173.00	3.40	.38	1088.
76	12	15	220	8.0	1.150	2.720	.400	8.280	11.900	15.90	148.00	3.00	.54	1082.
76	12	15	1540	10.0	2.220	2.070	.500	5.590	7.900	9.50	142.00	2.90	.44	1024.
76	12	16	500	7.0	2.600	2.380	.400	7.040	10.700	14.00	156.00	2.60	.64	1058.
76	12	16	1920	8.0	2.170	1.940	.500	6.090	8.860	9.20	148.00	2.60	.34	1014.
76	12	17	840	2.0	4.930	4.200		14.100	21.400	19.90	152.00	3.70	.45	1085.
76	12	17	2200	4.0	2.730	2.340	.300	8.660	13.400	9.20	154.00	2.60	.37	1070.
76	12	18	800	2.0	5.540	4.520		14.400	21.700	22.70	180.00	4.00	.57	1167.
76	12	20	1300	20.0	2.410	1.620	.900	2.470	9.720	22.30	251.00			1046.
76	12	21	1300	12.0	1.590	1.110	.900	4.480		10.00	200.00	5.40		1033.
76	12	22	1300	6.0	2.360	1.670	.800	6.950	5.940	9.20	173.00	4.90		997.
76	12	23	1300	6.0	2.250	1.620	.800	6.180	8.410	7.10	153.00	4.90		966.
76	12	24	1300	3.0	3.950	2.950	.700	10.600	14.600	2.90	181.00	6.30		1063.
76	12	25	1300	2.0	5.710	4.600	.400	15.600	21.000	11.20	187.00	7.40		1080.
76	12	26	1300	3.0	2.280	1.890	.700	9.420	12.700	6.70	149.00	8.40		996.
76	12	27	700	6.0	2.940	2.260	.700	11.200	15.200	10.00	293.00	5.20		1303.
76	12	27	1900	10.0	2.460	1.990	1.300	8.850	14.400	9.70	236.00	4.80		1208.
76	12	28	1900	4.0	4.370	4.070	.800	14.200	19.800	8.90	234.00	7.30		1217.
76	12	29	1900	3.0	3.830	3.660	.600	13.300	18.200		243.00	6.70		1234.
76	12	30	1900	10.0	2.130	1.870	1.100	7.000	10.900	8.00	164.00	4.50		1068.
76	12	31	1900	3.0	3.800	3.490	.800	11.100	18.100	9.48	211.00	6.30		1133.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYRUS, OHIO

USGS NO. 04196000

SAMPLING TIME DATE	TIME 24 H HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOG. 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	1	1	1400	1.0	5.510	4.690	.700	14.900	21.300	11.10	186.00	6.80		1115.
77	1	2	1700	4.1	5.340	4.460	.600	17.200	20.000	14.90	178.00	7.20		1103.
77	1	3	1700	2.4	4.270	5.540	.500	20.000	20.000	16.90	185.00	8.00		1164.
77	1	4	1600	2.4	5.990	4.850	.600	19.300		13.90	180.00			1121.
77	1	4	1900	2.6	6.000	5.220	.300	16.500		11.70	297.00			1372.
77	1	5	1900	2.6	5.870	4.950	.300	17.900		11.00	338.00			1515.
77	1	6	1900	2.4	5.550	4.630	.200	17.300		12.40	249.00			1298.
77	1	7	1900	2.4	5.180	4.020	.200	18.000		10.50	187.00			1159.
77	1	8	1900	2.2	5.720	4.760	.100	17.100		12.30	208.00			1223.
77	1	9	1900	4.1	5.610	5.220		15.900		11.10	178.00			1142.
77	1	10	1300	2.2	6.820	5.360	.300	20.000		15.30	172.00			1157.
77	1	12	1300	4.1	6.540	5.390	.200	18.800		20.20	271.00			1299.
77	1	13	1300	1.0	5.170	5.140	.300	20.000		13.60	210.00			1210.
77	1	14	1300	2.4	7.030	6.290	.100	20.000		18.70	219.00			1237.
77	1	15	1300	1.4	4.770	5.780	.200	16.700		22.80	220.00			1257.
77	1	16	1300	1.0	4.140	5.130	.100	15.900		9.30	197.00			1220.
77	1	17	1300	1.4	5.340	4.040	.200	19.600		16.00	175.00			1162.
77	1	18	1300	1.4	4.060	4.580	.100	17.800		26.10	153.00			1107.
77	1	19	1900	1.7	5.050	4.210	.900	14.900		12.10	178.00	6.90		1083.
77	1	19	1900	2.2	4.790	4.220	.600	17.000		11.60	188.00	5.90		1051.
77	1	20	1900	2.4	4.170	3.810	.500	13.900		13.30	240.00	5.70		1168.
77	1	21	1900	8.4	2.480	1.980	1.000	7.490		18.80	185.00	7.40		1078.
77	1	22	1900	9.1	1.240	1.040	1.300	7.130		12.40	165.00	6.80		1049.
77	1	23	1900	11.0	1.330	1.130	1.000	7.850		14.90	157.00	7.30		1051.
77	1	24	1900	3.1	1.430	1.040	.780	2.000		8.80	88.90	9.78		1080.
77	1	24	1900	1.0	1.800	1.510	.660	2.000		10.10	96.00	10.60		1076.
77	1	25	1900	2.1	1.500	1.520	.550	2.000		8.40	111.00	9.92		1134.
77	1	27	1900	7.7	1.370	1.150	.660	2.000		12.70	109.00	9.00		1248.
77	1	28	1900	11.0	1.490	1.040	.690	2.000		14.10	88.90	10.20		1230.
77	1	29	1900	7.0	1.210	.810	.670	2.000		11.70	78.80	9.09		1078.
77	1	30	1900	7.0	1.140	.706	.720	2.000		14.90	75.70	8.86		1022.
77	1	31	1900	11.0	1.670	1.270	.760	2.000		10.30	79.30	10.30		996.
77	1	3	1300	7.7	2.250	1.340	.500	7.420		41.80	189.00	6.40		1003.
77	1	4	1300	7.7	1.250	.800	.800	6.220		10.30	260.00	6.40		1231.
77	1	5	1300	6.7	1.180	.840	.800	5.480		8.40	216.00	6.70		1111.
77	1	6	1300	6.3	1.660	1.100	.920	6.380		10.40	183.00	7.20		1050.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR PUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORP MIL	TOTAL PUELO MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	7 1700	11.2	1.600	1.020	.900	7.070				12.60	173.00	6.90		1022.
77	7 1800	7.1	1.620	.790	.870	6.000				21.00	96.60	8.71		1047.
77	7 1900	7.1	1.490	1.26	.750	2.000				16.40	93.80	8.68		1036.
77	7 2000	11.2	2.000	2.700	.660	2.000				14.10	95.00	8.66		1075.
77	7 2100	13.4	2.97	1.650	.300	9.560				48.00	562.00	24.10		1923.
77	7 2200	11.2	1.780	1.240	.400	7.940				20.30	570.00	28.80		1958.
77	7 11 1700	12.7	1.430	.940	.900	6.300				18.40	603.00	17.90		2140.
77	7 11 400	9.1	1.330	.600	.900	5.450				17.90	715.00	28.10		2440.
77	7 11 700	8.9	1.270	.740	1.100	5.430				14.30	646.00	15.60		2270.
77	7 11 1000	8.1	1.220	.670	1.100	6.020				14.10	555.00	16.50		2000.
77	7 11 1300	9.6	.990	.610	1.100	5.190				11.60	475.00	18.10		1770.
77	7 11 1600	14.9	1.660	.800	.100	6.490				39.30	526.00	18.70		1920.
77	7 11 1900	24.5	2.090	.980	.100	5.840				119.00	621.00	15.90		2150.
77	7 11 2200	22.3	1.720	.100	.920					81.20	679.00	20.60		2300.
77	7 12 100	16.5	1.520	.300	.430					43.40	657.00	14.80		2260.
77	7 12 400	11.2	1.040	.570	1.100	4.140				32.20	626.00	14.00		2170.
77	7 12 700	21.2	.400	.510	1.600	4.070				17.00	588.00	13.90		2060.
77	7 12 1000	11.2	.420	.480	1.500	3.840				12.20	514.00	15.40		1840.
77	7 12 1300	11.2	.400	.460	1.500	3.810				10.50	466.00	15.20		1700.
77	7 12 1600	25.1	.410	.490	.100	3.570				172.00	491.00	17.90		1710.
77	7 12 1900	44.7	1.930	.990	.100	3.430				202.00	436.00	15.60		1430.
77	7 12 2200	47.5	1.430	.640	.700	3.290				116.00	424.00	11.80		1347.
77	7 13 100	34.7	1.120	.500	1.500	3.280				78.60	398.00	19.50		1265.
77	7 13 400	36.1	1.080	.390	1.700	2.820				52.60	361.00	11.50		1192.
77	7 13 700	33.0	.960	.350	1.900	2.580				42.90	328.00	13.90		1141.
77	7 13 1000	32.9	.790	.320	2.100	2.610				28.50	311.00	15.10		1111.
77	7 13 1300	34.5	1.160	.460	2.000	3.860				37.00	356.00	18.80		1220.
77	7 13 1600	34.5	1.120	.470	2.000	3.150				41.60	381.00	11.80		1290.
77	7 13 1900	35.1	1.140	.440	2.000	4.250				46.90	330.00	18.00		1161.
77	7 14 200	36.1	1.110	.420	1.700	2.770				39.90	272.00	14.40		1062.
77	7 14 500	33.1	1.760	.710	.500	2.920				259.00	221.00	19.10		994.
77	7 14 800	34.7	1.460	1.210	.300	3.600				452.00	195.00	14.70		929.
77	7 14 1100	37.6	1.540	.610	1.000	3.990				268.00	228.00	8.60		917.
77	7 14 1400	33.6	.490	.150	3.200	1.600				40.90	188.00	7.40		707.
77	7 14 1700	73.0	.960	.430	3.700	1.360				44.70	162.00	7.70		688.
77	7 17 1300	65.2	.600	.310	3.600	1.150				22.30	163.00	7.60		708.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME 24 HRS	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77	1 14 1300	56.6	.460	.240	3.100	.900				16.60	152.00	7.90		718.
77	1 17 1300	43.8	.400	.270	3.000	1.430				8.10	155.00	8.80		747.
77	1 20 1300	37.5	.440	.300	2.500	1.740				6.60	146.00	9.00		757.
77	1 21 700	33.0	.530	.360	2.600	1.770				8.40	144.00	8.70		760.
77	2 21 1900	33.8	.790	.660	2.100	3.880		4.950		12.60	149.00	12.40		796.
77	2 22 100	30.9	.760	.670	2.100	2.690		3.730		9.70	154.00	10.70		809.
77	2 22 700	27.9	.570	.470	2.200	2.200		2.720		7.30	157.00	11.40		746.
77	2 22 1300	28.7	.520	.450	2.000	2.530		2.970		8.70	152.00	13.00		814.
77	2 22 1900	70.0	1.440	.560	.600	2.850		7.340		112.00	189.00	7.00		773.
77	2 23 100	82.4	.710	.380	1.900	2.210		2.930		18.50	161.00	3.20		727.
77	2 23 700	126.0	1.610	.180	1.400	2.000		5.780		141.00	129.00	8.70		645.
77	2 23 1300	257.9	3.130	.530	.800	2.540		13.800		420.00	109.00	9.70		525.
77	2 23 1900	596.1	1.520	.180	1.600	1.270		4.550		342.00	87.00	5.60		450.
77	2 24 100	929.6	.890	.200	1.900	1.220		3.060		239.00	67.00	4.80		337.
77	2 24 700	1090.0	.830	.110	2.300	1.280		3.420		310.00	66.00	4.60		308.
77	2 24 1300	1371.2	.710	.060	2.200	.230		2.020		303.00	58.00	3.90		298.
77	2 24 1900	1722.2	.590	.050	2.500	.560		2.230		298.00	57.00	4.30		290.
77	2 25 100	1640.6	.530	.030	2.800	.110		2.420		256.00	55.00	4.90		294.
77	2 25 700	1570.2	.440	.060	3.100	.810		1.590		224.00	57.00	4.50		300.
77	2 25 1300	1241.6	.390	.040	3.700	.420		1.630		178.00	59.00	5.80		331.
77	2 25 1900	761.8	.520	.020	3.800	.410		1.680		252.00	65.00	6.40		377.
77	2 26 100	483.7	.440	.040	4.000	.500		2.020		179.00	69.00	7.30		402.
77	2 26 700	397.6	.350	.010	4.100	.490		1.990		171.00	67.00	5.90		416.
77	2 26 1300	329.8	.340	.060	4.000	.420		1.890		113.00	71.00	6.70		433.
77	2 26 1900	276.2	.340	.030	3.900	.380		1.850		98.60	75.00	7.50		455.
77	2 27 100	255.9	.290	.010	3.800	.860		1.760		72.40	81.00	6.50		485.
77	2 27 700	259.8	.230	.010	3.900	.090		1.390		57.90	84.00	9.30		491.
77	2 27 1300	276.2	.240	.020	3.900	.350		2.120		49.80	79.00	8.90		488.
77	2 27 1900	276.2	.280	.040	4.400	1.770		1.750		49.60	82.00	7.10		498.
77	2 28 100	274.2	.210	.020	4.900	1.250		1.670		42.10	82.00	6.90		501.
77	2 28 700	234.3	.190	.020	4.800	.450		1.540		40.30	81.00	7.70		509.
77	2 28 1300	183.5	.320	.470	8.100	.760		3.460		557.00	115.00	8.50		530.
77	2 28 1900	107.8	.250	.200	5.800	1.040		.950		15.60	127.00	11.00	.30	569.
77	2 29 1300	90.6	.210	.210	8.000	1.230		.920		11.50	122.00	10.70	.10	603.
77	2 29 1900	70.0	.270	.160	4.500	1.230		1.420		10.60	99.00	8.40	.10	640.
77	2 30 1300	130.0	.480	.240	4.900	1.340		1.880		343.00	127.00	8.50	.70	674.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME 24HR YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHG 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	S102 MG/L	IRON MG/L	COND 25C. UMHO
77	3 5 1300	325.4	.310	.200	12.000	1.010		1.620		100.00	135.00	11.30	.60	525.
77	3 6 1300	141.1	.190		5.600	1.030		1.550		25.00	85.00	10.40	.20	574.
77	3 7 700	109.1	.180		12.500	1.160		1.460		11.00	153.00	13.70	.20	599.
77	3 7 1000	97.9	.420	.420	6.200	1.300				5.00	102.00	8.00		628.
77	3 8 1900	76.0	.360	.360	4.400	1.490				6.70	92.00	8.30		655.
77	3 9 1900	75.0	.280		3.800	1.600				4.10	87.00	8.10		660.
77	3 17 1900	71.0	.310		3.500	1.740				9.60	87.00	8.40		681.
77	3 11 1900	59.5	.440	.380	3.200	1.910				11.70	88.00	8.10		685.
77	3 12 1900	87.1	.870	.360	2.400	2.050				77.00	109.00	6.40		688.
77	3 13 100	124.7	.530	.240	2.700	1.100				54.90	112.00	6.00		686.
77	3 13 700	220.9	.400	.170	3.400	.880					92.00	6.50		663.
77	3 13 1300	395.0	.510	.130	3.400	.790				77.00	89.00	7.20		642.
77	3 13 1900	334.3	.390	.100	4.600	.740				76.00	100.00	7.30		593.
77	3 14 100	242.1	.410	.080	4.600	.880				79.00	94.00	7.20		574.
77	3 14 700	191.6	.300	.070	4.800	.880				116.00	87.00	7.50		568.
77	3 14 1300	168.5	.310	.080	4.900	.950				103.00	89.00	7.70		590.
77	3 14 1900	152.5	.570	.150	5.000	1.180		1.860		43.10	77.00	7.40	4.00	619.
77	3 15 1900	126.6	.490	.010	4.500	1.640		1.760		23.20	78.00	7.10	2.00	671.
77	3 16 1900	77.0	.620	.210	4.000	1.670		2.560		17.50	81.00	6.90	1.00	706.
77	3 17 1900	58.5	.530	.160	3.100	1.510		2.590		5.50	71.00	5.40	1.00	731.
77	3 18 100	45.9	.860	.110	2.900	1.520		3.300		41.60	78.00	5.00	2.00	706.
77	3 18 700	175.2	.690	.040	2.500	.710		2.910		130.00	74.00	4.10	5.00	580.
77	3 18 1300	562.2	.690	.010	3.600	.560		2.450		258.00	60.00	4.70	11.00	578.
77	3 18 1900	1191.6	.840	.010	4.200	.510		2.510		455.00	45.00	4.60	19.00	470.
77	3 19 100	1437.5	.710	.020	5.000	.490		2.250		280.00	35.00	4.90	17.00	398.
77	3 19 700	1183.4	.510	.040	5.500	.620		2.090		130.00	35.00	5.50	11.00	404.
77	3 19 1300	565.2	.470	.020	5.700	.510		1.730		117.00	36.00	5.80	9.00	446.
77	3 19 1900	382.3	.410	.040	6.100	.670		2.180		82.00	41.00	6.30	7.00	475.
77	3 20 100	295.1	.410	.010	5.900	.580		2.430		60.00	42.00	6.40	5.00	505.
77	3 20 700	272.1	.350	.050	5.100	.440		1.700		56.80	44.00	5.70	4.00	533.
77	3 20 1300	248.0	.330	.010	5.800	.530		1.850		64.40	47.00	6.70	3.00	548.
77	3 20 1900	242.1	.320	.050	5.400	.590		2.090		33.00	46.00	6.30	1.00	568.
77	3 21 100	236.2	.320	.060	5.600	.820		1.720		25.20	49.00	6.60	3.00	573.
77	3 21 700	209.7	.290	.070	5.500	.600		2.080		23.10	50.00	6.50	3.00	602.
77	3 21 1300	182.0	.380	.030	5.300	.470		2.110		24.00	52.00	6.60	2.00	599.
77	3 21 1900	152.5	.640	.260	5.900	1.890				27.60	70.00	7.90	6.00	575.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR EUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME 24 H	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC. 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
YR	MO	DAY	MRS.											
77	5	22	700	199.6	.370	.170	4.700	2.960		48.10	69.00	6.80	8.00	525.
77	5	22	1900	500.8	.400	.170	5.700	.770		125.00	64.00	7.00	9.00	515.
77	5	23	700	461.5	.250	.140	6.400	.830		74.70	59.00	6.70	8.00	481.
77	5	23	1900	248.0	.250	.180	6.500	.670		40.60	61.00	7.70	5.00	511.
77	5	24	700	202.4	.180	.080	5.500	1.450		27.70	55.00	6.80	6.00	535.
77	5	24	1900	153.9	.330	.130	5.200	1.490		16.90	60.00	7.20	5.00	563.
77	5	25	1900	100.3	.380	.250	4.400	1.590		23.50	62.00	7.30	4.00	604.
77	5	26	1900	78.0	1.100	.200	3.900	1.150		24.50	66.00	6.50	18.00	638.
77	5	27	1900	67.1	.380	.170	3.500	1.920		15.10	67.00	6.10	4.00	651.
77	5	28	1300	118.1	.400	.170	3.000	2.080		26.10	67.00	4.90	5.00	637.
77	5	28	1900	202.4	.320	.260	4.500	.520		60.40	29.00	4.90	3.00	605.
77	5	29	100	295.1	.280	.230	4.600	3.360		104.00	27.00	5.00	4.00	572.
77	5	29	700	294.8	.300	.180	5.300	.800		121.00	25.00	5.80	6.00	524.
77	5	29	1300	535.5	.370	.220	5.600	6.100		172.00	23.00	6.10	8.00	496.
77	5	29	1900	442.4	.480	.190	5.300	.430		234.00	20.00	6.10	15.00	436.
77	5	30	100	551.4	.280	.150	5.500	.530		152.00	20.00	6.10	7.00	455.
77	5	30	700	200.0	.280	.170	5.600	.590		118.00	20.00	6.50	7.00	477.
77	5	30	1300	177.4	.310	.230	5.600	.690		88.00	22.00	6.60	4.00	511.
77	5	30	1900	152.5	.320	.250	5.500	3.440		60.10	22.00	6.60	4.00	532.
77	5	31	1900	88.3	.270		4.500	1.160		24.00	26.00	6.00	1.00	598.
77	4	1	1900	63.3	.420	.320	3.700	1.370		24.20	29.00	5.00	1.00	640.
77	4	2	100	59.5	.590	.520	3.400	.940		28.20	32.00	4.80	1.00	685.
77	4	2	700	105.3	.730	.220	2.300	2.560		279.00	26.00	2.90	6.00	494.
77	4	2	1300	299.3	.360	.200	2.700	.620		545.00	23.00	4.10	7.00	497.
77	4	2	1900	1154.7	.640	.190	3.800	.810		292.00	20.00	4.50	18.00	407.
77	4	3	100	1425.0	.640	.160	3.900	1.390		405.00	17.00	4.70	22.00	303.
77	4	3	700	1347.0	.740	.150	3.700	.750		411.00	17.00	4.80	23.00	282.
77	4	3	1300	2140.0	.590	.170	3.700	.590		366.00	15.00	5.20	19.00	278.
77	4	3	1900	1870.4	.630	.170	4.000	1.720		211.00	16.00	5.90	18.00	303.
77	4	4	100	802.4	.560	.190	4.500	3.460		360.00	18.00	6.20	14.00	351.
77	4	4	700	407.9	.570	.200	4.800	.900		339.00	19.00	6.50	14.00	385.
77	4	4	1300	384.8	.310	.180	4.700	1.030		201.00	21.00	6.70	8.00	417.
77	4	4	1900	325.4	.420					115.00			10.00	440.
77	4	5	100	263.8	.360					138.00			10.00	454.
77	4	5	700	249.7	.290					104.00			9.00	464.
77	4	5	1300	426.3	.360					126.00			10.00	467.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING TIME DATE 2400 YR MO DY 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 5 1900	357.4	.340							150.00			10.00	455.
77 4 6 1900	180.5	.300							54.90			7.00	513.
77 4 7 1900	145.3	.280							42.00			7.00	555.
77 4 8 1900	107.8	.230							21.20			5.00	579.
77 4 9 1900	82.4	.230							8.50			5.00	599.
77 4 10 1900	74.0	.160							10.40			4.00	614.
77 4 11 1300	65.2	.230							24.20			5.00	646.
77 4 11 1900	54.8	.760	.280	20.800	.910				47.00	217.00	8.80	3.00	657.
77 4 12 1900	44.7	.580	.270	14.500	1.270				26.40	149.00	6.80	1.00	675.
77 4 13 1900	37.5	.610	.330	17.500	8.670				61.30	181.00	7.00		667.
77 4 14 1900	32.3	.600	.350	11.600	.950				20.60	125.00	5.70	1.00	671.
77 4 15 1900	26.7	.690	.370	12.000	4.620				28.00	120.00	6.70		677.
77 4 16 1900	23.4	.780	.290	14.200	2.590				32.30	145.00	8.10		698.
77 4 17 1900	21.2	.710	.350	9.500	1.650				18.80	109.00	6.40		711.
77 4 18 1300	20.0	.690	.340	8.600	5.300				15.40	102.00	5.50		726.
77 4 18 1900	20.0	1.420	.970	6.100	.840				216.00	79.00	18.20	6.00	741.
77 4 19 1900	18.9	.880	.740	3.900	.640				14.00	63.00	21.80	2.00	722.
77 4 20 1900	36.0	1.330	.790	4.200	.790				59.20	67.00	19.30	3.00	671.
77 4 21 1900	33.0	.530	.390	2.800	.650				12.00	58.00	29.40	2.00	689.
77 4 22 1900	52.9	1.010	.560	2.100	1.580				39.70	67.00	12.50	3.00	634.
77 4 23 1900	197.0	.540	.290	4.700	.900				56.80	44.00	21.50	4.00	552.
77 4 24 1900	102.8	.390	.250	4.100	1.070				13.60	44.00	22.50	2.00	601.
77 4 25 1350	77.0	.550	.300	3.700	1.130				19.70	45.00	24.90	3.00	626.
77 4 25 1900	71.0	.550		4.700	.560				17.40	50.00	5.20	1.00	645.
77 4 26 1900	124.7	.360		3.200	.560				16.00	44.00	3.50	1.00	640.
77 4 27 1900	81.2	.410		3.400	.520				23.00	39.00	3.90	1.00	589.
77 4 28 1900	72.0	.950		2.400	1.570				37.10	44.00	3.10		617.
77 4 29 1900	76.0	.310		2.000	.820				7.90	40.00	2.70	1.00	609.
77 4 30 1900	55.7	.370		2.100	1.260				17.70	45.00	1.30	1.00	628.
77 5 1 1900	43.8	.380		1.600	1.230				17.20	43.00	.40	1.00	608.
77 5 2 1300	48.3	1.040		1.300	1.910				31.30	47.00	.70	1.00	639.
77 5 2 1900	44.7	.690	.620	2.800	.840		1.500		11.50	46.00	1.40	2.00	608.
77 5 3 1900	48.3	.430		2.500	.620		.640		11.40	49.00	1.40	1.00	628.
77 5 4 1300	142.5	.330		2.800	.720		1.380		80.40	39.00	3.40	2.00	539.
77 5 4 1600	236.2	.220		3.100	.760		1.540		134.00	35.00	3.00	2.00	571.
77 5 4 1900	439.8	.240		3.300	.760		3.290		298.00	31.00	3.70	2.00	508.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77	5 4 2200	630.0	.210		3.400	1.500		2.310		247.00	26.00	3.90	2.00	472.
77	5 5 100	623.7	.210		4.300	.790		2.100		156.00	25.00	5.00	3.00	434.
77	5 5 400	532.6	.190		5.300	.630		3.060		125.00	23.00	5.80	2.00	413.
77	5 5 700	431.7	.430		5.800	.630		1.360		94.70	25.00	6.40	10.00	434.
77	5 5 1000	374.6	.190		5.700	1.750		1.540		127.00	24.00	6.50	3.00	448.
77	5 5 1300	321.0	.180		5.600	1.050		1.940		112.00	38.00	6.50	2.00	490.
77	5 5 1600	299.3	.180		5.700	.980		2.860		86.00	26.00	6.80	2.00	466.
77	5 5 1900	288.7	.200		5.700	1.200		2.510		71.00	25.00	6.80	3.00	472.
77	5 5 2200	295.1	.170		5.600	1.160		1.360		72.90	26.00	7.00	2.00	484.
77	5 6 100	301.4	.180		5.500	.630		1.760		63.80	27.00	6.90	3.00	489.
77	5 6 400	286.6	.150		5.400	.650		2.030		64.60	28.00	7.00	2.00	489.
77	5 6 700	255.9	.130		5.200	.870		1.180		59.70	27.00	6.90	2.00	500.
77	5 6 1000	228.5	.150		5.200	.600		1.270		49.00	27.00	6.90	1.00	487.
77	5 6 1300	200.6	.420	.420	5.400	.580				38.60	33.00	7.50	4.00	527.
77	5 7 100	142.5	.310		5.400	1.480				29.00	38.00	7.30	3.00	550.
77	5 7 1300	111.7	.230		4.500	1.210				15.50	34.00	7.20	2.00	575.
77	5 8 100	89.4	.280		4.100	1.050				17.50	35.00	6.50	2.00	599.
77	5 8 1300	74.0	.240		3.700	.810				5.00	37.00	5.70	2.00	621.
77	5 9 100	63.3	.330		3.500	1.290				7.20	37.00	5.10	2.00	634.
77	5 9 1300	56.6	.400		3.000	1.250					39.00	4.60	2.00	661.
77	5 9 1900	51.9	.440	.430	4.500	.570				18.60	56.00	7.50	2.00	660.
77	5 10 700	44.7	.270	.240	3.600	.350				7.60	43.00	6.20	1.00	642.
77	5 10 1900	42.0	.380		3.800	.510				7.30	43.00	10.40	2.00	650.
77	5 11 700	37.5	.220		3.100	.420				9.10	41.00	9.70	1.00	654.
77	5 11 1900	36.8	.410	.340	3.600	.450				11.90	44.00	4.80	2.00	653.
77	5 12 700	31.6	.240	.180	2.600	.390				4.30	42.00	3.90	1.00	664.
77	5 12 700	31.6	.400	.300	2.200	1.300				9.46	42.00	2.90	2.00	655.
77	5 13 400	28.7	.510	.380	2.900	.560				6.50	49.00	4.30	1.00	686.
77	5 16 1900	22.3	1.200	.575	4.340	.091				13.70	50.00	2.07	.80	774.
77	5 17 1900	19.4	.961	.574	3.990	.102				7.90	50.20	2.26	.50	754.
77	5 18 1900	17.7	.911	.491	3.830	.097				10.70	49.10	2.36	.60	760.
77	5 19 1900	16.5	.829	.427	3.530	.110				7.10	48.00	2.31	.50	763.
77	5 21 1900	16.5	.610	.386	3.920	.104		1.130		5.80	51.40	3.02	.40	766.
77	5 21 1900	14.0	.741	.440	3.190	.947		1.530		7.90	52.70	3.74	.40	781.
77	5 22 1900	11.7	.469	.285	1.970	1.300		3.980		11.60	49.30	3.50	.40	785.
77	5 23 1300	42.0	.602	.275	1.520	.675		2.290		19.30	45.20	3.14	.50	740.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR RUCYRUS, OHIO

USGS NO. 04196060

SAMPLING DATE YR MO DY	TIME 24 HR 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	5	23	1900	35.3	.882	.699	3.350	.033	1.140	11.80	49.00	5.14	.50	742.
77	5	24	1900	20.6	.798	.655	4.830	.036		8.50	59.10	5.79	.60	694.
77	5	25	1900	4.7	.591	.446	6.430	.032		5.70	69.70	7.69	.40	880.
77	5	26	1900	3.3	1.030	.798	7.670	.025		5.20	86.90	8.30	.40	891.
77	5	27	1900	2.6	1.370	1.090	5.850	2.000		5.00	89.20	8.88	.40	933.
77	5	28	1900	5.4	1.220	.903	3.330	2.000		11.90	108.00	7.55	.50	1052.
77	5	29	1900	4.1	.731	.530	.830	2.000		6.90	75.80	6.84	.60	865.
77	5	30	1300	3.9	1.820	1.540	.800	2.000	9.380	11.50	75.00	5.74	.50	877.
77	5	31	1900	5.1	1.710	1.450	5.790	2.000		3.10	73.20	7.96	5.00	858.
77	6	1	1900	3.5	.903	.662	3.790	1.430			69.00	5.75	2.00	788.
77	6	2	1900	3.3	.707	.533	3.140	2.000		.50	77.70	6.62	1.00	911.
77	6	3	1900	2.8	.980	.666	2.990	2.000		1.90	86.10	6.84	1.00	1071.
77	6	4	1900	2.4	1.780	1.260	1.810	2.000		.70	82.70	7.96	1.00	954.
77	6	5	1900	2.6	1.880	1.250	1.870	2.000		1.60	75.00	7.84	1.00	915.
77	6	6	1300	4.1	3.240	1.970	2.190	2.000	10.700	7.60	70.30	5.99	1.00	872.
77	6	6	1900	4.4	3.560	1.350	5.110	2.000	7.100	14.30	67.00	5.74	.50	821.
77	6	7	1900	3.1	1.900	1.290	3.160	2.000		10.70	82.70	8.46	.40	952.
77	6	8	1900	8.1	1.800	1.240	3.880	2.000		12.20	82.40	7.59	.40	956.
77	6	9	1900	11.2	.728		5.200	1.650		11.70	62.40	5.94	.30	632.
77	6	10	1900	2.4	.891		2.310	2.000		10.40	78.60	6.80	.30	889.
77	6	11	1900	3.7	1.650		1.810	2.000		12.60	110.00	6.85	.30	1118.
77	6	12	1900	3.7	1.310		2.540	2.000		39.10	64.70	4.97	.90	778.
77	6	13	1300	4.7	2.530		2.530	2.000	8.900	10.60	64.80	5.30	.30	841.
77	6	14	1900	4.4	2.420	1.690		.290		23.50	338.00	21.70	1.00	940.
77	6	15	1900	3.5	2.120	1.680	17.800	.320		25.70	240.00	13.90	.70	898.
77	6	16	1900	2.4	2.850	2.090	13.900	.300		17.20	236.00	11.90	.60	951.
77	6	17	1900	20.6	2.670	1.990	9.700	.370		31.50	156.00	8.30	1.20	615.
77	6	18	1900	8.5	1.090	.870	2.500	1.520		7.30	101.00	6.10	.50	741.
77	6	19	1900	8.5	.743	.640	4.200	3.290		7.10	176.00	7.70	.30	813.
77	6	20	1300	8.5	1.690	1.260	7.600	2.940	6.500	8.20	295.00	10.10	.40	852.
77	6	21	1900	11.2	2.400	1.920	7.800	.830		8.20	110.00	6.90	3.00	866.
77	6	22	1900	6.3	1.600	1.120	5.600	.420		9.70	103.00	7.70	1.00	837.
77	6	23	1900	5.4	2.010	1.170	2.600	3.860		38.90	105.00	7.50	1.00	891.
77	6	24	1900	5.4	1.480	.890	3.300	3.540		10.20	104.00	7.60	2.00	876.
77	6	25	1900	4.7	2.360	1.850	2.600	5.440		11.20	117.00	7.10	.40	904.
77	6	26	1900	2.6	3.830	3.200	1.100	9.440		11.10	124.00	6.80	1.00	945.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER HASTN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR RUCYRUS, OHIO

USGS NO. 04196000

SAMPLING DATE	TIME 2400 YR MO DY 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 26 1900	1.7	7.720	6.690	.670	13.000				10.70	147.00	9.00	1.00	1066.
77	6 27 1300	3.9	1.480	.940	2.300	8.260				5.40	104.00	6.30	2.00	983.
77	6 27 1900	3.7	1.570	1.020	10.300	.210		1.400		22.70	81.20	8.39	1.00	843.
77	6 28 1900	2.6	4.760	3.530	5.300	5.070		1.850		20.90	91.30	9.81		925.
77	6 29 1900	2.8	1.300	.798	2.220	1.360		1.390		11.30	61.00	6.00		575.
77	6 30 100	2.2	1.580	1.090	3.600	3.550		2.100		11.40	69.30	6.60		650.
77	6 30 700	1.2	5.110	3.850	2.370	7.560		6.790		12.80	86.50	8.33	1.00	841.
77	6 30 1300	2.4	4.260	3.610	5.560	6.520		11.300		15.40	80.70	8.13	2.00	990.
77	6 30 1900	2.4	3.770	2.460	2.120	8.820		9.450		16.50	98.20	9.79		989.
77	7 1 100	175.9	1.320	.532	4.200	.927		2.150		471.00	38.60	5.36	21.00	386.
77	7 1 700	234.3	.910	.274	5.020	.129		2.560		445.00	40.90	5.02	18.00	534.
77	7 1 1300	211.6	1.420	.269	10.800	.249		3.670		794.00	38.00	6.09	34.00	466.
77	7 1 1900	156.8	1.010	.240	12.200	.324		2.800		499.00	37.10	6.56	23.00	494.
77	7 2 100	116.8	.890	.356	13.700	.444		2.250		257.00	46.00	7.55	12.00	564.
77	7 2 700	70.0	.780	.478	12.600	.884		1.500		121.00	49.90	7.86	6.00	606.
77	7 2 1300	54.8	.590	.461	11.300	1.250		1.360		64.50	50.90	8.24	3.00	634.
77	7 2 1900	39.8	.590	.452	11.300	1.470		1.350		36.60	49.70	8.44	1.00	641.
77	7 3 100	24.5	.950	.666	10.400	1.680		1.960		51.90	50.30	8.23	1.00	642.
77	7 3 700	17.1	.630	.564	9.880	1.880		2.070		46.50	50.50	8.32	1.00	639.
77	7 3 1300	13.6	.720	.629	9.980	1.920		2.800		26.50	52.60	7.97	1.00	651.
77	7 3 1900	16.5	1.030	.686	9.510	2.030		3.720		28.70	52.90	7.70		675.
77	7 3 1900	16.5	1.030	.686	9.510	2.000		3.720		28.70	52.90	7.70	1.00	675.
77	7 4 100	14.0	1.220	.809	8.730	2.540		4.200		17.70	52.70	8.76	1.00	676.
77	7 4 700	34.5	1.750	1.000	8.100	3.050		5.300		19.30	53.70	8.22		689.
77	7 4 1300	62.3	1.020	.465	6.680	.173		8.000		105.00	41.90	10.00		426.
77	7 4 1300	62.3	1.020	.465	6.680	.173				105.00	41.90	10.00	8.00	426.
77	7 4 1900	68.1	.720	.280	7.010	.086				69.50	38.70	10.40	7.00	529.
77	7 4 1900	75.0	.670	.121	8.390	.138				219.00	24.20	8.54	14.00	549.
77	7 4 2200	96.7	1.620	.150	8.750	.092				1267.00	23.80	8.48	53.00	388.
77	7 5 1300	284.5	1.120	.186	9.760	.105				721.00	26.70	9.13	35.00	370.
77	7 5 1600	274.6	.870	.084	10.100	.098				444.00	18.80	10.90	24.00	409.
77	7 5 1900	180.5	.730	.209	10.500	.203				327.00	28.90	10.40	19.00	440.
77	7 6 2200	151.1	.700	.263	10.600	.101				248.00	30.90	10.00	15.00	463.
77	7 6 100	127.4	.630	.248	10.700	.331				178.00	32.90	9.47	13.00	483.
77	7 6 400	107.8	.540	.219	10.400	.099				157.00	33.50	9.19	11.00	488.
77	7 6 700	93.0	.490	.190	10.200	.316				136.00	33.70	8.62	10.00	497.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR BUCYRUS, OHIO

USGS NO. 04196000

SAMPLING TIME DATE 24 HRS YR MO DY HRS	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NO-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
77 7 6 1 1	83.1	.450	.197	9.900	.199				176.00	34.40	9.24	9.00	506.
77 7 6 1 300	74.0	.470	.241	9.230	.302				143.00	35.80	10.60	8.00	525.
77 7 6 1 600	47.1	.500	.273	.010	.473				86.40	37.30	11.00	8.00	535.
77 7 6 1 900	60.9	.530	.323	8.530	.586				69.50	37.40	10.20	7.00	542.
77 7 6 2 200	54.8	.560	.384	8.100	.712				57.60	37.80	9.85	6.00	547.
77 7 7 1 100	51.0	.640	.466	7.830	.903				51.40	40.10	9.17	6.00	559.
77 7 7 4 00	43.0	.530	.336	7.430	1.130				47.60	39.70	9.29	5.00	541.
77 7 7 7 00	39.0	.460	.276	7.340	.528				42.00	39.40	9.58	6.00	549.
77 7 7 10 00	37.5	.450	.284	7.020	1.270				45.30	41.00	9.43	5.00	562.
77 7 7 13 00	34.5	1.760	.327	7.050	.053	.930			68.10	40.70	10.20	4.00	571.
77 7 7 16 00	32.3	1.530	.377	7.310	.043	1.240			58.00	42.40	10.90	3.00	583.
77 7 7 19 00	28.7	1.600	.457	7.210	.037	1.360			59.00	44.00	11.40	3.00	592.
77 7 7 22 00	32.3	1.470	.610	7.010	.021	1.050			47.20	44.60	11.20	2.00	595.
77 7 8 1 00	30.9	1.060	1.060	6.810	.040	1.260			40.80	50.40	11.40	2.00	623.
77 7 8 4 00	34.5	.800	.802	6.420	.053	1.200			36.00	48.10	10.60	2.00	686.
77 7 8 7 00	53.8	.620	.383	6.010	.080	1.050			42.30	40.50	10.60	2.00	573.
77 7 8 10 00	67.1	.790	.273	5.820	.093	1.260			109.00	38.40	10.30	5.00	566.
77 7 8 13 00	90.6	1.260	.346	6.150	.169	1.500			114.00	39.80	9.72	5.00	582.
77 7 8 16 00	92.4	1.030	.306	5.910	.100	1.440			155.00	38.50	9.56	7.00	551.
77 7 8 19 00	85.9	.550	.294	6.120	.094	1.680			291.00	35.30	9.44	13.00	477.
77 7 8 22 00	84.7	.430	.323	6.070	.067	1.680			256.00	35.10	8.89	12.00	478.
77 7 9 1 00	75.0	.430	.280	5.520	.055	1.750			304.00	34.90	8.43	15.00	471.
77 7 9 4 00	64.0	.530	.218	5.190	.053	1.870			472.00	32.50	8.08	21.00	446.
77 7 9 7 00	53.8	.740	.202	5.850	.048	2.240			354.00	32.40	8.16	18.00	447.
77 7 9 10 00	46.5	.800	.240	6.500	.056	1.850			278.00	33.60	8.56	15.00	458.
77 7 9 13 00	42.0	.780	.363	6.470	.131	1.850			165.00	37.20	9.58	10.00	503.
77 7 9 16 00	37.5	.920	.468	6.400	.199	1.540			116.00	41.00	10.50	7.00	540.
77 7 9 19 00	33.0	.720	.538	6.180	.201	1.690			101.00	43.80	10.80	7.00	570.
77 7 10 1 00	26.7	.730	.732	5.450	.171	1.290			50.40	46.00	10.70	3.00	616.
77 7 10 13 00	20.0	.730	.736	4.940	.466	1.180			63.60	49.00	11.10	3.00	662.
77 7 10 22 00	17.1	.904	.904	5.620	.837	1.620			49.30	50.90	12.20	2.00	671.

**BROKEN SWORD CREEK
AT
NEVADA, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	HRS.											
76	1	29	1515	240.0	.184	.100	3.800	.210		29.50	22.00			425.
76	1	29	2115	180.0	.194	.090	3.900	.190		38.40	23.00			459.
76	1	30	315	156.5	.153	.080	3.700	.150		20.60	22.00			458.
76	1	30	915	135.1	.143	.070	3.600	.190		13.40	22.00			474.
76	1	30	1515	131.3	.133	.070	3.600	.170		17.90	22.00			477.
76	1	30	2115	117.6	.132	.070	3.400	.100		17.10	22.00			486.
76	1	31	315	99.4	.122	.060	3.400	.120		7.60	23.00			490.
76	1	31	915	87.0	.117	.050	3.200	.110		20.00	22.00			513.
76	1	31	1515	90.2	.113	.050	3.300	.120		13.70	23.00			509.
76	1	31	2115	94.8	.108	.060	2.500	.210		12.10	23.00			518.
76	2	1	315	73.1	.087	.050	3.500	.120		8.40	24.00			527.
76	2	1	915	60.6	.098	.040	3.400	.150		8.50	24.00			546.
76	2	1	1515	66.6	.088	.040	3.300	.090		13.70	24.00			554.
76	2	4	1400	39.3	.039	.030	2.700	.160		5.00	25.00			641.
76	2	4	2000	40.0	.045	.030	2.600	.120		2.10	24.00			654.
76	2	5	200	37.4	.045	.030	2.500	.100		.30	24.00			657.
76	2	5	800	35.9	.044	.030	2.500	.120			24.00			665.
76	2	5	1400	34.9	.043	.030	2.500	.170		2.40	24.00			658.
76	2	6	1400	34.3	.052	.020	2.400	.110		1.70	24.00			661.
76	2	7	1400	32.6	.035	.020	2.100	.090			24.00			666.
76	2	8	1400	34.3	.033	.020	2.100	.070			24.00			662.
76	2	9	1400	30.6	.028	.020	2.000	.080			24.00			671.
76	2	10	800	31.1	.037	.020	1.900	.090			24.00			670.
76	2	10	900	31.1	.010	.010	2.000	.190		30.80	27.00			603.
76	2	10	1500	33.1	.011	.010	1.900	.050		72.50	26.00			603.
76	2	10	2100	190.0	.118	.020	1.800	.100		65.00	36.00			555.
76	2	11	300	719.5	.319	.140	3.200	1.000		134.00	22.00			313.
76	2	11	900	864.2	.342	.180	2.500	.430		112.00	19.00			236.
76	2	11	1500	842.7	.361	.180	1.700	.860		110.00	18.00			229.
76	2	11	2100	955.8	.344	.170	2.500	.470		109.00	19.00			228.
76	2	12	300	1017.0	.295	.150	2.200	.500		131.00	21.00			246.
76	2	12	900	882.1	.244	.140	2.500	1.000		106.00	22.00			278.
76	2	12	1500	646.5	.221	.120	2.800	.660		53.90	22.00			306.
76	2	12	2100	406.8	.202	.100	2.800	.270		51.20	21.00			338.
76	2	13	300	344.3	.174	.080	2.800	.230		50.30	20.00			356.
76	2	13	900	346.2	.163	.070	2.800	.260		50.70	20.00			367.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROCKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAM-DATE YE MO DY	TIME HR:MM	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NH-2 NO-3 MG/L	NH-3 MG/L	GRG. 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
76	1	13	1500	374.7	.174	.077	2.600	.300		59.40	20.00			366.
76	1	17	2100	445.0	.217	.050	2.800	.530		113.00	19.00			357.
76	1	14	1500	406.8	.185	.060	2.900	.340		62.60	19.00			356.
76	1	14	1500	724.0	.171	.050	3.000	.170		55.30	20.00			370.
76	1	14	1500	257.6	.150	.050	3.300	.130		50.10	20.00			377.
76	1	14	2100	200.0	.133	.040	3.300	.120		44.60	20.00			389.
76	1	15	1500	169.7	.121	.040	3.300	.110		37.80	20.00			408.
76	1	15	2100	147.0	.104	.030	3.400	1.000		28.70	21.00			429.
76	2	15	1500	141.0	.100	.030	3.400	.200		24.00	22.00			445.
76	2	15	2100	241.4	.156	.030	3.500	.100		85.70	21.00			435.
76	2	16	300	384.5	.204	.020	3.900	.090		118.00	21.00			410.
76	2	16	900	447.0	.196	.030	4.300	.130		102.00	22.00			397.
76	2	16	1400	584.4	.384	.030	4.600	.090		251.00	21.00			378.
76	2	16	2000	1206.0	1.280	.040	4.200	.130		1166.00	17.00			294.
76	2	17	200	1627.0	1.560	.040	3.800	.120		1475.00	14.00			249.
76	2	17	800	2148.0	1.880	.040	3.600	.170		1639.00	14.00			238.
76	2	17	1400	906.0	.590	.030	4.500	.040		516.00	20.00			337.
76	2	17	2000	860.6	.442	.040	4.500	.060		167.00	20.00			338.
76	2	20	200	771.1	.356	.040	4.600	.060		110.00	21.00	1.00	1.00	358.
76	2	20	800	617.7	.320	.04	4.600	.070		217.00	20.00			381.
76	2	20	1400	463.4	.286	.050	4.500	.070		93.70	20.00			399.
76	2	20	2000	365.0	.287	.040	4.400	.060		97.00	20.00			411.
76	2	21	200	292.1	.26	.040	4.400	.080		105.00	20.00			421.
76	2	21	900	260.6	.267	.040	4.300	.060		117.00	21.00			435.
76	2	21	1400	484.6	.458	.040	4.100	.090		184.00	20.00			400.
76	2	21	2000	722.6	.634	.040	3.600	.080		431.00	17.00			341.
76	2	22	200	751.5	.667	.040	3.500	.090		441.00	17.00			331.
76	2	22	800	611.5	.580	.050	3.300	.070		309.00	17.00			312.
76	2	22	1400	550.1	.444	.050	3.300	.100		261.00	18.00			315.
76	2	22	2000	401.4	.344	.050	3.700	.080		224.00	19.00			344.
76	2	22	200	722.6	.281	.050	3.400	.050		108.00	19.00			363.
76	2	22	200	547.1	.243	.050	4.000	.070		93.10	20.00			390.
76	2	22	1500	349.1	.187	.030	4.900	.040		56.00	23.00			389.
76	2	24	1500	194.5	.143	.020	7.700	.040		50.70	23.00			449.
76	2	25	1500	152.3	.134	.020	7.600	.020		56.10	24.00			477.
76	2	26	1500	105.0	.137	.020	7.500	.030		56.40	24.00			496.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE YR MO DY	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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	2	27	1505	81.4	.128	.020	3.400	.040		49.20	24.00			511.
76	2	28	1505	63.0	.131	.020	3.200	.060		39.30	24.00			527.
76	2	29	1505	47.7	.109	.020	3.000	.050		55.90	24.00			542.
76	3	1	930	43.7	.103	.020	2.800	.070		32.10	25.00			553.
76	3	1	930	42.0	.086		2.300			56.00	21.00			560.
76	3	2	930	35.5	.103		2.100			31.10	21.00			572.
76	3	3	930	34.0	.093		2.000			43.80	21.00			581.
76	3	3	1530	31.7	.098		1.900			43.00	21.00			583.
76	3	3	2130	35.2	.104		2.000			39.70	22.00			578.
76	3	4	330	34.6	.342		1.800			53.20	22.00			568.
76	3	4	930	312.4	.753		2.000			256.00	23.00			522.
76	3	4	1530	787.8	.701		2.600			609.00	17.00			347.
76	3	4	2130	832.3	.703		2.700			459.00	16.00			314.
76	3	5	330	938.9	.674		2.600			427.00	15.00			284.
76	3	5	930	1071.8	.602		2.600			294.00	15.00			278.
76	3	5	1530	1126.0	.650		2.400			381.00	13.00			271.
76	3	5	2130	986.2	.661		2.600			382.00	14.00			291.
76	3	6	330	910.0	.741		2.300			422.00	14.00			287.
76	3	6	930	821.9	.632		2.200			323.00	14.00			294.
76	3	6	1530	655.3	.484		2.500			205.00	16.00			328.
76	3	6	2130	402.6	.385		2.700			161.00	16.00			365.
76	3	7	330	308.9	.316		2.700			119.00	16.00			393.
76	3	7	930	248.7	.269		2.800			97.70	17.00			415.
76	3	7	1530	202.1	.241		2.900			93.10	17.00			435.
76	3	7	2130	174.3	.214		2.900			92.10	19.00			454.
76	3	8	1-15	121.2	.144	.011	3.100	.100		33.00	24.00		3.40	487.
76	3	8	1515	90.2	.113	.02	3.000	.100		23.30	25.00		2.30	522.
76	3	1	1515	69.2	.103	.020	2.800	.110		21.60	25.00		1.90	534.
76	3	11	1515	70.5	.077	.017	2.700	.160		14.00	26.00		1.20	546.
76	3	12	1515	69.2	.064	.020	2.500	.130		14.40	28.00		.80	550.
76	3	13	1515	98.6	.084	.020	2.500	.070		36.30	29.00		2.10	545.
76	3	14	1515	91.0	.099	.020	2.700	.380		32.80	30.00		2.20	537.
76	3	15	915	70.5	.081	.050	2.900	.680		14.70	30.00		1.60	537.
76	3	15	1500	66.6	.068		2.800	.130		21.80	24.00		1.40	563.
76	3	15	1500	55.9	.043		2.800	.170		16.70	24.00		.70	577.
76	3	17	1500	52.5	.036		2.600	.090		9.70	26.00		.70	596.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLE DATE	TIME HR	TIME MIN	TIME SEC	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	CRG. 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
76	3	12	1500	42.3	.034		2.500	.070				7.80	27.00		.40	608.
76	3	19	1500	100.2	.057	.010	2.600	.180				21.60	28.00		1.20	590.
76	3	20	1500	85.7	.073		2.600	.090				32.70	26.00		1.80	539.
76	3	21	2100	77.8	.090		2.400	.110				38.80	25.00		1.90	537.
76	3	21	300	220.4	.347		2.500	.150				245.00	25.00		2.10	496.
76	3	21	900	534.2	.886		3.000	.240				492.00	21.00		6.00	390.
76	3	22	1500	287.3	.352	.010	3.600	.110				150.00	19.00			381.
76	3	26	2100	61.2	.126	.030	2.000	.380				64.20	24.00			535.
76	3	27	1500	60.6	.088		2.000	.140				39.10	24.00			541.
76	3	28	1500	95.5	.225		2.300	.070				109.00	24.00			482.
76	3	29	1900	61.8	.121	.010	2.100	.070				53.30	23.00			517.
76	3	29	1530	63.0	.024	.020	2.100	.060				37.80	22.00			502.
76	3	29	1830	61.8	.035	.010	1.900	.010				34.40	23.00			514.
76	3	29	2130	60.0	.036	.010	1.700	.010				39.90	23.00			529.
76	3	30	30	58.2	.028	.010	1.700					34.60	23.00			549.
76	3	30	330	57.1	.026	.010	1.700					26.80	23.00			555.
76	3	31	310	49.2	.050	.010	1.900	.190				58.90	24.00			494.
76	4	2	30	43.3	.048	.020	2.150	.020				35.00	24.00			512.
76	4	5	1430	55.9	.042		1.900	.010				27.80	24.00			560.
76	4	6	1430	44.9	.043		1.700	.020				24.00	23.00			572.
76	4	7	1430	38.4	.039		1.400	.030				24.20	23.00			586.
76	4	8	1430	32.0	.020		1.300	.020				14.10	24.00			583.
76	4	10	1430	24.7	.007		1.100	.010				5.00	24.00			591.
76	4	9	1430	27.5	.007		1.200	.020				4.70	24.00			596.
76	4	11	1430	24.7	.024		1.000	.020				14.00	24.00			581.
76	4	12	1430	22.7	.017		.900	.040				11.50	24.00			566.
76	4	12	1500	22.7	.110	.040	.800	.200				4.40	27.00			585.
76	4	13	1500	20.4	.108	.030	.800	.200				12.20	27.00			580.
76	4	14	1500	20.0	.112	.030	.700	.130				20.60	28.00			605.
76	4	15	1500	19.3	.125	.020	.600	.190				20.40	27.00			614.
76	4	16	1500	17.8	.121	.020	.500	.070				18.90	34.00			613.
76	4	17	1500	14.7	.128	.030	.500	.020				12.90	34.00			633.
76	4	18	1500	15.3	.124	.020	.400	.020				18.90	37.00			625.
76	4	19	900	14.5	.134	.010	.300	.370				22.50	37.00			610.
76	4	19	1440	14.5	.040	.040	.400	.160				19.10	29.00			602.
76	4	20	1440	15.1	.049	.040	.400	.130				15.80	28.00			609.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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 NIT. MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 4 21 1442	15.3	.048	.030	.400	.130				10.70	28.00			623.
76 4 22 1443	18.0	.043	.040	.400	.100				19.60	30.00			658.
76 4 23 1440	19.1	.030	.030	.400	.080				25.60	29.00			656.
76 4 24 1440	17.8	.042	.030	.500	.070				17.30	35.00			657.
76 4 25 1440	28.3	.065	.040	.700	1.000				29.80	32.00			648.
76 4 26 840	32.3	.048	.040	.600	.120				30.70	33.00			630.
76 4 26 1450	32.3	.050	.050	.900	.080				20.10	29.00		1.40	618.
76 4 27 1450	22.4	.050	.040	1.25	.090				8.80	30.00		.85	606.
76 4 28 1450	18.0	.041	.030	1.100	.050				5.60	28.00		.73	605.
76 4 29 1450	15.8	.022	.020	.800	.040				8.50	28.00		.80	614.
76 4 30 1450	14.9	.039	.020	.500	.060				29.00	27.00		1.77	613.
76 5 1 1450	14.3	.059	.010	.350					37.50	28.00		2.36	617.
76 5 2 1450	14.0	.047	.020	.350	.020				21.30	27.00		1.58	624.
76 5 3 840	14.5	.045	.020	.350	.010				22.30	30.00		1.53	648.
76 5 3 1445	14.5	.063	.030	.500	.450				18.60	30.00			637.
76 5 4 1445	13.8	.130	.130	.600	.580				7.80	34.00			643.
76 5 5 1445	11.9	.063	.050	.500	.320				23.90	31.00			640.
76 5 6 1445	11.6	.096	.090	.700	.280				34.00	33.00			658.
76 5 7 1445	15.3	.094	.060	.600	.350				39.80	35.00			665.
76 5 8 1445	19.3	.064	.050	.500	.240				19.00	32.00			663.
76 5 9 1445	14.0	.071	.030	.600	.160				25.10	31.00			656.
76 5 10 845	13.1	.097	.070	.700	.180				35.70	34.00			652.
76 5 11 1450	12.7	.079		1.100	1.000				30.80	32.00			645.
76 5 11 1450	11.9	.100		1.000	1.000				40.80	31.00			645.
76 5 12 1450	9.8	.094	.020	.800	.230				39.20	31.00			643.
76 5 13 1450	10.9	.150	.150	.700	1.000				43.50	31.00			649.
76 5 14 1450	9.8	.101		.600	.290				43.00	31.00			660.
76 5 15 1450	10.3	.138		.500	.570				77.60	34.00			674.
76 5 16 1450	10.6	.104		.500	1.000				48.30	34.00			685.
76 5 17 850	10.7	.122		.600	1.000				58.80	32.00			662.
76 5 17 1449	10.6	.138	.040	.700	.030				65.40	33.00			685.
76 5 17 2040	13.4	.183	.080	.700	.200				101.00	35.00			639.
76 5 18 240	28.9	.185	.040	1.100	.070				97.10	37.00			605.
76 5 18 840	71.1	.223	.040	2.900	.030				141.00	31.00			619.
76 5 18 1440	128.5	.260	.050	5.200	.070				177.00	31.00			648.
76 5 18 2040	118.5	.485	.080	13.500	.370				319.00	34.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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 KJEL MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COMO 25C. UMHO
76 5 19 040	69.2	.265	.090	14.800	.310				110.00	33.00			589.
76 5 19 1440	48.1	.229	.050	14.600	.090				79.00	32.00			590.
76 5 20 1440	23.9	.153	.020	14.400	.100				55.40	35.00			636.
76 5 21 1440	20.0	.137	.010	11.200	.110				69.60	33.00			659.
76 5 22 1440	14.5	.124	.010	7.500	.010				60.80	31.00			660.
76 5 23 1440	12.6	.126	.010	4.600	.030				66.90	31.00			664.
76 5 24 040	11.2	.122	.030	3.400	.110				70.30	39.00			671.
76 5 24 1600	11.2	.120	.030		.050				59.60	30.00			670.
76 5 25 1600	11.0	.104	.020		.090				55.90	30.00			671.
76 5 26 1600	10.6	.093	.020		.070				46.90	30.00			673.
76 5 27 1600	10.0	.092	.010		.080				67.50	30.00			671.
76 5 28 1600	9.1	.114	.010		.070				71.00	29.00			674.
76 5 29 1600	8.6	.105	.010		.050				59.60	29.00			677.
76 5 29 2200	14.5	.725	.050		.070				607.00	28.00			533.
76 5 30 400	33.1	2.000	.030		.170				2496.00	20.00			419.
76 5 30 1000	17.0	1.190	.060		.340				987.00	24.00			473.
76 5 30 1600	14.7	.526	.020		.150				409.00	26.00			517.
76 5 30 2200	12.9	.359	.020		.070				274.00	28.00			591.
76 5 31 400	80.6	2.000	.020		.270				5614.00	14.00			262.
76 5 31 1000	49.7	.889	.030		.130				841.00	23.00			461.
76 5 31 1550	40.0	.314	.060	13.000	.020				247.00	27.00			561.
76 5 31 2150	34.0	.297	.060	12.700	.020				234.00	30.00			689.
76 6 1 350	37.7	.249	.050	12.100	.020				186.00	30.00			635.
76 6 1 950	69.8	.825	.030	11.200	.020				689.00	26.00			523.
76 6 1 1550	83.5	.244	.050	14.500	.030				149.00	30.00			623.
76 6 1 2150	93.2	.202	.030	16.000	.030				133.00	32.00			662.
76 6 2 350	93.2	.173	.030	15.700	.020				96.00	33.00			668.
76 6 2 950	97.9	.198	.050	14.600	.020				109.00	32.00			666.
76 6 2 1550	91.0	.180	.040	13.200	.030				105.00	33.00			661.
76 6 2 2150	81.4	.178	.040	14.900	.030				90.00	35.00			687.
76 6 3 350	64.8	.161	.040	17.200	.040				74.10	35.00			711.
76 6 3 950	49.7	.162	.030	17.300	.050				82.40	35.00			720.
76 6 3 1550	40.0	.148	.020	16.700	.040				76.70	35.00			726.
76 6 3 2150	33.4	.153	.020	17.200	.050				95.60	36.00			732.
76 6 4 350	25.8	.181	.020	17.000	.090				120.00	36.00			731.
76 6 4 950	25.3	.173	.020	16.500	.040				120.00	36.00			736.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	TIME 24.0 HR	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 4 1950	22.4	.172	.020	15.700	.090				129.00	36.00			732.
76	6 4 2150	20.2	.187	.020	14.700	.040				174.00	35.00			730.
76	6 5 350	18.4	.219	.020	13.800	.040				153.00	35.00			727.
76	6 5 950	17.2	.203	.010	12.900	.030				126.00	35.00			722.
76	6 5 1550	16.2	.174	.010	12.200	.030				123.00	34.00			724.
76	6 5 2150	15.3	.167	.010	11.400	.030				97.00	34.00			723.
76	6 6 350	14.3	.158	.010	11.100	.030				127.00	34.00			719.
76	6 6 950	13.6	.172	.010	9.000	.030				95.10	34.00			716.
76	6 6 1550	13.1	.145		9.300	.020				163.00	33.00			715.
76	6 6 2150	13.1	.211		8.300	.010				286.00	33.00			720.
76	6 7 350	12.9	.306		7.300	.010				112.00	33.00			725.
76	6 7 950	12.3	.159		6.800	.010				85.50	32.00			711.
76	6 7 1445	12.1	.144	.020	6.300	1.040				90.20	32.00			704.
76	6 7 2045	11.8	.141	.020	5.500	.150				101.00	32.00			708.
76	6 8 245	11.6	.147	.020	5.300	.330				108.00	32.00			706.
76	6 8 845	9.8	.153	.030	4.800	.040				113.00	32.00			699.
76	6 8 1445	11.0	.135	.030	4.400	.100				99.30	31.00			700.
76	6 8 2045	10.7	.130	.030	3.900	.880				92.70	31.00			704.
76	6 9 245	10.7	.162	.030	3.600	.060				135.00	31.00			707.
76	6 9 845	10.4	.124	.030	3.300	.070				108.00	31.00			711.
76	6 9 1445	9.8	.138	.030	3.100	.040				87.00	31.00			708.
76	6 9 2045	9.8	.138	.030	2.700	.540				89.60	31.00			708.
76	6 10 245	9.4	.149	.030	2.500	.040				98.90	31.00			716.
76	6 10 845	9.3	.150	.030	2.300	.060				99.20	32.00			724.
76	6 11 1445	9.0	.143	.040	2.100	.070				84.30	31.00			716.
76	6 11 1445	8.1	.154	.030	1.400	.090				82.30	30.00			728.
76	6 12 1445	8.0	.163	.020	.900	.100				86.70	30.00			730.
76	6 13 1445	6.1	.194	.010	.200	.080				99.00	30.00			710.
76	6 14 845	7.0	.162	.010	.200	.090				39.70	30.00			713.
76	6 14 1445	6.8	.360	.060	.700	.040				67.80	27.00		1.00	643.
76	6 15 1445	6.8	.360	.070	.700	.050				62.70	27.00		1.00	652.
76	6 16 1445	6.7	.361	.080	.700	.060				69.90	27.00		2.00	631.
76	6 17 1445	7.8	.360	.070	.600	.040				38.40	27.00		1.00	643.
76	6 18 1445	7.3	.359	.050	.400	.080				40.00	27.00		1.00	647.
76	6 19 1445	27.5	.364	.050	4.100	.060				224.00	26.00		2.00	592.
76	6 20 1445	114.2	.370	.080	17.100	.140				253.00	32.00		5.00	633.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

CAMP. DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NO-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	HR	CFS	PHOS.	PHOS.	NO-3	NO-3	NIT.	KJELD	MG/L	MG/L	MG/L	MG/L	MG/L	UMMO
MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMMO
76	6	20	2048	133.2	.369	.080	17.400	.060		247.00	30.00		4.00	621.
76	6	21	248	104.2	.368	.070	20.000	.100		134.00	30.00		3.00	643.
76	6	21	PAR	66.0	.368	.060	20.000	.090		244.00	29.00		2.00	633.
76	6	21	1450	48.6	.239	.040	20.000	.030		175.00	34.30			672.
76	6	21	2050	37.1	.209	.030	20.000	.040		144.00	35.00			696.
76	6	22	250	30.8	.181	.040	20.000	.020		125.00	36.00			709.
76	6	22	850	26.4	.201	.090	20.000			149.00	36.00			722.
76	6	22	1450	22.9	.180	.030	20.000	.020		127.00	35.00			728.
76	6	22	2050	20.4	.185	.030	20.000	.030		133.00	35.00			727.
76	6	23	250	18.0	.161	.030	20.000	.050		113.00	34.00			728.
76	6	23	850	16.2	.173	.020	18.800			124.00	34.00			730.
76	6	23	1450	15.3	.171	.020	18.100			122.00	34.00			726.
76	6	23	2050	14.7	.153	.030	17.200	.040		109.00	35.00			728.
76	6	24	250	14.3	.147	.040	15.900	.020		101.00	34.00			726.
76	6	24	850	13.1	.183	.030	14.800	.020		113.00	34.00			719.
76	6	24	1450	13.3	.180	.010	13.400			132.00	34.00			700.
76	6	24	2050	21.6	.340	.020	10.300			293.00	34.00			654.
76	6	25	250	40.7	.422	.040	11.100	.020		352.00	29.00			598.
76	6	25	850	60.6	.390	.040	13.200	.050		329.00	30.00			617.
76	6	25	1450	73.8	.330	.030	11.400	.070		265.00	28.00			625.
76	6	25	2050	78.5	.320	.050	12.800	.030		225.00	31.00			630.
76	6	25	250	70.5	.339	.090	15.200			211.00	32.00			633.
76	6	26	850	54.7	.320	.060	14.500	.070		214.00	31.00			639.
76	6	26	1450	41.6	.263	.030	15.500			176.00	30.00			636.
76	6	26	2050	33.1	.221	.030	16.400	.010		142.00	31.00			643.
76	6	27	250	26.6	.192	.020	16.800	.030		132.00	32.00			645.
76	6	27	850	22.0	.214	.030	16.700	.060		160.00	34.00			688.
76	6	27	1450	13.8	.187	.030	16.300	.030		145.00	34.00			699.
76	6	27	2050	18.6	.173	.010	15.600			116.00	34.00			705.
76	6	28	250	16.0		.020	15.200			143.00	35.00			714.
76	6	28	850	14.4	.150	.030	14.600	.020		104.00	35.00			711.
76	6	28	1420	14.0	.201	.060	10.500	.010		119.00	35.00		3.70	699.
76	6	29	220	14.3	.164	.060	10.600	.020		93.30	35.00		3.30	702.
76	6	29	1420	12.4	.173	.050	10.400	.040		80.30	35.00		3.00	705.
76	6	30	220	12.6	.207	.060	8.700	.040		134.00	33.00		3.80	694.
76	6	30	1420	13.1	.168	.050	6.600	.040		82.80	33.00		2.80	697.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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
YR	MO	DAY	HRS.											
76	7	1	220	15.1	.167	.050	5.400	.060						
76	7	1	1420	25.3	.188	.050	4.400	.070		96.70	32.00		2.80	696.
76	7	2	220	23.1	.179	.040	3.800	.080		124.00	33.00		3.40	700.
76	7	2	1420	19.8	.169	.050	3.700	.060		106.00	32.00		3.20	679.
76	7	3	220	16.0	.156	.050	5.000	.040		82.60	31.00		2.70	652.
76	7	3	1420	13.8	.178	.040	6.400	.020		73.40	28.00		2.60	591.
76	7	4	220	12.6	.161	.030	6.600	.070		92.00	29.00		2.80	584.
76	7	4	1420	12.6	.172	.040	6.500	.010		87.30	31.00		2.60	610.
76	7	5	220	10.1	.172	.040	5.900	.020		91.70	31.00		2.90	629.
76	7	5	820	9.6	.163	.040	5.600	.030		97.20	31.00		2.90	645.
76	7	5	1439	9.4	.188	.060	6.000	.020		83.90	32.00		2.80	653.
76	7	6	100	9.7	.171	.050	5.700	.030		77.10	31.00			646.
76	7	6	1300	8.5	.150	.050	5.400	.030		83.70	31.00			648.
76	7	7	100	8.1	.146	.050	4.800	.030		81.30	31.00			657.
76	7	7	1300	10.1	.151	.040	4.300	.030		76.30	30.00			660.
76	7	8	100	42.6	.149	.040	4.100	.030		87.70	31.00			671.
76	7	8	1300	421.3	.148	.030	3.100	.040		81.30	31.00			674.
76	7	8	1900	384.5	.254	.040	3.700	.040		80.40	33.00			663.
76	7	9	100	447.3	.209	.040	3.200	.050		177.00	32.00			674.
76	7	9	700	447.3	1.410	.030	2.200	.080		144.00	32.00			690.
76	7	9	1300	324.6	1.770	.030	4.400	.140		1806.00	24.00			469.
76	7	9	1900	211.2	1.580	.030	5.700	.110		2390.00	11.00			291.
76	7	10	100	123.9	1.250	.050	6.100	.080		1681.00	10.00			305.
76	7	10	700	94.0	1.360	.050	6.700	.080		1064.00	11.00			318.
76	7	12	1527	13.6	.207	.090	3.800			1313.00	13.00			334.
76	7	13	230	13.4	.159	.090	3.700			82.50				617.
76	7	13	1430	11.6	.145	.090	3.500			45.10				622.
76	7	14	230	11.9	.145	.090	3.200			37.60				618.
76	7	14	1430	10.6	.141	.100	2.500			40.30				623.
76	7	15	230	9.7	.148	.080	2.400			45.80				652.
76	7	15	1430	9.4	.160	.080	2.200			41.70				651.
76	7	16	230	8.9	.162	.080	2.000			62.00				665.
76	7	16	1430	8.9	.170	.090	1.800							662.
76	7	17	230	9.4	.135	.070	1.800			103.00				670.
76	7	17	1430	9.3	.132	.080	1.600			68.60				674.
76	7	18	230	10.1	.149	.070	1.500			58.60				679.
										85.00				690.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	TIME 2400 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	7 18 1430	10.1	.130	.070	1.400					61.60				693.
76	7 19 230	8.5	.126	.050	1.200					56.40				681.
76	7 19 830	9.6	.139	.040	1.000					68.50				686.
76	7 19 1900	10.0	.192	.060	.800	.190				91.80	29.00			673.
76	7 20 100	9.6	.158	.060	.800	.220				80.50	30.00			683.
76	7 20 700	9.6	.154	.050	.800	.140				83.40	29.00			686.
76	7 20 1300	9.6	.143	.060	.800	.120				84.00	29.00			696.
76	7 20 1900	9.6	.147	.050	.900	.070				75.90	28.00			702.
76	7 21 100	7.8	.138	.050	.800	.100				73.80	28.00			697.
76	7 21 700	7.8	.140	.050	.700	.120				77.80	27.00			692.
76	7 23 1300	16.8		.050	.470	.090					25.00			573.
76	7 23 1600	20.0		.060	.980	.150					21.00			506.
76	7 23 1900	27.8		.080	1.630	.100					19.00			469.
76	7 23 2200	30.3		.070	1.660	.090					20.00			484.
76	7 24 100	29.4		.080	1.410	.090					21.00			527.
76	7 24 400	29.4		.060	1.280	.070					24.00			556.
76	7 24 700	39.6		.020	.620	.020					22.00			523.
76	7 24 1600	310.6		.020	1.210	.170					21.00			526.
76	7 24 1300	552.3		.020	.990	.150					22.00			529.
76	7 24 1600	518.9		.020	.900	.110					21.00			527.
76	7 24 1900	404.7		.020	.880	.060					21.00			538.
76	7 24 2200	331.7		.020	.910	.030					22.00			550.
76	7 25 100	284.1		.020	.870	.360					21.00			547.
76	7 25 400	257.6		.020	.870	.110					19.00			494.
76	7 25 700	228.7		.020	.890	.060					17.00			451.
76	7 25 1000	198.3		.020	1.010	.060					16.00			449.
76	7 25 1300	161.9		.020	1.160	.050					16.00			434.
76	7 25 1600	136.1		.030	1.340	.080					15.00			420.
76	7 25 1900	111.6		.030	1.510	.050					15.00			406.
76	7 25 2200	93.2		.030	1.620	.040					15.00			392.
76	7 26 100	74.4		.020	1.610	.110					16.00			394.
76	7 26 400	64.2		.020	1.610	.050					16.00			394.
76	7 26 700	51.9		.020	1.620	.040					16.00			390.
76	7 26 1000	43.0		.010	1.610	.040					15.00			383.
76	7 26 1300	33.7		.010	1.610	.050					16.00			380.
76	7 26 1545	32.3	.237	.140	2.700	.010				120.00	18.00			425.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING TIME DATE YR MO DY	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	7 26 2145	26.9	.204	.140	2.700	.030				98.10	19.00			440.
76	7 27 345	25.3	.180	.150	2.600	.020				79.90	20.00			467.
76	7 27 945	23.6	.185	.140	2.500	.020				87.80	20.00			470.
76	7 27 1545	18.2	.212	.140	2.300	.010				121.00	21.00			492.
76	7 27 2145	18.0	.192	.130	2.300	.020				106.00	21.00			499.
76	7 28 345	17.0	.181	.130	2.200	.040				93.70	21.00			507.
76	7 28 945	15.7	.150	.120	2.100	.040				63.20	22.00			516.
76	7 28 1545	14.5	.175	.120	2.000	.030				91.00	22.00			543.
76	7 28 2145	13.8	.163	.140	1.900	.050				82.00	22.00			538.
76	7 29 345	13.8	.154	.120	1.900	.020				72.10	22.00			545.
76	7 29 945	12.9	.151	.120	1.800	.040				58.70	23.00			559.
76	7 29 1545	12.6	.157	.120	1.800	.030				71.10	24.00			568.
76	7 29 2145	11.9	.144	.120	1.700	.040				75.70	24.00			576.
76	7 30 345	12.1	.158	.130	1.700	.050				69.20	25.00			580.
76	7 30 945	11.5	.167	.130	1.600	.030				88.40	24.00			586.
76	7 30 1545	11.0	.152	.130	1.600	.050				72.20	25.00			594.
76	7 30 2145	10.7	.147	.120	1.500	.040				68.00	26.00			598.
76	7 31 345	10.1	.143	.130	1.500	.030				63.80	26.00			600.
76	7 31 945	9.1	.156	.120	1.500	.080				74.50	26.00			602.
76	7 31 1545	8.9	.156	.120	1.400	.190				76.60	25.00			614.
76	7 31 2145	8.7	.144	.120	1.500	.050				61.30	25.00			622.
76	8 1 345	8.7	.144	.120	1.500	.050				70.50	26.00			631.
76	8 1 945	8.7	.141	.130	1.500	.020				65.00	26.00			641.
76	8 1 1545	8.7	.143	.110	1.400	.020				64.30	26.00			648.
76	8 1 2145	8.7	.138	.110	1.300	.010				67.00	26.00			643.
76	8 2 345	8.7	.130	.100	1.300	.020				65.70	26.00			641.
76	8 2 945	8.6	.137	.110	1.300	.010				68.20	27.00			647.
76	8 2 1900	7.0	.135	.090	.800	.060				48.20	32.00			640.
76	8 3 100	7.0	.133	.090	.900	.060				58.10	33.00			645.
76	8 3 700	7.0	.130	.090	.900	.060				60.00	33.00			643.
76	8 3 1300	7.0	.125	.090	.800	.040				50.40	33.00			642.
76	8 3 1900	7.6	.114	.090	.900	.050				35.40	33.00			643.
76	8 4 100	7.6	.114	.080	.900	.050				46.50	33.00			644.
76	8 4 700	7.6	.123	.110	.800	.040				55.00	33.00			640.
76	8 4 1300	7.3	.152	.090	.800	.060				78.80	33.00			639.
76	8 4 1900	5.9	.137	.090	.800	.030				65.70	33.00			642.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOK RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING TIME DATE 24:00 YR MO DY 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 RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 A 5 100	5.9	.134	.090	.800	.040				69.10	33.00			652.
76 A 5 700	5.9	.126	.080	.900	.150				57.70	33.00			653.
76 A 5 1300	5.9	.112	.080	.900	.360				43.80	33.00			655.
76 A 5 1900	5.7	.117	.070	.900	.050				52.80	33.00			658.
76 A 6 100	5.5	.117	.080	.800	.070				46.00	33.00			657.
76 A 6 700	5.5	.131	.070	.900	.060				62.80	33.00			653.
76 A 6 1300	5.5	.126	.070	.800	.100				50.60	33.00			653.
76 A 6 1900	5.5	.140	.070	.800	.080				80.60	34.00			652.
76 A 7 100	5.5	.114	.080	.800	.100				40.20	33.00			656.
76 A 7 700	6.5	.102	.070	.800	.080				34.90	33.00			664.
76 A 7 1300	8.7	.129	.080	.700	.080				59.80	33.00			665.
76 A 7 1900	15.7	.129	.070	.700	.060				65.20	33.00			646.
76 A 8 100	24.7	.125	.070	.700	.050				63.80	33.00			643.
76 A 8 700	53.0	.114	.060	.600	.060				50.20	33.00			642.
76 A 8 1300	44.5	.105	.070	.700	.060				39.80	33.00			642.
76 A 8 1900	36.8	.117	.070	.700	.080				40.60	33.00			643.
76 A 9 100	30.8	.133	.070	.700	.080				57.00	33.00			647.
76 A 9 700	23.6	.137	.070	.700	.070				59.40	33.00			651.
76 A 9 1300	18.8	.141	.070	.700	.070				63.10	33.00			648.
76 A 9 1900	16.0	.214	.100	1.700	.080				77.30	25.00			509.
76 A 10 700	12.6	.164	.110	1.800	.050				45.60	26.00			511.
76 A 10 1300	11.0	.187	.120	1.700	.050				57.30	26.00			521.
76 A 10 1900	11.0	.158	.100	1.700	.040				69.40	27.00			534.
76 A 11 700	9.1	.174	.100	1.600	.050				72.50	29.00			544.
76 A 11 1300	8.5	.174	.100	1.600	.050				64.80	30.00			544.
76 A 11 1900	8.1	.184	.090	1.600	.070				53.00	31.00			560.
76 A 12 700	7.0	.179	.090	1.500	.060				75.40	31.00			575.
76 A 12 1300	8.7	.153	.090	1.300	.100				58.40	31.00			585.
76 A 12 1900	8.7	.163	.080	1.300	.070				79.90	30.00			592.
76 A 1 700	10.6	.173	.080	1.200	.090				84.90	29.00			611.
76 A 1 1300	10.6	.143	.070	1.100	.070				63.40	32.00			620.
76 A 1 1900	10.6	.142	.070	1.000	.060				58.90	30.00			622.
76 A 2 700	9.6	.132	.060	.900	.070				43.40	30.00			628.
76 A 2 1300	8.9	.142	.050	.800	.080				72.00	30.00			643.
76 A 2 1900	7.5	.135	.130	.900	.050				83.90	34.00			639.
76 A 3 1300	6.1	.115	.110	.900	.050				33.30	35.00			658.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
DATE 2400	CFS	PHOS.	PHOS.	NO-3		NIT.	KJELD		SOLIDS	RIDE			25C.
YR MO DY HRS.		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 19 1300	6.1	.134	.100	.700	.060				41.00	36.00			666.
76 8 20 1300	7.1	.115	.090	.700	.070				26.00	36.00			661.
76 8 21 1300	6.2	.105	.070	.600	.030				19.40	35.00			663.
76 8 22 1300	5.9	.101	.070	.500	.020				13.30	35.00			685.
76 8 23 1300	6.1	.094	.070	.500	.040				24.10	35.00			685.
76 8 23 1448	6.1	.104	.100	.500	.080				35.20	35.00			662.
76 8 23 2048	6.0	.099	.070	.400	.040				45.20	34.00			666.
76 8 24 248	5.5	.115	.080	.400	.070				60.30	33.00			670.
76 8 24 848	5.1	.104	.080	.400	.310				42.80	33.00			676.
76 8 24 1448	5.1	.080	.080	.400	.070				33.40	33.00			672.
76 8 24 2048	5.1	.085	.070	.400	.040				39.40	33.00			673.
76 8 25 248	5.1	.090	.070	.400	.040				62.90	33.00			674.
76 8 25 848	5.1	.092	.080	.300	.030				44.80	33.00			681.
76 8 25 1445	5.1	.080	.080	.400	.030				31.20	33.00			682.
76 8 25 2048	5.1	.100	.100	.400	.040				35.30	33.00			685.
76 8 26 248	5.1	.091	.070	.400	.030				53.20	33.00			689.
76 8 26 848	5.5	.104	.090	.400	.050				51.50	33.00			685.
76 8 26 1448	6.1	.104	.090	.300	.040				41.00	33.00			689.
76 8 31 1420	5.1	.147	.052	.170	.089				48.60	33.70			739.
76 9 1 1420	5.2	.100	.056	.180	.061					31.00			745.
76 9 2 1420	6.2	.101	.056	.190	.057				66.00	32.20			756.
76 9 3 1420	4.8	.085	.050	.200	.055				10.10	32.10			758.
76 9 4 1420	4.8	.084	.045	.200	.017				13.80	32.30			757.
76 9 5 1420	4.5	.084	.039	.230	.112				12.10	33.50			757.
76 9 6 1420	4.5	.083	.048	.250	.020				5.40	34.10			748.
76 9 6 1445	4.5	.077	.077	.330	.055				22.50	34.10		.78	748.
76 9 7 1445	3.7	.067	.066	.300	.059				23.90	34.90		.68	738.
76 9 8 1445	4.3	.062	.054	.370	.055				17.50	35.00		.49	733.
76 9 9 1445	4.1	.077	.051	.380	.027				29.60	35.40		.84	732.
76 9 10 1445	6.8	.140	.059	.310	.044				63.80	41.40		1.58	702.
76 9 11 1445	5.0	.083	.045	.190	.035				27.10	34.80		.88	722.
76 9 12 1445	4.3	.054	.038	.180	.014				16.10	34.40		.58	701.
76 9 13 845	4.3	.069	.039	.180	.022				34.20	34.10		1.12	718.
76 9 13 1435	4.2	.092	.064	.270	.040				24.40	32.40			727.
76 9 14 1435	3.9	.077	.056	.240	.040				23.90	31.60			744.
76 9 15 1435	4.0	.082	.046	.220	.036				27.10	30.90			752.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	HRS.	CFS	PHOS.	PHOS.	NO-3	MG/L	NIT.	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	25C.
			MG/L	MG/L	MG/L		MG/L	MG/L		MG/L	MG/L			UMHO
76	9	16	1435	4.0	.091	.048	.210	.029		30.00	31.50			768.
76	9	17	1435	5.0	.101	.057	.170	.056		39.60	29.70			737.
76	9	18	1435	4.7	.089	.059	.170	.054		22.80	32.40			749.
76	9	19	1435	4.6	.068	.052	.130	.022		12.70	30.20			753.
76	9	20	835	4.3	.085	.054	.140	.019		28.10	30.20			744.
76	9	20	1600	4.3	.084	.054	.290	.085		16.20	30.80			727.
76	9	21	1600	4.4	.079	.050	.210	.022		10.00	31.20			724.
76	9	22	1600	4.0	.071	.040	.190	.067		12.10	31.20			727.
76	9	23	1600	5.0	.074	.041	.170	.018		12.00	30.80			731.
76	9	24	1600	4.4	.067	.037	.140	.027		11.50	29.80			746.
76	9	25	1600	4.0	.065	.028	.130			9.70	29.30			750.
76	9	26	1600	3.9	.070	.021	.130	.001		13.10	28.40			730.
76	9	27	1090	7.1	.106	.040	.200	.057		28.80	36.20			734.
76	9	27	1445	9.4	.187	.064	.340	.058		92.90	32.70			781.
76	9	27	2045	10.3	.135	.056	.410	.035		71.30	31.60			715.
76	9	28	245	10.4	.176	.062	.390	.052		110.00	32.40			694.
76	9	28	845	10.4	.123	.048	.310	.042		67.20	32.60			693.
76	9	28	1445	11.2	.107	.042	.260	.078		54.30	34.10			718.
76	9	28	2045	11.8	.097	.038	.210	.044		56.60	32.80			746.
76	9	29	245	11.9	.076	.050	.240	.052		44.50	31.30			770.
76	9	29	845	11.0	.068	.052	.270	.030		30.70	30.90			770.
76	9	29	1445	9.4	.057	.053	.330	.068		19.40	32.60			750.
76	9	30	1445	6.9	.065	.050	.580	.067		15.10	36.20			669.
76	10	1	1445	2.7	.071	.043	.640	.048		17.60	39.70			667.
76	10	2	1445	2.2	.073	.032	.590	.038		20.00	39.40			670.
76	10	3	1445	2.2	.068	.034	.650	.018		17.80	39.80			674.
76	10	4	845	2.2	.070	.051	.570	.017		23.10	38.60			675.
76	10	4	1535	2.0	.072	.021	.680	.069		29.00	41.50			688.
76	10	5	1535	2.0	.066	.022	.410	.080		19.70	41.80			681.
76	10	6	1535	2.0	.098	.015	.270	.115		17.70	41.50			674.
76	10	7	1535	2.2	.066	.018	.130	.118		21.20	40.80			691.
76	10	8	1535	2.3	.057	.016	.070	.091		10.20	40.70			696.
76	10	9	1535	2.3	.053	.022	.110	.047		7.10	38.80			695.
76	10	10	1535	2.7	.058	.024	.120	.033		6.80	41.10			770.
76	10	11	935	3.0	.050	.019	.110	.043		8.90	38.20			728.
76	10	19	100	2.8	.079	.022		.045		17.90	39.00			812.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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	S102 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	HRS.											
76	10	19	1900	2.8	.050	.019				7.50	39.20			807.
76	10	20	1900	3.1	.054	.054				5.60	40.50			795.
76	10	21	1900	4.5	.061	.033				8.50	44.50			795.
76	10	22	1900	5.2	.042	.031				6.70	40.60			782.
76	10	23	1900	3.9	.035	.026				4.80	40.90			790.
76	10	24	1900	4.5	.036	.023				9.70	41.80			814.
76	10	25	1300	5.2	.041	.018				11.60	40.30			817.
76	10	25	1900	5.2	.054	.019	.070	.050		12.10	30.50	7.44		820.
76	10	26	1900	6.3	.050	.019	.070	.080		7.70	31.40	7.58		834.
76	10	27	1900	5.9	.042	.017	.060	.024		4.50	33.00	6.85		809.
76	10	28	1900	4.9	.040	.005	.070	.075		3.80	36.50	7.20		826.
76	10	29	1900	3.6	.040	.001	.150	.018		3.20	38.70	6.96		831.
76	10	30	1900	3.4	.041	.007	.190	.007		2.70	37.30	6.71		806.
76	10	31	1900	3.3	.040	.010	.220	.003		3.30	39.90	6.91		788.
76	11	1	1300	3.5	.043	.010	.200	.028		3.20	39.30	6.51		774.
76	11	2	1300	4.5	.032	.016	.250	.040		7.00	38.20	6.59		764.
76	11	3	1300	4.0	.040	.016	.240	.022		3.00	38.40	6.65		786.
76	11	4	1300	4.5	.031	.024	.170	.021		7.00	37.90	5.97		791.
76	11	5	1300	4.4	.028	.020	.160	.012		6.70	38.80	5.90		788.
76	11	6	1300	4.2	.029	.007	.190	.035		4.70	42.30	6.00		765.
76	11	7	1300	3.8	.029		.150	.037		4.60	43.40	4.80		758.
76	11	8	1300	3.4	.028	.008	.140	.013		5.20	44.00	4.70		755.
76	11	9	1900	3.4	.043	.017	.150	.022		3.40	44.80	3.83		738.
76	11	9	1900	3.2	.015	.011	.120	.013		2.80	41.70	3.79		748.
76	11	10	1900	3.1	.013	.010	.100	.017		3.90	39.10	3.38		739.
76	11	11	1900	3.0	.013	.007	.090	.018		2.40	37.60	3.86		744.
76	11	12	1900	3.1	.014	.010	.070	.020		2.20	36.80	3.11		734.
76	11	13	1900	3.2	.012	.010	.070	.033		2.10	36.70	2.78		737.
76	11	14	1900	3.3	.014	.006	.070	.013		4.10	37.50	2.53		748.
76	11	15	1300	3.3	.013	.008	.070	.009		4.70	38.00	3.07		757.
76	11	15	1900	3.3	.025	.018	.070	.019		3.10	37.80			763.
76	11	16	1900	3.3	.032	.016	.070	.027		4.10	38.40			767.
76	11	17	1300	3.8	.024	.017	.070	.046		4.40	38.60			774.
76	11	22	1900	2.7	.025	.025	.120	.002		74.90	50.10	3.15		
76	11	23	1900	2.5	.127	.026	.130	.003		7.50	47.40	2.64		755.
76	11	24	1900	2.3	.241	.054	.080			6.80	88.90	2.85		982.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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	COO MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	11 25 1900	2.1	.084	.027	.040					5.20	54.40	3.78		844.
76	11 26 1900	2.0	.052	.029	.030	.006				7.60	44.20	1.81		983.
76	11 27 1900	1.8	.036	.019	.030	.006				7.80	50.20	3.71		781.
76	11 28 1900	1.8	.034	.012		.008				4.80	38.90	3.21		746.
76	11 29 1300	1.7	.024	.008		.008				4.80	36.40	5.19		740.
76	12 7 1300	1.6	.020	.006	.120	.010		.383		12.00	38.90	2.53		859.
76	12 8 1300	1.7	.021	.007	.100	.017		.653		7.80	47.20	3.10		894.
76	12 9 1300	1.7	.023	.005	.090	.036		.375		8.80	42.60	2.51		875.
76	12 10 1300	1.8	.021	.004	.060	.023		.451		8.10	42.90	2.67		886.
76	12 11 1300	1.9	.022	.005	.080	.032		.524		8.50	43.60	2.78		908.
76	12 12 1300	2.0	.023	.002	.080	.023		.650		4.70	43.20	2.95		887.
76	12 13 1300	2.2	.020	.003	.070	.026		.375		4.50	39.40	1.89		846.
76	12 14 700	2.2	.018	.003	.070	.023		.400		5.80	37.30	2.30		883.
76	12 14 1300	2.3	.005	.005	.050	.059		.200		5.00	39.20	1.40	.30	868.
76	12 15 1300	2.5	.006	.006	.050	.037		.200		5.00	38.60	1.40	.30	868.
76	12 16 1300	2.6	.002		.030	.028		.200		6.60	40.30	1.40	.20	896.
76	12 17 1300	2.7	.003	.001	.050	.107		.200		4.20	40.90	1.50	.30	893.
76	12 18 1300	2.8	.003	.003	.060	.170		.100		3.70	41.50	1.30	.30	886.
76	12 19 1300	2.9	.004	.004	.050	.251		.100		3.10	41.60	1.30	.20	884.
76	12 20 700	3.0	.004		.080	.075		.200		4.70	40.80	1.30	.30	862.
76	12 20 1300	3.0	.029	.001	.110	.035		.600		2.10	43.90	3.20		856.
76	12 21 1300	3.2	.025		.140	.026		.600		2.90	54.20	2.80		845.
76	12 22 1300	3.1	.017		.110	.040		.600		4.50	43.40	3.30		770.
76	12 23 1300	3.1	.020		.080	.048		.600		2.10	45.80	2.70		848.
76	12 24 1300	3.1	.028		.070	.023		.600		6.60	49.40	2.20		909.
76	12 25 1300	3.1	.019		.090	.026		.700		5.40	47.90	2.50		897.
76	12 26 1300	3.1	.019		.100	.035		.700		3.50	45.90	4.30		908.
76	12 27 700	3.1	.019		.100	.026		.600		4.50	44.80	2.60		888.
76	12 26 1900	3.1	.017	.003	.130	.037		.100		5.90	43.70	2.50		866.
76	12 27 1900	3.1	.014	.006	.130	.025		.200		3.80	44.50	2.60		904.
77	1 2 1900	3.0	.022	.008	.180	.040		.208		11.60	45.10	5.23		895.
77	1 3 1300	2.9	.014	.006	.190	.017		.259		5.50	43.90	3.11		899.
77	1 3 1900	2.9	.322	.321	.160	.070				6.90	40.10			829.
77	1 4 1900	2.9	.020	.020	.150	.036				3.30	39.90			856.
77	1 5 1900	2.8		.011	.170	.047				6.20	39.90			859.
77	1 6 1900	2.8		.012	.170	.037				5.60	40.10			862.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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
YR	MO	DAY	HRS.											
77	1	7	1900	2.7	.012	.190	.186			3.60	40.00			875.
77	1	12	1300	2.6	.062	.010	.300	.091		15.50	46.50			813.
77	1	13	1300	2.3	.021	.003	.320	.065		4.10	45.90			813.
77	1	14	1300	2.2	.022	.009	.350	.061		2.60	44.40			831.
77	1	15	1300	2.1	.024	.005	.360	.057		1.30	43.80			843.
77	1	16	1300	2.0	.024	.002	.390	.081			43.70			849.
77	1	17	1300	2.0	.023	.011	.410	.067		1.00	43.00			851.
77	1	18	700	1.9	.023	.013	.420	.057			43.00			855.
77	1	18	1900	1.9	.063	.046	.390	.075		11.20	36.10			832.
77	1	19	1900	1.8	.078	.066	.400	.115		9.10	35.70			863.
77	1	20	1900	1.8	.065	.049	.400	.094		6.50	35.80			860.
77	1	21	1900	1.7	.056	.039	.430	.098		5.10	37.30			882.
77	1	22	1900	1.7	.044	.044	.410	.127		3.20	38.40			876.
77	1	23	1900	1.6	.054	.024	.430	.127		4.00	36.40			869.
77	1	24	1900	1.6	.252	.079	.470	.343		5.00	34.70	7.61		863.
77	1	25	1900	1.6	.099	.043	.490	.285		5.40	39.10	7.40		875.
77	1	26	1900	1.5	.066	.038	.490	.348		5.70	36.00	7.99		866.
77	1	27	1900	1.4	.056	.041	.440	.306		7.90	36.30	8.10		856.
77	1	28	1900	1.4	.047	.029	.450	.293		5.10	36.10	7.72		858.
77	1	29	1900	1.3	.033	.023	.460	.275		5.20	34.20	7.72		856.
77	1	30	1900	1.3	.025	.018	.490	.271		6.70	34.20	8.08		855.
77	1	31	1300	1.2	.018	.011	.500	.422		3.80	34.30	8.20		851.
77	2	3	1300	1.1	.027	.018	.540	.268		1.90	33.10	6.50		849.
77	2	4	1300	1.1	.017	.015	.540	.266		1.60	33.70	6.55		848.
77	2	5	1300	1.1	.022	.014	.540	.290		1.60	38.70	6.67		866.
77	2	6	1300	1.0	.018	.015	.550	.280		1.90	37.50	6.62		864.
77	2	7	1300	1.0	.021	.014	.560	.264		2.30	35.80	6.68		867.
77	2	7	1900	1.0	.023	.014	.610	.323		5.00	43.10	8.57		887.
77	2	8	1900	1.0	.021	.009	.590	.385		4.80	40.80	9.10		869.
77	2	9	1900	1.0	.020	.013	.590	.336		4.60	38.80	9.32		879.
77	2	10	2200	1.0	.035	.022	.600	.248		4.30	42.90	8.61		864.
77	2	11	1100	1.0	.044	.026	.600	.273		3.60	54.10	9.29		901.
77	2	11	400	1.0	.045	.027	.600	.277		3.50	60.30	8.16		921.
77	2	11	700	1.0	.041	.024	.600	1.220		3.80	58.70	8.31		909.
77	2	11	1000	1.0	.040	.023	.610	.287		3.20	72.40	9.27		955.
77	2	11	1300	1.0	.048	.023	.650	.298		4.30	104.00	8.64		1097.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	TIME 2400 YR MO DY 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	CONO 25C. UMHO
77	2 11 1600	1.0	.077	.050	.720	.288				6.40	121.00	8.42		1172.
77	2 11 1900	1.0	.057	.027	.690	.269				6.10	105.00	8.02		1080.
77	2 11 2200	1.0	.061	.030	.670	.262				6.20	90.10	8.57		1020.
77	2 12 160	1.1	.050	.019	.650	.251				5.50	81.80	7.89		980.
77	2 12 400	1.1	.061	.020	.770	.278				8.60	126.00	7.70		1194.
77	2 12 700	1.1	.071	.025	.910	.297				9.20	139.00	7.81		1250.
77	2 12 1000	1.1	.071	.030	.940	.275				8.90	125.00	7.46		1160.
77	2 12 1300	1.1	.064	.032	.950	.265				7.70	108.00	8.32		1052.
77	2 12 1600	1.1	.087	.030	1.060	.254				10.30	96.00	6.82		979.
77	2 12 1900	1.1	.114	.058	1.260	.305				10.00	82.00	7.17		888.
77	2 12 2200	1.1	.114	.047	1.250	.314				9.50	69.40	6.96		842.
77	2 13 100	1.1	.160	.070	1.480	.353				20.20	110.00	6.67		974.
77	2 13 400	2.1	.160	.065	1.520	.348				21.40	99.70	6.79		900.
77	2 13 700	2.1	.132	.053	1.440	.351				15.80	78.30	6.53		827.
77	2 13 1000	2.1	.160	.068	1.640	.362				13.80	65.10	6.54		718.
77	2 13 1300	2.1	.160	.069	1.690	.422				13.80	60.40	6.28		715.
77	2 13 1600	2.1	.302	.160	2.240	.715				21.50	52.30	6.23		624.
77	2 13 1900	2.1	.412	.254	2.570	.830				23.30	51.70	5.80		579.
77	2 13 2200	2.1	.423	.259	2.620	.795				22.00	50.70	5.88		570.
77	2 14 100	28.6	.391	.238	2.590	.755				18.10	49.40	5.99		574.
77	2 14 400	28.0	.375	.269	2.650	.790				16.90	48.10	6.09		564.
77	2 21 1510	28.9	.306	.117	3.090	.864				29.00	50.20	5.68		607.
77	2 21 2110	25.8	.262	.109	3.140	.945				21.30	51.80	5.80		629.
77	2 22 310	25.8	.255	.097	3.030	.834				29.60	50.80	5.71		636.
77	2 22 910	27.8	.250	.109	2.900	.774				29.20	45.80	5.11		633.
77	2 22 1510	28.9	.242	.104	2.900	.791				29.20	48.40	5.43		642.
77	2 22 2110	42.6	.271	.106	2.640	.722				37.80	47.70	5.09		557.
77	2 23 310	273.0	.480	.152	2.520	.987				71.00	39.80	4.17		370.
77	2 23 910	311.7	.234	.224	2.410	1.280				70.70	37.50	4.08		344.
77	2 23 1200	378.6	.665	.224	2.400	.886				75.00	36.50	4.00		313.
77	2 23 1500	477.5	.664	.188	2.510	1.000				120.00	37.50	4.13		308.
77	2 23 1900	691.4	.696	.130	2.670	1.100				202.00	39.50	4.45		296.
77	2 23 2100	818.4	.578	.119	2.670	.897				171.00	39.80	4.47		277.
77	2 23 2350	867.7	.725	.116	2.790	1.380				337.00	41.10	4.58		283.
77	2 24 300	871.3	.469	.116	2.550	.793				151.00	37.50	4.28		273.
77	2 24 600	571.3	.443	.111	2.620	.693				166.00	38.10	4.50		277.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	TIME 2400	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 DY	HRS.													
77	2	24	900	910.0	.476	.103	2.580	1.580		206.00	37.60	4.18		279.
77	2	24	1200	947.3	.438	.094	2.580	.761		178.00	37.80	4.29		273.
77	2	24	1500	960.1	.352	.103	2.700	.804		117.00	40.40	4.53		280.
77	2	24	1800	947.3	.275	.099	2.710	1.020		72.00	39.90	4.50		278.
77	2	24	2100	964.3	.255	.101	2.710	.712		65.20	39.80	4.51		282.
77	2	24	2359	864.2	.253	.091	2.710	.844		100.00	37.20	4.24		288.
77	2	25	300	853.4	.235	.091	2.750	.651		64.00	35.60	4.10		289.
77	2	25	600	846.2	.208	.097	2.830	.827		42.40	37.30	4.60		296.
77	2	25	900	811.5	.207	.081	2.950	1.030		43.80	37.30	4.29		309.
77	2	25	1200	777.7	.194	.110	2.820	.773		30.80	40.20	4.68		325.
77	2	25	1430	676.2	.167	.042	5.000	1.950	1.310	29.20	39.70	4.94		320.
77	2	25	1730	632.0	.156	.037	4.900	.699	1.710	25.10	39.70	4.91		349.
77	2	25	2030	643.6	.141	.041	5.290	1.780	1.550	24.20	41.70	5.14		364.
77	2	25	2330	573.5	.148	.037	5.310	.575	1.620	17.40	41.90	5.07		377.
77	2	26	230	475.1	.134	.039	5.210	.357	1.330	15.50	41.00	5.09		388.
77	2	26	530	370.9	.119	.040	5.280	.552	1.330	14.80	41.20	5.02		405.
77	2	26	830	300.5	.109	.034	5.430	1.010	1.310	11.80	41.90	5.08		414.
77	2	26	1130	259.1	.112	.047	5.410	.500	1.380	13.60	41.90	5.20		425.
77	2	26	1430	230.0	.103	.038	5.420	.403	1.270	12.60	41.70	5.27		437.
77	2	26	1730	205.9	.117	.031	5.420	1.240	1.490	20.10	41.40	5.21		442.
77	2	26	2030	186.0	.157	.033	5.420	.603	1.360	29.90	41.80	5.31		448.
77	2	26	2330	175.4	.109	.032	5.280	.372	1.140	15.10	41.20	5.30		456.
77	2	27	230	175.4	.112	.034	5.270	.488	.897	19.70	41.90	5.31		465.
77	2	27	530	187.2	.101	.031	5.250	.891	1.140	12.50	41.80	5.25		465.
77	2	27	830	219.1	.104	.032	5.310	.380	1.440	15.70	42.10	5.61		475.
77	2	27	1130	219.1	.108	.033	5.460	1.140	.858	17.00	42.50	5.29		481.
77	2	27	1430	219.1	.112	.034	5.570	.363	1.240	16.10	42.80	5.28		475.
77	2	27	1730	219.1	.106	.032	5.670	.569	.979	14.40	43.00	5.40		494.
77	2	27	2030	219.1	.105	.025	5.610	.417	1.230	8.70	42.80	4.93		456.
77	2	27	2330	205.9	.139	.040	6.130	1.220	1.200	85.60	45.10	5.50		489.
77	2	28	230	172.0	.143	.029	6.350	.278	1.370	90.30	46.00	5.80		494.
77	2	28	530	176.6	.137	.033	6.280	.282	1.510	86.60	45.70	5.59		495.
77	2	28	830	159.7	.105	.035	6.150	.797	1.010	26.90	45.50	5.49		502.
77	2	28	1130	144.0	.100	.032	6.290	1.530	1.090	13.50	46.30	5.63		507.
77	2	28	1300	148.1	.173	.075	6.600	.309	1.250	29.20	49.80	6.73	1.50	516.
77	3	1	1300	53.6	.090	.058	6.070	.252	1.280	5.40	48.80	6.84	.70	560.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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	2	1300	42.6	.076	.047	5.020	.263						
77	3	3	1300	32.3	.066	.045	4.700	.215	.830	5.00	44.80	6.71	.70	587.
77	3	4	1300	61.2	.088	.052	5.530	.247	.830	4.70	44.10	6.70	.60	603.
77	3	5	1300	192.0	.097	.046	8.040	.221	.850	8.00	47.60	6.58	1.10	546.
77	3	6	1300	73.1	.076	.048	6.990	.206	1.300	8.50	50.40	6.41	1.20	521.
77	3	7	700	51.4	.062	.052	6.530	.224	.900	4.90	49.70	6.68	.70	573.
77	3	7	1900	70.5	.046	.046	5.380	.139	.780	4.40	49.90	6.82	.70	601.
77	3	8	1900	67.3	.076	.044	5.220	.118		2.40	46.80	7.13		597.
77	3	9	1900	68.6	.043	.043	4.700	.165		24.90	48.80	7.28		597.
77	3	10	1900	68.6	.041	.041	4.310	.136		5.40	47.50	7.31		606.
77	3	11	1900	58.8	.050	.045	4.370	.119		5.40	46.60	7.57		608.
77	3	12	1900	61.2	.034	.030	4.020	.323		3.80	48.10	7.21		599.
77	3	13	1900	225.9	.063	.024	5.670	.151		3.20	49.30	6.95		602.
77	3	14	1300	136.1	.053	.036	6.260	.110		13.80	54.20	7.45		589.
77	3	14	1900	122.1	.065	.048	6.990	.046		9.10	54.90	7.66		596.
77	3	15	1900	81.4	.061	.041	5.720	.077		6.80	55.20	8.67	.50	599.
77	3	16	1900	60.6	.051	.043	4.710	.108		6.80	51.20	8.38	.40	611.
77	3	17	1900	44.9	.045	.037	3.920	.080		7.80	49.00	8.38	.40	616.
77	3	18	1600	529.1	.125	.050	5.730	.092			47.60	6.93	.30	632.
77	3	19	1600	603.7	.124	.053	7.820	.220		50.20	39.20	6.27	3.20	464.
77	3	19	1600	584.4	.107	.052	8.740	.095		30.00	41.50	7.46	2.50	445.
77	3	19	1900	557.6	.096	.056	9.030	.172		17.60	41.80	7.83	1.70	459.
77	3	19	2200	501.5	.103	.040	8.850	.115		12.20	42.60	7.59	1.40	473.
77	3	20	1000	241.4	.071	.030	8.270	.122		27.60	40.80	8.54	1.00	461.
77	3	20	2200	215.1	.061	.028	7.910	.067			41.10	8.78	.40	501.
77	3	21	1000	175.4	.057	.023	7.710	.069		5.80	42.80	9.66	.20	527.
77	3	21	2200	145.0	.055	.019	7.640	.062		5.60	42.90	8.53	.10	538.
77	3	22	1000	194.5	.061	.024	6.900	.047		4.70	44.50	8.12	.10	552.
77	3	22	2200	463.4	.097	.021	7.040	.069		5.70	43.70	8.15	.20	550.
77	3	23	700	475.1	.091	.027	7.880	.104		14.80	37.70	9.29	1.30	464.
77	3	23	1600	445.0	.148	.021	8.540	.028		9.50	38.30	7.23	1.10	464.
77	3	24	400	295.5	.076	.021	8.300	.022		10.60	37.50	8.00	3.10	483.
77	3	24	1600	181.2	.061	.019	7.600	.398		8.00	37.70	7.91	1.40	503.
77	3	25	400	137.0	.053	.017	7.280	.068		5.80	36.90	7.69	.90	527.
77	3	25	1600	110.8	.047	.016	6.660	.135		6.70	37.40	9.04	.70	546.
77	3	26	400	97.9	.044	.020	6.140	.029		6.30	37.10	7.92	.70	562.
										5.70	36.80	8.64	.60	577.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : PROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196203

SAMPLING TIME DATE 2400 YR MO DY MFS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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 26 1300	81.4	.038	.033	6.430	.209				4.80	36.80	6.77	.50	594.
77 2 27 100	76.5	.039	.030	6.030	.204				5.40	36.40	6.88	.50	599.
77 2 27 1300	69.2	.036	.029	5.950	.064				7.20	36.20	6.44	.50	607.
77 2 28 100	69.2	.045	.040	6.000	.240				12.70	36.80	6.37	.80	597.
77 3 28 1300	161.9	.041	.040	6.320	.112				6.30	36.90	6.09	.60	578.
77 3 28 1600	211.2	.050	.025	4.750	.128				9.20	30.60	7.21	.90	551.
77 2 29 400	438.5	.054	.033	6.300	.048				28.20	30.30	8.08	.70	503.
77 2 29 1600	436.4	.054	.029	7.440	.086				11.00	31.80	8.71	.60	512.
77 3 31 400	317.6	.055	.029	7.370	.049				12.90	32.80	9.07	.80	523.
77 3 30 1600	208.5	.045	.020	6.930	.079				28.30	32.70	9.55	.40	546.
77 3 1 400	150.2	.038	.029	6.290	.041				17.40	32.40	8.79	.20	566.
77 3 31 1600	91.7	.037	.022	6.000	.043				5.40	32.50	8.12	.20	575.
77 4 1 100	80.6	.036	.027	5.600	.040				6.00	32.40	7.49	.20	587.
77 4 4 1600	617.7	.329	.056	7.480	.061				127.00	21.30	9.20	7.80	422.
77 4 6 1600	178.9	.135	.037	6.430	.080				37.70	25.90	10.00	2.90	507.
77 4 6 1900	174.3	.116	.036	6.380	.059				27.60	24.20	7.22	2.20	502.
77 4 7 1900	182.4	.091	.023	6.500	.153				18.50	26.00	6.68	1.60	515.
77 4 8 1900	153.3	.077	.030	6.420	.048				14.50	25.90	6.39	1.40	527.
77 4 9 1900	101.7	.068	.021	6.030	.027				16.10	26.40	6.01	1.40	548.
77 4 11 1900	80.6	.069	.016	5.390	.328				20.80	26.70	5.39	1.40	571.
77 4 11 1900	64.2	.060	.020	4.020	.399				26.50	25.80	3.23	1.00	579.
77 4 12 1900	47.7	.054	.010	3.720	.104				21.70	25.80	3.39	.80	592.
77 4 13 1900	40.0	.054	.015	3.410	.673				27.20	26.20	2.14	1.00	592.
77 4 14 1900	36.6	.053	.013	2.800	2.000				28.40	25.00	1.39	1.00	596.
77 4 15 1900	30.8	.046	.010	2.310	.093				21.70	24.30	1.28	.90	598.
77 4 16 1900	26.4	.049	.010	2.260	.105				25.00	2.62	1.53	1.00	602.
77 4 17 1900	24.5	.058	.011	2.270	.386				29.10	26.80	1.25	1.10	606.
77 4 18 1900	22.9	.048	.010	2.070	.060				26.70	26.40	1.32		604.
77 4 18 1900	22.4	.054	.010	1.860	.108				27.80	31.50		1.30	598.
77 4 19 1900	21.1	.055	.010	2.230	.099				23.40	32.70		1.30	612.
77 4 20 1900	20.4	.057	.010	1.580	.084				28.00	31.10		1.30	613.
77 4 21 1900	20.0	.064	.011	1.680	.087				35.10	31.00		1.50	624.
77 4 22 1900	32.9	.067		1.210	.077				37.50	31.00		1.30	614.
77 4 23 1900	288.5	.132	.012	4.390	.099				65.80	32.50		2.30	545.
77 4 24 1900	224.6	.057	.023	6.230	.141					32.50		.50	555.
77 4 25 1900	135.1	.044	.038	4.520	.181				5.50	36.10		.40	579.

LAME ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	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	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4 25 1900	124.8	.095	.035	7.070	.145				38.90	32.50	8.13	1.00	570.
77	4 27 1900	95.4	.067	.007	5.390	.047				20.00	31.30	6.89	.50	579.
77	4 28 1900	69.2	.078	.020	5.040	.068				11.90	32.10	4.48	.50	603.
77	4 29 1900	61.0	.041	.015	4.370	.411				7.10	31.10	3.92	.20	599.
77	4 30 1900	46.5	.052	.010	3.770	.060				11.20	32.00	2.59	.60	576.
77	5 1 1900	37.1	.046		3.070	.058				11.90	30.70	1.59	.60	589.
77	5 2 1300	33.4	.062	.010	2.680	.037				6.40	30.20	1.40	.30	575.
77	5 2 1900	32.9	.066	.027	2.750	.088				25.90	32.70	1.38	1.00	566.
77	5 3 1900	32.3	.267	.030	2.470	.042				27.00	31.70	1.85	1.20	576.
77	5 4 1600	193.3	.240	.066	6.540	.085				117.00	26.90	4.63	6.10	470.
77	5 4 1900	228.7	.220	.069	6.820	.110				85.90	26.70	4.97	5.40	483.
77	5 4 2200	297.1	.287	.068	6.040	.042				92.60	26.20	5.44	4.90	490.
77	5 5 100	344.3	.290	.087	6.790	.068				116.00	27.40	5.92	6.10	463.
77	5 5 400	368.9	.319	.096	8.360	.068				118.00	27.30	6.67	6.80	455.
77	5 5 700	376.7	.309	.103	8.240	.060				110.00	27.20	6.83	6.20	453.
77	5 5 1000	376.7	.316	.098	8.240	.105				76.80	27.10	7.01	6.20	450.
77	5 5 1300	370.0	.319	.075	8.320	.078				116.00	28.80	7.73	6.50	473.
77	5 5 1600	365.0	.169	.062	7.780	.098				44.80	28.50	7.39	2.60	503.
77	5 5 1900	344.3	.101	.063	7.490	.104				11.70	28.70	7.58	1.20	499.
77	5 7 2200	88.7	.127	.067	6.390	.077				28.30	31.30	7.36	1.80	571.
77	5 8 1600	71.9	.095	.032	5.920	.153				15.90	31.10	6.22	1.20	590.
77	5 8 2200	57.6	.093	.023	5.330	.113				15.00	31.30	6.21	1.10	601.
77	5 9 1000	54.1	.076	.020	5.120	.110				7.70	31.20	4.96	.90	610.
77	5 9 1900	46.8	.068	.032	4.670	.038				16.20	29.20	7.68	.90	611.
77	5 10 1900	35.9	.057	.025	4.230	.059				16.40	29.60	6.39	.80	610.
77	5 11 1900	28.0	.054	.018	3.580	.045				20.60	29.80	5.18	.90	617.
77	5 12 1900	22.4	.060	.016	2.990	.077				28.20	29.40	3.96	1.10	610.
77	5 13 1900	19.5	.055	.023	2.510	.103				21.00	29.70	3.25	.80	624.
77	5 14 1900	17.4	.080	.018	1.970	.066				33.30	29.00	2.79	1.60	606.
77	5 15 1900	15.5	.066	.015	1.680	.045				27.80	29.30	3.87	1.10	621.
77	5 16 1900	14.1	.074	.018	1.520	.071				28.30	29.90	3.64	1.10	615.
77	5 16 1900	14.1	.096	.017	1.620	.024				41.20	30.70	1.68	1.60	622.
77	5 17 100	13.6	.163		.560	.034				70.60	31.00	4.48	2.20	675.
77	6 2 1900	5.3	.163	.064	1.270	.054				34.40	36.80	6.34	1.80	684.
77	6 21 1900	5.1	.123	.075	1.050	.074				35.60	38.90	5.39	1.50	700.
77	6 22 1900	5.0	.116	.046	.730	.082				31.20	34.60	5.83	1.10	711.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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
77	6 23 1900	4.9	.120	.054	.920	.154				28.00	37.70	5.14	1.20	713.
77	6 24 1900	4.3	.094	.046	.670	.110				19.50	35.50	6.07	.50	728.
77	6 25 1900	4.2	.112	.035	.620	.043				25.20	35.30	5.72	1.00	733.
77	6 26 1900	4.2	.107	.025	.550	.021				29.50	33.70	6.27	1.00	721.
77	6 27 1300	5.9	.133	.025	.440	.076				51.00	32.70	6.40	1.70	726.
77	6 27 1300	5.9	1.360	.036	.940	.160				22.40	32.70	6.40	1.70	683.
77	6 20 1900	5.3	.163	.064	1.270	.054				34.40	36.80	6.34	1.80	684.
77	6 21 1900	5.1	.123	.075	1.050	.074				35.60	38.90	5.39	1.50	700.
77	6 22 1900	5.0	.116	.046	.730	.082				31.20	34.60	5.83	1.10	711.
77	6 23 1900	4.9	.120	.054	.920	.154				28.00	37.70	5.14	1.20	713.
77	6 24 1900	4.3	.094	.046	.670	.110				19.50	35.50	6.07	.50	728.
77	6 25 1900	4.2	.112	.035	.620	.043				25.20	35.30	5.72	1.00	733.
77	6 26 1900	4.2	.107	.025	.550	.021				29.50	33.70	6.27	1.00	721.
77	6 27 1300	5.9	.133	.025	.440	.076				51.10	32.70	6.40	1.70	726.
77	6 27 1900	5.9	.108							49.50		7.97	2.50	711.
77	6 28 1900	5.0	.075							31.20		5.79	1.60	736.
77	6 29 1900	4.9	.075							27.10		5.58	1.50	742.
77	6 30 1900	4.3	.081							28.00		6.36	1.60	741.
77	7 1 100	598.1	2.000							4056.00		3.38	157.00	247.
77	7 1 700	853.4	2.000							3094.00		4.54	154.00	260.
77	7 1 1300	777.7	1.490							1298.00		5.20	64.80	318.
77	7 1 1600	676.2	1.090							1045.00		5.27	47.20	327.
77	7 1 1900	620.5	.979							834.00		6.55	34.70	369.
77	7 1 2200	576.3	.872							675.00		6.98	32.20	389.
77	7 2 100	524.0	.760							493.00		7.47	24.90	410.
77	7 2 400	461.1	.710							408.00		8.30	21.40	439.
77	7 2 700	367.0	.586							319.00		8.20	16.80	455.
77	7 2 1000	297.1	.423							244.00		9.18	13.10	486.
77	7 2 1300	227.3	.437							273.00		8.93	13.70	474.
77	7 2 1600	181.2	.383							296.00		9.59	11.40	503.
77	7 2 1900	142.0	.354	.062	18.100	.108				216.00	26.90	8.97	9.70	537.
77	7 2 2200	121.2	.325	.063	17.900	.150				190.00	27.20	9.39	9.50	541.
77	7 3 100	105.0	.305	.058	15.900	.111				198.00	28.00	8.54	8.80	549.
77	7 3 400	91.0	.292	.057	15.700	.110				208.00	28.00	8.68	8.40	547.
77	7 3 700	77.8	.290	.057	15.800	.095				193.00	28.00	9.67	8.50	558.
77	7 3 1000	69.8	.274	.053	15.800	.085				181.00	28.00	9.52	7.80	561.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

SAMPLING DATE	TIME 24HR	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
YR MO DY	HRS.													
77	7	3	1300	61.8	.272	.046	15.100	.088		414.00	27.90	9.53	7.80	423.
77	7	3	1600	53.6	.256	.046	14.600	.081		310.00	27.90	9.39	7.40	442.
77	7	3	1900	45.8	.313	.037	14.200	.046		329.00	28.10	9.47	9.30	472.
77	7	3	2200	38.4	.303	.042	13.700	.071		293.00	28.30	9.30	8.70	507.
77	7	4	100	34.3	.234	.028	11.900	.090		184.00	26.00	8.56	6.00	546.
77	7	4	400	33.1	.222	.030	12.500	.087		115.00	28.00	9.44	6.20	714.
77	7	4	700	31.1	.248	.032	11.900	.082		178.00	28.00	9.17	7.20	572.
77	7	4	1000	29.4	.227	.033	11.600	.093		163.00	28.20	9.86	6.50	573.
77	7	4	1300	25.8	.222	.051	11.600	.070		143.00	28.20	10.20	5.90	586.
77	7	5	1500	213.8	.512	.041	7.570	.070		431.00	29.20	9.44	15.90	597.
77	7	5	1600	240.0	.489	.053	8.880	.069		412.00	28.60	10.00	15.90	575.
77	7	5	1900	315.9	1.470	.048	8.730	.155		1396.00	19.80	8.11	58.70	357.
77	7	5	2200	331.7	1.350	.041	7.410	.130		1217.00	12.90	7.47	53.70	315.
77	7	6	100	346.2	1.090	.045	8.880	.122		917.00	13.70	8.06	40.40	333.
77	7	6	400	322.8	.989	.050	10.300	.108		785.00	15.70	7.65	35.30	362.
77	7	6	700	266.8	.895	.052	11.000	.092	2.720	645.00	17.10	7.69	31.10	389.
77	7	6	1000	192.0	1.200	.047	10.700	.078	5.290	844.00	19.10	9.49	38.20	418.
77	7	6	1300	161.9	.885	.056	11.800	.076	4.170	602.00	20.20	10.60	28.70	437.
77	7	6	1600	127.5	.537	.058	12.400	.098	1.890	351.00	20.80	10.20	17.30	447.
77	7	6	1900	103.3	.429	.062	12.400	.126	1.800	239.00	22.90	10.70	13.00	454.
77	7	6	2200	85.7	.387	.063	12.500	.099	1.460	199.00	22.20	10.40	11.30	463.
77	7	7	100	71.1	.364	.067	12.500	.062	1.970	218.00	22.90	10.10	10.30	470.
77	7	7	400	64.2	.360	.062	12.200	.078	1.700	205.00	23.30	12.30	10.30	475.
77	7	7	700	57.6	.356	.059	11.700	.066	2.120	210.00	23.90	11.10	10.00	486.
77	7	7	1000	51.9	.352	.059	11.600	.067	1.570	243.00	24.70	11.30	10.00	493.
77	7	7	1300	43.0	.399	.053	10.300	.086	2.110	297.00	24.50	10.60	11.30	487.
77	7	7	1600	39.3	.301	.066	10.900	.029	1.230	171.00	24.50	10.70	7.90	505.
77	7	7	1900	35.9	.290	.067	10.200	.037	1.480	179.00	24.50	10.80	7.60	514.
77	7	7	2200	34.0	.259	.066	9.830	.040	1.460	138.00	24.80	10.80	6.60	519.
77	7	8	100	31.7	.233	.066	9.390	.034	1.450	117.00	24.90	10.80	5.70	521.
77	7	8	400	30.3	.263	.063	9.000	.044	1.080	159.00	25.20	11.00	6.70	524.
77	7	8	700	27.8	.312	.063	8.590	.043	1.520	218.00	25.40	10.90	8.40	529.
77	7	8	1000	26.6	.272	.061	8.360	.032	1.720	169.00	26.10	10.70	7.00	531.
77	7	8	1300	79.2	.329	.065	8.010	.030	1.410	247.00	25.90	11.20	8.80	546.
77	7	8	1600	172.0	.376	.062	7.350	.053	2.000	277.00	25.10	10.80	10.30	549.
77	7	8	1900	209.8	1.050	.047	5.940	.071	3.860	903.00	21.30	9.64	41.00	426.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : BROKEN SWORD CREEK

LOCATION W/CODE : NEAR NEVADA, OHIO

USGS NO. 04196200

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
77 7 8 2200	217.7	1.250	.053	5.430	.059		3.840		1075.00	14.60	7.86	47.00	317.
77 7 9 100	216.4	1.290	.048	5.530	.069		4.120		1039.00	13.70	7.03	46.80	309.
77 7 9 400	178.9	1.730	.047	5.660	.111		5.620		1362.00	14.70	8.02	61.20	325.
77 7 9 700	148.1	2.000	.040	6.070	.088		6.110		1292.00	15.40	8.25	69.30	342.
77 7 9 1000	121.2	1.760	.045	6.470	.048		5.690		1244.00	16.30	8.58	63.00	360.
77 7 9 1300	99.4	1.280	.050	7.610	.056		3.150		641.00	17.60	9.12	33.70	373.
77 7 9 1600	85.0	.701	.055	8.030	.062		2.390		412.00	19.20	9.42	22.40	388.
77 7 9 1900	66.0	.639	.053	8.210	.081		2.280		487.00	20.80	9.43	20.10	404.
77 7 9 2200	59.4	.522	.056	8.470	.066		2.260		421.00	20.60	9.64	15.80	420.
77 7 10 100	50.3	.590	.059	8.510	.051		2.420		414.00	21.30	9.95	15.70	430.
77 7 10 400	40.6	.442	.064	8.400	.022		1.900		326.00	21.90	10.20	13.30	442.
77 7 10 700	39.3	.437	.059	8.290	.033		2.030		351.00	22.70	10.30	12.80	453.
77 7 10 1000	35.0	.453	.055	8.040	.022		1.860		366.00	23.00	10.00	13.20	460.
77 7 10 1300	32.3	.421	.055	7.840	.025		1.910		362.00	23.70	11.10	12.10	461.
77 7 10 1600	29.4	.410	.051	7.540	.034		1.810		282.00	23.50	10.50	11.60	474.
77 7 10 1900	26.4	.357	.054	7.350	.029		1.630		266.00	23.80	10.30	10.00	483.
77 7 10 2200	23.9	.348	.053	7.150	.040		2.120		231.00	24.20	10.50	9.70	491.

SANDUSKY RIVER
NEAR
UPPER SANDUSKY, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

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	1	5	1625	314.2	.248	.090	6.100	2.900		50.60	32.00		4.50	521.
76	1	6	405	330.2	.245	.100	6.000	2.800		39.20	32.00		4.00	531.
76	1	6	1605	295.0	.161	.080	5.700	1.600		25.50	33.00		1.60	630.
76	1	7	405	264.5	.155	.090	5.300	1.600		16.80	33.00		.70	645.
76	1	7	1605	227.6	.155	.100	4.700	2.300		12.70	35.00		.30	668.
76	1	8	405	188.8	.165	.100	4.500	2.500		10.00	35.00		.10	685.
76	1	8	1605	419.0	.157	.100	4.300	3.500		7.00	34.00		.70	710.
76	1	23	1605	222.0	.222	.130	2.200	.390		3.60	38.00			776.
76	1	24	1005	201.2	.202	.130	2.100	.410		3.20	47.00			855.
76	1	25	405	174.4	.180	.130	2.000	.550		3.90	38.00			822.
76	1	25	1005	181.6	.185	.130	2.000	.560		4.00	38.00			818.
76	1	25	1605	227.6	.419	.160	2.000	.850		7.90	55.00			865.
76	1	25	2205	414.0	.438	.140	1.700	.590		34.50	50.00			626.
76	1	26	405	1174.0	.567	.120	2.100	.980		60.10	46.00			423.
76	1	26	1005	2152.0	.848	.110	1.800	.630		76.70	23.00			315.
76	1	26	1605	4945.0	.656	.180	2.600	.640		215.00	24.00			288.
76	1	26	1716	5214.0	.598	.160	2.500	.410		238.00	29.00			293.
76	1	26	2316	2514.0	.471	.170	2.400	.440		139.00	25.00			258.
76	1	27	516	2818.0	.439	.150	2.500	.400		133.00	24.00			258.
76	1	27	1116	2935.0	.414	.120	2.400	.350		136.00	22.00			238.
76	1	27	1716	3210.0	.351	.120	2.500	.340		93.00	21.00			245.
76	1	27	2316	3314.0	.308	.120	2.700	.340		74.90	21.00			254.
76	1	28	516	3088.0	.296	.130	3.000	.320		52.10	22.00			283.
76	1	28	1116	2136.0	.279	.120	3.200	.320		51.10	22.00			313.
76	1	28	1716	1705.0	.250	.120	3.500	.270		37.90	24.00			355.
76	1	28	2316	1663.0	.229	.110	3.600	.230		34.90	24.00			375.
76	1	28	516	1670.0	.210	.100	3.600	.200		39.10	24.00			402.
76	1	28	1116	1670.0	.212	.100	3.600	.210		34.30	25.00			429.
76	1	28	1716	1670.0	.206	.100	3.600	.200		40.90	25.00			450.
76	1	29	2316	1656.0	.190	.100	3.600	.200		18.50	25.00			470.
76	1	30	516	1656.0	.181	.100	3.500	.210		23.80	25.00			478.
76	1	30	1116	1656.0	.177	.090	3.500	.190		21.80	26.00			497.
76	1	30	1716	1607.0	.274	.090	3.600	.050		61.40	27.00			515.
76	1	30	2316	1642.0	.154	.090	3.400	.150		15.10	27.00			525.
76	1	31	516	1642.0	.149	.080	3.400	.180		17.20	27.00			536.
76	1	31	1116	1642.0	.152	.080	3.300	.210		19.80	27.00			551.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 0419650C

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
YR	MO	DAY	HRS.											
76	1	31	1716	1642.0	.150	.090	3.200	.220		21.90	27.00			541.
76	1	31	2316	1635.0	.145	.080	3.200	.170		16.60	27.00			568.
76	2	1	516	184.0	.134	.080	3.200	.200		13.60	28.00			578.
76	2	1	1116	162.8	.135	.080	3.100	.200		1.80	30.00			618.
76	2	1	1716	162.8	.143	.090	3.000	.270		6.30	35.00			632.
76	2	1	2316	153.6	.162	.090	3.100	.240		13.40	36.00			629.
76	2	2	516	144.8	.163	.090	3.100	.210		13.10	96.00			628.
76	2	4	1800	216.8	.130	.080	9.000	.240	1.350	.70	32.00			711.
76	2	4	2400	222.0	.134	.090	2.900	.340	.980	1.60	33.00			709.
76	2	5	600	191.2	.171	.110	2.800	.390	.870		33.00			717.
76	2	5	1200	191.2	.161	.110	2.700	.750	1.400	1.80	33.00			721.
76	2	5	1800	224.8	.141	.090	2.600	.330		.50	32.00			738.
76	2	6	1800	206.4	.148	.100	2.400	.310	.660	.90	32.00			747.
76	2	7	1800	181.6	.161	.110	2.400	.370	.650	.40	34.00			770.
76	2	8	1800	155.9	.159	.110	2.200	.420	.820	4.90	34.00			767.
76	2	9	1200	167.4	.182	.130	2.300	.610	.660	5.70	36.00			793.
76	2	10	2400	241.6	.456	.180	1.600	.510	3.850	129.00	56.00			672.
76	2	11	1200	788.0	.449	.170	3.400	1.000	3.960	134.00	25.00			437.
76	2	11	1800	1258.0	.481	.180	2.600	1.000	2.070	164.00	26.00			358.
76	2	11	2400	1467.0	.448	.150	2.100	.970	2.010	141.00	31.00			355.
76	2	12	1800	1168.0	.367	.110	2.100	.550	1.440	134.00	23.00			294.
76	2	13	600	715.0	.279	.100	2.500	.460	1.360	99.30	22.00			331.
76	2	14	1800	734.2	.315	.080	2.900	.290	.977	158.00	23.00			404.
76	2	14	2400	643.5	.317	.070	2.800	.200	.993	175.00	23.00			408.
76	2	15	2400	442.1	.167	.060	3.100	.250	1.010	50.20	23.00			457.
76	2	16	1200	773.0	.207	.050	3.700	.190	1.000	100.00	22.00			441.
76	2	16	1900	1803.0	1.290	.060	4.300	1.000		1306.00	25.00			383.
76	2	17	100	2737.0	1.330	.050	4.300	.210		1265.00	21.00			331.
76	2	17	700	3460.0	1.520	.050	4.200	.680		1485.00	20.00			299.
76	2	17	1300	4250.0	1.590	.060	4.000	1.000		1187.00	18.00			276.
76	2	17	1500	5013.0	1.420	.050	3.900	.140		1067.00	18.00			268.
76	2	18	100	5678.0	1.310	.050	3.800	.110		973.00	17.00			267.
76	2	18	700	5886.0	1.280	.050	3.700	1.000		909.00	17.00			262.
76	2	18	1300	6098.0	1.020	.050	3.700	.280		661.00	17.00			265.
76	2	18	1900	5982.0	.800	.050	3.800	.130		567.00	18.00			278.
76	2	19	100	5117.0	.642	.040	4.400	.060		380.00	19.00			305.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOP RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

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
76	2 19 700	4000.0	.620	.040	4.700	.060				438.00	20.00			330.
76	2 19 1300	3210.0	.565	.050	4.700	.080				406.00	21.00			343.
76	2 19 1900	2692.0	.507	.040	4.700	.190				300.00	22.00			354.
76	2 20 100	2224.0	.480	.050	4.700	1.000				290.00	22.00			356.
76	2 20 700	1719.0	.453	.050	4.600	1.000				246.00	22.00			366.
76	2 20 1300	1330.0	.397	.050	4.600	.040				210.00	22.00			380.
76	2 20 1900	1060.0	.356	.050	4.500	.010				176.00	22.00			396.
76	2 21 100	891.5	.304	.050	4.500	.020				150.00	22.00			412.
76	2 21 700	783.0	.312	.050	4.500	.070				434.00	22.00			424.
76	2 21 1300	828.6	.322	.060	4.300	.150				491.00	23.00			427.
76	2 21 1900	1246.0	.472	.050	4.300	.160				343.00	23.00			418.
76	2 22 100	1558.0	.697	.040	3.900	.150				535.00	19.00			362.
76	2 22 700	1740.0	.620	.050	3.700	.060				417.00	21.00			358.
76	2 22 1300	1926.0	.554	.060	3.700	.090				366.00	21.00			357.
76	2 22 1900	1959.0	.488	.050	3.600	.060				313.00	21.00			350.
76	2 23 100	1834.0	.417	.040	3.600	.080				248.00	20.00			348.
76	2 23 700	1488.0	.351	.050	3.600	.270				200.00	20.00			365.
76	2 23 1300	1120.0	.279	.040	3.800	.150				141.00	22.00			385.
76	2 23 1900	865.0	.266	.070	4.100	.110		1.830		111.00	24.00			418.
76	2 24 1900	453.2	.235	.090	4.000	.130		2.450		72.90	26.00			496.
76	2 25 1900	385.2	.212	.070	3.900	.080		1.190		61.50	27.00			534.
76	2 26 1900	298.2	.185	.070	3.700	.110		2.310		53.80	28.00			564.
76	2 27 1900	288.6	.204	.080	3.500	.080		1.250		53.60	28.00			590.
76	2 28 1900	238.8	.176	.070	3.300	.040		1.550		46.10	28.00			611.
76	2 29 1900	206.4	.168	.070	3.200	.050		1.670		43.60	29.00			634.
76	3 1 700	193.6	.157					1.160		47.00				
76	3 1 1300	146.4	.143	.060	3.200	.050				29.60	28.00			638.
76	3 2 1300	167.4	.134	.070	2.900	.070				25.80	28.00			654.
76	3 3 1300	165.1	.158	.070	2.700	.120				28.90	29.00			667.
76	3 3 1900	167.4	.453	.150	2.800	.110				46.90	30.00			659.
76	3 4 100	172.0	1.040	.160	2.700	.090				119.00	32.00			662.
76	3 4 700	222.0	.536	.140	2.700	.090				193.00	33.00			633.
76	3 4 1300	886.2	.847	.130	2.700	.070				579.00	30.00			558.
76	3 4 1900	1705.0	1.170	.080	3.500	.090				921.00	23.00			385.
76	3 5 100	2160.0	1.320	.330	3.700	.100				634.00	23.00			365.
76	3 5 700	2575.0	.997	.170	3.500	.070				586.00	23.00			360.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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
76	5	1300	2944.0	.942	.120	3.300	.100			561.00	20.00			309.
76	5	1900	3269.0	.866	.080	3.100	.040			574.00	18.00			288.
76	5	6 100	3390.0	.782	.070	3.100	.180			461.00	18.00			298.
76	5	6 700	2908.0	.693	.080	3.300	.110			425.00	18.00			317.
76	5	6 1300	2160.0	.663	.070	3.300	.040			403.00	19.00			333.
76	5	6 1900	1488.0	.627	.060	3.100	.050			382.00	19.00			344.
76	5	7 100	1108.0	.551	.050	3.100	.060			320.00	20.00			363.
76	5	7 700	844.2	.467	.060	3.200	.090			216.00	21.00			391.
76	5	7 1300	691.0	.391	.060	3.300	.100			174.00	21.00			422.
76	5	7 1900	593.6	.353	.060	3.300	.050			142.00	22.00			443.
76	5	8 100	498.8	.313	.060	3.300	.050			120.00	22.00			462.
76	5	8 700	442.1	.298	.060	3.300	.040			98.50	23.00			479.
76	5	8 1900	378.0	.231	.080	3.400	.090	1.020		71.20	29.00		5.10	524.
76	5	9 1900	285.4	.203	.080	3.300	.110	.740		50.80	30.00		3.30	564.
76	5	10 1900	241.6	.182	.090	3.100	2.000	.570		31.00	32.00		2.10	601.
76	5	11 1900	224.8	.154	.090	3.000	.150	.660		23.00	33.00		1.20	621.
76	5	12 1900	230.4	.251	.180	2.800	1.680	.910		20.10	36.00		.90	633.
76	5	13 1900	448.2	.436	.080	2.800	.090	1.920		277.00	33.00		14.10	545.
76	5	14 1900	357.0	.290	.080	2.800	2.000	.940		120.00	35.00		6.90	532.
76	5	15 1300	267.4	.221	.080	3.000	.020	.810		52.00	33.00		4.30	550.
76	5	15 1900	250.0	.232	.070	2.900	.090	1.300		11.30	28.00			565.
76	5	16 1900	224.4	.214	.090	2.800	.100	2.190		6.10	44.00			661.
76	5	17 1900	206.4	.151	.100	1.200	.160	.900		26.70	28.00			633.
76	5	18 1900	184.0	.154	.080	2.200	.150	.390		43.60	51.00			727.
76	5	19 1900	211.6	.137	.060	2.200	.130	1.600		89.10	34.00			662.
76	5	20 1900	244.4	.154	.040	2.200	.090	1.100		31.00	34.00			652.
76	5	21 100	276.1	.540	.070	2.100	.160	1.520		116.00	37.00			635.
76	5	21 700	433.0	.327	.030	2.100	.090	.870		101.00	35.00			624.
76	5	21 1300	859.8	1.210	.030	2.700	.050	2.010		655.00	27.00			502.
76	5	21 1900	1126.0	1.080	.070	3.000	.110	3.670		657.00	24.00			430.
76	5	22 100	1412.0	1.020	.060	3.100	.190	3.280		683.00	27.00			434.
76	5	22 700	1418.0	.998	.050	3.000	.220	3.810		629.00	25.00			394.
76	5	22 1300	1156.0	.783	.050	3.000	.190	3.590		455.00	22.00			361.
76	5	22 1900	844.2	.712	.080	3.400	.040			375.00	21.00			385.
76	5	23 100	624.7	.630	.080	3.400	.090			286.00	21.00			488.
76	5	23 700	453.2	.507	.080	3.400	.070			209.00	22.00			429.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING TIME DATE 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 5 23 1300	429.2	.397	.070	3.400	.320				161.00	22.00			458.
76 5 23 1900	378.0	.349	.070	3.300	.030				142.00	23.00			482.
76 5 24 100	343.0	.284	.070	3.300	.060				118.00	23.00			503.
76 5 24 700	317.4	.270	.070	3.100	.040				89.40	23.00			515.
76 5 24 1300	295.0	.236	.060	3.100	.030				101.00	24.00			534.
76 5 24 1900	276.1	.222	.060	3.000	.060				107.00	24.00			549.
76 5 25 1900	227.6	.148	.050	2.600	.050				55.10	26.00			595.
76 5 26 1900	196.0	.133	.040	2.000	.210				26.70	27.00			612.
76 5 27 1900	191.2	.143	.020	1.600	.080				17.70	28.00			618.
76 5 28 1900	244.4	.160	.020	1.900	.110				29.30	27.00			591.
76 5 29 1300	209.0	.172	.030	1.800	.140				13.00	27.00			578.
76 5 29 1900	198.6	.113	.065	2.150	.075				36.10	31.00			611.
76 5 31 1900	174.4	.101	.060	1.900	.025				34.30	31.50			642.
76 5 31 1900	160.5	.088	.045	1.700					36.70	33.00			657.
76 6 1 1900	151.3	.103	.080	1.600					21.80	33.00			668.
76 6 2 1900	181.6	.122	.085	1.600					14.40	35.00			672.
76 6 3 1900	311.0	.123	.005	1.650					43.50	36.00			610.
76 6 4 1900	233.2	.131	.060	1.950					56.30	35.00			610.
76 6 5 1300	196.0	.087	.040	1.800					21.30	35.00			616.
76 6 5 1900	186.4	.158	.050	1.800	.020				48.00	30.00			624.
76 6 6 1900	142.8	.112	.030	1.600	.030				29.00	29.00			629.
76 6 7 1900	146.9	.104	.030	1.400	.070				21.00	28.00			637.
76 6 8 1900	107.0	.104	.040	1.200	.040				11.50	30.00			660.
76 6 9 1900	113.3	.111	.050	1.200	.040				10.60	31.00			682.
76 6 11 1900	103.0	.091	.030	1.200	.020				10.00	29.00			682.
76 6 11 1900	103.0	.116	.040	1.200	.040				14.90	29.00			681.
76 6 12 1300	99.0	.124	.020	1.300					16.10	30.00			680.
76 6 12 1900	97.0	.130	.090	1.300	.170				11.90	31.00			686.
76 6 13 1900	89.0	.139	.090	1.300	.100				8.60	32.00			710.
76 6 14 1900	85.1	.170	.090	1.100	.220				5.00	32.00			717.
76 6 15 1900	81.3	.149	.090	1.000	.120				8.90	33.00			730.
76 6 16 1900	79.4	.170	.090	.800	.080				10.50	33.00			731.
76 6 17 1900	75.6	.228	.090	.500	.110				8.90	35.00			736.
76 6 18 1900	68.0	.192	.070	.300	.140				8.60	35.00			717.
76 6 19 1300	64.4	.184	.040	.100	.180				15.80	34.00			681.
76 6 19 1900	64.4	.186	.060	.400	.210				24.40	35.00			717.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 2420	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
YR MO DY	HRS.													
76	4	20	1900	68.0	.211	.080	.400	.200		25.00	35.00			728.
76	4	22	1900	93.0	.233	.090	.200	.250		41.30	35.00			749.
76	4	23	1900	81.3	.233	.090	.400	.160		24.30	35.00			764.
76	4	24	1900	73.7	.355	.120	.200	.160		29.20	36.00			737.
76	4	25	1900	91.0	.250	.110	.400	.140			36.00			718.
76	4	26	1300	113.1	.254	.180	.500	.070		50.50	36.00			728.
76	4	26	1900	111.2	.229	.130	.800	.190		30.60	36.00			721.
76	4	27	1900	99.0	.254	.230	1.300	.240		25.70	41.00		.30	745.
76	4	28	1900	79.4	.324	.280	1.250	.250		23.40	38.00		1.30	740.
76	4	29	1900	66.2	.398	.150	1.200	.050		25.00	38.00		1.50	743.
76	4	30	1900	57.2	.250	.100	1.000	.030		33.40	38.00		2.00	755.
76	5	1	1900	53.6	.208	.090	.800	.070		42.30	37.00		1.90	771.
76	5	2	1900	55.4	.191	.070	.800			36.60	36.00		2.10	768.
76	5	3	1300	53.6	.196	.090	.800	.040		32.70	36.00		2.30	773.
76	5	3	1900	51.8	.252	.240	1.200	.600		33.10	44.00			784.
76	5	4	1900	48.5	.239	.210	1.000	.570		31.40	43.00			787.
76	5	5	1900	44.0	.234	.150	.800	.260		38.40	43.00			802.
76	5	6	1900	53.6	1.110	.150	.900	.110		49.50	42.00			815.
76	5	7	1900	57.2	.275	.140	1.000	.410		48.00	41.00			794.
76	5	8	1900	64.4	.298	.140	1.000	.250		55.10	40.00			779.
76	5	9	1900	60.9	.340	.340	1.400	.880		39.10	47.00			771.
76	5	10	1300	53.6	.398	.220	1.300	.520		37.90	44.00			788.
76	5	10	1900	50.0	.312	.170	1.600			31.90	47.00			792.
76	5	11	1900	41.0	.284	.160	1.500	.010		27.50	46.00			814.
76	5	12	1900	38.0	.316	.150	1.200			33.30	45.00			786.
76	5	13	1900	36.5	.281	.120	1.200			32.40	45.00			804.
76	5	14	1900	25.0	.273	.170	1.200			41.30	46.00			834.
76	5	15	1900	39.5	.295					29.10				831.
76	5	16	1900	38.0	.289	.110	1.100			35.30	44.00			816.
76	5	17	1300	41.0	.370	.150	1.100	.130		46.00	41.00			773.
76	5	17	1900	64.4	.525	.140	1.900	.030		306.00	39.00			740.
76	5	18	1900	117.5	.585	.180	4.400	.120		233.00	40.00			785.
76	5	19	1900	146.9	.480	.190	5.100	.040		135.00	42.00			698.
76	5	20	1900	97.0	.439	.280	9.500	.020		91.50	40.00			691.
76	5	21	1900	69.9	.351	.160	9.200	.050		75.70	41.00			738.
76	5	22	1900	51.8	.316	.020	6.400			84.20	39.00			688.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	HRS.											
76	5	23	1900	44.0	.287		5.300	.010		54.60	40.00			725.
76	5	24	1300	41.0	.314	.040	4.800	.040		79.10	41.00			779.
76	5	31	1900	314.2	2.000	.200	8.800	.350		1992.00	25.00			462.
76	6	1	100	448.2	1.630	.160	12.600	.100		1279.00	26.00			576.
76	6	1	700	558.8	1.550	.150	12.300	.010		1384.00	29.00			494.
76	6	1	1300	510.2	1.430	.140	13.700	.120		1235.00	25.00			529.
76	6	1	1900	537.3	1.530	.150	15.300	.020		1226.00	26.00			524.
76	6	2	100	510.2	1.040	.190	17.500	.020		693.00	30.00			584.
76	6	2	700	430.4	.927	.170	18.500	.020		565.00	30.00			601.
76	6	2	1900	643.5	.807	.180	13.100	.010		458.00	32.00			628.
76	6	3	100	567.4	.683	.150	14.700	.090		364.00	41.00			668.
76	6	3	700	433.0	.688	.160	12.900	.020		329.00	39.00			645.
76	6	3	1300	343.0	.595	.130	12.700	.060		309.00	34.00			595.
76	6	3	1900	282.2	.530	.120	14.300	.040		267.00	34.00			618.
76	6	4	100	236.0	.503	.110	15.300	.050		263.00	36.00			647.
76	6	4	700	203.9	.533	.120	15.300	.020		273.00	36.00			662.
76	6	4	1300	179.2	.429	.130	15.500	.050		188.00	37.00			678.
76	6	4	1900	158.2	.407	.140	15.300	.030		168.00	36.00			687.
76	6	5	100	140.6	.420	.150	14.900	.030		160.00	37.00			698.
76	6	5	700	107.0	.424	.140	14.500	.030		183.00	36.00			699.
76	6	5	1300	117.5	.381	.130	14.200	.040		158.00	36.00			710.
76	6	5	1900	109.1	.379	.120	13.800	.030		153.00	36.00			719.
76	6	6	100	99.0	.363	.100	13.500	.030		151.00	36.00			726.
76	6	6	700	91.0	.363	.120	12.900	.010		147.00	36.00			729.
76	6	6	1300	85.1	.325	.110	12.400	.010		123.00	36.00			734.
76	6	6	1900	79.4	.284	.110	12.000	.020		96.50	37.00			744.
76	6	7	100	73.7	.292	.090	11.300	.030		102.00	37.00			747.
76	6	7	700	69.9	.326	.110	11.500	.030		112.00	38.00			756.
76	6	7	1300	66.2	.311	.130	11.100	.020		89.90	38.00			756.
76	6	7	1900	60.8	.292	.120	10.000	.070		76.80	39.00			784.
76	6	8	100	59.0	.267	.130	10.000	.080		88.40	39.00			789.
76	6	8	700	53.6	.308	.130	9.600	.070		101.00	38.00			796.
76	6	8	1300	51.8	.303	.110	9.000	.090		76.00	38.00			791.
76	6	8	1900	48.5	.277	.110	8.700	.090		59.20	39.00			805.
76	6	9	100	48.5	.242	.120	8.200	.070		63.40	39.00			812.
76	6	9	700	48.5	.282	.130	7.800	.080		76.70	38.00			813.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

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 NITROGEN MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR MO DY	HR													
76	6	5	1300	44.5	.287	.110	7.500	.130		72.60	38.00			805.
76	6	5	1400	45.5	.263	.100	6.800	.100		49.10	39.00			819.
76	6	5	1500	45.5	.234	.130	6.500	.110		62.80	40.00			827.
76	6	5	1600	42.5	.276	.120	6.100	.100		72.80	38.00			827.
76	6	5	1700	42.5	.287	.110	5.700	.130		60.40	38.00			816.
76	6	5	1800	39.5	.246	.100	5.400	.110		54.40	39.00			844.
76	6	11	1900	31.0	.253	.100	3.500	.310		64.30	41.00			807.
76	6	12	1900	26.0	.269	.060	1.800	.350		38.30	40.00			729.
76	6	13	1900	23.2	.208	.080	.900	.310		32.40	39.00			738.
76	6	14	1300	21.4	.245	.120	1.200	.180		29.80	41.00			751.
76	6	14	1900	19.6	.376	.180	1.500	.020		45.10	37.00			721.
76	6	15	1900	17.8	.217	.120	.900	.120		41.10	38.00			762.
76	6	16	1900	23.2	.266	.160	1.800	.070		47.00	40.00			806.
76	6	17	1900	26.0	.276	.160	.700	.160		54.90	38.00			822.
76	6	18	1900	28.0	.362	.190	.900	.050		93.90	37.00			849.
76	6	19	1900	151.3	.536	.190	2.800	.070		204.00	36.00			754.
76	6	20	1900	161.2	.744	.180	8.400	.150		358.00	33.00			665.
76	6	20	1900	181.6	1.360	.240	9.800	.150		895.00	33.00			618.
76	6	20	1900	136.0	.880					515.00				612.
76	6	20	1900	429.2	1.100					683.00				616.
76	6	20	1900	430.4	.817					387.00				601.
76	6	20	1900	421.4	.874	.180	12.700	.130		469.00	33.00			572.
76	6	20	1900	353.4	.713	.180	10.000	.060		404.00	33.00			580.
76	6	20	1900	264.5	.573	.170	15.600	.020		271.00	31.00			592.
76	6	22	1900	214.2	.509	.160	16.500			234.00	30.00			600.
76	6	22	1900	181.6	.470	.160	17.500			209.00	31.00			634.
76	6	22	1300	158.2	.389	.140	18.500			152.00	32.00			662.
76	6	22	1900	138.5	.403	.150	18.700			166.00	33.00			674.
76	6	23	1900	101.7	.359	.140	18.800			137.00	33.00			682.
76	6	23	1900	100.1	.372	.140	18.500			159.00	33.00			694.
76	6	24	1900	101.7	.365	.140	18.500			148.00	33.00			700.
76	6	24	1900	91.7	.340	.140	18.100			124.00	35.00			724.
76	6	24	1900	81.3	.353	.140	17.600			120.00	36.00			733.
76	6	24	1900	91.7	.371	.140	17.300			128.00	36.00			736.
76	6	24	1900	83.2	.372	.150	16.200			132.00	36.00			738.
76	6	24	1900	111.0	.440	.170	15.000			156.00	35.00			643.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 24 ^{HR}	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
YR MO DY	HRS.													
76	6	25	100	125.9	.386	.160	13.400			113.00	34.00			
76	6	25	700	201.2	.507	.130	12.600			262.00	33.00			672.
76	6	25	1300	222.0	.659	.140	11.600	.070		401.00	31.00			667.
76	6	25	1900	224.8	.760	.110	12.400			485.00	28.00			606.
76	6	26	100	264.5	.738	.130	12.500			411.00	28.00			617.
76	6	26	700	314.2	.735	.150	12.000			422.00	30.00			634.
76	6	26	1300	273.2	.765	.150	12.200	.020		361.00	34.00			625.
76	6	26	1900	227.6	.687	.180	10.800	.010		336.00	33.00			664.
76	6	27	100	188.8	.569	.150	11.400	.010		291.00	33.00			672.
76	6	27	700	162.8	.522	.160	11.200	.010		257.00	33.00			677.
76	6	27	1300	140.6	.499	.150	11.400			231.00	33.00			674.
76	6	27	1900	123.6	.456	.160	11.900			184.00	33.00			668.
76	6	28	100	149.1	.395	.160	11.800			137.00	33.00			672.
76	6	28	700	99.0	.402	.150	12.100			157.00	33.00			683.
76	6	28	1300	27.0	.557	.140	10.700	.020		145.00	34.00			675.
76	6	28	1900	87.0	.368	.190	12.300	.020	1.190	111.00	37.00			670.
76	6	29	700	68.0	.328	.200	12.600	.040	.920	95.70	37.00			711.
76	6	29	1900	63.2	.321	.160	12.600	.070	1.060	94.60	39.00			754.
76	6	30	700	71.8	.357	.200	9.770	.070	.970	96.40	40.00			714.
76	6	30	1900	79.4	.357	.160	10.400	.070	1.110	124.00	40.00			752.
76	7	1	700	103.0	.361	.150	8.790	.060	.920	137.00	35.00			730.
76	7	1	1900	79.4	.334	.140	8.110	.060	1.390	110.00	37.00			747.
76	7	2	700	81.3	.371	.170	7.310	.110	1.000	113.00	37.00			727.
76	7	2	1900	77.5	.406	.200	6.780	.070	1.100	95.50	39.00			759.
76	7	3	700	64.4	.414	.180	5.830	.080	1.330	114.00	38.00			758.
76	7	3	1900	53.6	.350	.080	4.160	.040	1.390	85.80	37.00			734.
76	7	4	700	48.0	.373	.120	3.690	.060	1.080	111.00	35.00			699.
76	7	4	1900	39.0	.322	.030	2.830	.090	1.190	94.50	36.00			710.
76	7	5	700	34.0	.364	.090	3.420	.040	1.190	101.00	37.00			725.
76	7	5	1900	32.0	.345	.080	3.210	.060	1.360	92.10	37.00			717.
76	7	6	700	29.0	.384	.160	3.900	.060		109.00	38.00			695.
76	7	6	1900	25.0	.383	.090	3.800	.090		108.00	40.00			685.
76	7	7	700	25.0	.450	.160	3.800	.020		121.00	39.00			736.
76	7	7	1900	25.0	.498	.160	3.500	.260		139.00	40.00			749.
76	7	8	700	25.0	.332	.070	3.200	.160		102.00	39.00			702.
76	7	8	1900	44.0	.468	.130	3.500	.200		131.00	40.00			689.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING TIME DATE 24.00 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 7 7 700	28.0	.615	.260	2.100	.190				97.70	36.00			619.
76 7 7 1300	25.0	.374	.170	2.300	.420				68.80	37.00			693.
76 7 7 1900	24.1	.420	.150	2.000	.770				104.00	37.00			664.
76 7 8 100	34.0	.419	.120	2.200	.790				103.00	41.00			676.
76 7 8 700	117.6	.401	.230	2.200	.970				585.00	31.00			571.
76 7 8 1300	73.7	.568	.160	2.700	.340				263.00	35.00			615.
76 7 8 1900	700.6	1.490	.290	1.800	.450				938.00	40.00			717.
76 7 9 100	291.6	1.960	.200	2.700	.590				881.00	19.00			375.
76 7 9 700	1156.0	1.420	.140	4.600	.170				1260.00	20.00			414.
76 7 9 1300	1276.0	1.400	.140	4.900	.200				1112.00	18.00			359.
76 7 9 1900	1090.0	1.020	.120	5.700	.120				732.00	15.00			342.
76 7 10 100	748.6	.935	.120	5.900	.110				727.00	16.00			360.
76 7 10 700	476.0	.784	.110	5.900	.070				504.00	17.00			380.
76 7 10 1300	381.6	.720	.110	6.000	.070				452.00	18.00			404.
76 7 10 1900	301.4	.582	.120	6.200	.060				331.00	19.00			433.
76 7 11 100	250.0	.525	.120	6.200	.050				277.00	21.00			450.
76 7 11 700	411.6	.506	.130	6.200	.040				259.00	22.00			469.
76 7 11 1300	146.4	.464	.130	5.900	.020				245.00	22.00			494.
76 7 11 1900	142.8	.418	.130	5.800	.020				189.00	23.00			513.
76 7 12 100	146.0	.573	.150	5.600	.030				294.00	23.00			521.
76 7 12 700	130.1	.489	.140	5.500	.020				225.00	24.00			522.
76 7 12 1300	119.6	.442	.150	5.200	.030				174.00	24.00			548.
76 7 12 1900	109.1	.378	.240	5.200	.030				119.00	27.00			537.
76 7 13 700	87.0	.385	.240	4.800	.020				132.00	28.00			581.
76 7 13 1900	75.6	.327	.240	4.500	.040				86.50	29.00			623.
76 7 14 700	60.8	.380	.250	4.300	.020				98.70	28.00			603.
76 7 14 1900	55.4	.324	.240	3.800	.070				69.20	30.00			625.
76 7 15 700	45.5	.399	.260	3.700	.040				98.40	30.00			633.
76 7 15 1900	41.0	.382	.280	3.100	.110				56.10	30.00			674.
76 7 16 700	36.5	.408	.280	3.200	.040				94.60	31.00			679.
76 7 16 1900	34.0	.345	.200	2.600	.100				62.90	31.00			679.
76 7 17 700	32.0	.407	.240	2.500	.100				73.80	35.00			742.
76 7 17 1900	68.0	.381	.140	1.900	.050				78.60	33.00			693.
76 7 18 700	53.6	.385	.190	1.700	.060				91.70	33.00			753.
76 7 18 1900	55.4	.335	.140	1.400	.020				71.30	33.00			687.
76 7 19 700	44.0	.417	.240	2.000	.070				95.50	35.00			685.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	HRS.	CFS	PHOS. MG/L	PHOS. MG/L	NO-3 MG/L	MG/L	NIT. MG/L	KJELD MG/L	MG/L	SOLIDS MG/L	RIDE MG/L	MG/L	MG/L	25C. UMHO
76	7 19 1300	38.0	.397	.230	2.000	.020				83.60	37.00			683.
76	7 19 1600	25.0	.384	.210	1.800	.050				52.20	38.00			682.
76	7 19 1900	34.0	.427	.250	2.000	.050				52.30	40.00			707.
76	7 19 2200	33.0	.493	.320	2.400	.050				55.60	42.00			739.
76	7 20 100	32.0	.501	.320	2.200	.070				58.70	42.00			757.
76	7 20 400	31.0	.501	.330	2.000	.120				66.30	42.00			766.
76	7 20 700	30.0	.507	.330	2.000	.140				68.10	42.00			780.
76	7 21 1000	29.0	.470	.310	2.000	.100				55.80	42.00			783.
76	7 21 1300	28.0	.438	.280	1.900	.030				50.40	41.00			756.
76	7 21 1600	27.0	.429	.250	1.800	.020				49.40	41.00			776.
76	7 21 1900	27.0	.409	.230	1.800	.010				46.00	41.00			778.
76	7 21 2200	27.0	.418	.240	2.000	.020				49.30	41.00			783.
76	7 21 100	26.0	.411	.230	2.100	.020				51.90	43.00			778.
76	7 21 400	25.0	.412	.220	2.000	.060				55.10	41.00			759.
76	7 21 700	24.1	.406	.220	1.900	.070				63.20	40.00			757.
76	7 21 1000	24.1	.386	.210	1.600	.070				49.80	39.00			762.
76	7 21 1300	25.0	.324	.200	1.800	.160				45.30	39.00			740.
76	7 21 1600	23.0	.326	.150	1.400	.120				41.60	38.00			729.
76	7 21 1900	21.4	.317	.120	1.300	.120				41.90	37.00			720.
76	7 21 2200	20.5	.299	.120	1.200	.370				46.70	38.00			715.
76	7 22 100	19.6	.329	.110	1.200	.120				51.30	40.00			711.
76	7 22 400	17.8	.310	.080	1.000	.130				52.30	40.00			703.
76	7 22 700	16.9	.322	.060	.900	.110				56.90	40.00			698.
76	7 22 1000	16.0	.374	.020	.600	.100					38.00			675.
76	7 22 1300	16.0	.286		.400	.110				62.30	38.00			649.
76	7 22 1600	16.0	.320		.300	.030				94.30	38.00			653.
76	7 22 1900	16.0	.303		.300	.010				79.60	38.00			654.
76	7 22 2200	18.7	.298		.400					87.30	38.00			666.
76	7 23 100	23.0	.315		.700					91.40	39.00			731.
76	7 23 400	21.4	.315		.900	.010				85.00	42.00			743.
76	7 23 700	22.3	.346	.030	1.000	.100				124.00	41.00			749.
76	7 23 1000	22.0	.353	.030	.800					62.80	41.00		1.00	731.
76	7 23 1300	25.0	.319	.010	.400					72.50	38.00		1.10	677.
76	7 23 1600	23.2	.230	.140	.920	.170				64.00	36.00			633.
76	7 23 1900	66.0	.354	.140	.950	.040				143.00	36.00			645.
76	7 23 2200	121.7	.385	.240	.870	.240				187.00	37.00			662.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLE NO.	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
76	7	24	130	138.6	.371	.200	.560	.090			161.00	33.00			675.
76	7	24	400	144.8	.412	.190	.520	.070			226.00	32.00			653.
76	7	24	770	224.8	.810	.180	1.200	.090			897.00	28.00			530.
76	7	24	1000	206.4	.310	.160	1.860	.040			724.00	23.00			410.
76	7	24	1300	261.6	1.170	.320	2.190	.150			738.00	25.00			439.
76	7	24	1600	541.6	1.280	.220	2.420	.030			1168.00	24.00			441.
76	7	24	1900	833.8	2.000	.090	1.140	.550			7428.00	27.00			429.
76	7	24	2200	1024.3	1.520	.260	2.320	.120			1479.00	23.00			381.
76	7	25	100	1054.0	1.350	.210	2.290	.070			1255.00	19.00			366.
76	7	25	400	990.1	1.050	.200	2.620	.050			1024.00	18.00			336.
76	7	25	700	962.0	.841	.210	2.870	.040			860.00	18.00			330.
76	7	25	1000	956.5	.903	.220	2.960	.080			761.00	18.00			359.
76	7	25	1300	886.2	.854	.230	2.980	.030			586.00	19.00			372.
76	7	25	1600	768.0	1.040	.230	2.930	.060			720.00	19.00			371.
76	7	25	1900	643.5	.783	.210	2.860	.020			613.00	19.00			361.
76	7	25	2200	537.3	.697	.210	2.820	.030			474.00	19.00			363.
76	7	26	100	452.0	.684	.190	2.740				442.00	19.00			364.
76	7	26	400	388.8	.684	.200	2.730	.040			392.00	18.00			370.
76	7	26	700	339.8	.647	.200	2.680	.090			383.00	18.00			379.
76	7	26	1000	298.2	.584	.190	2.660				368.00	18.00			385.
76	7	26	1300	267.4	.577	.190	2.710	.010			323.00	19.00			399.
76	7	26	1600	216.8	.625	.270	2.800	.030			309.00	19.00			390.
76	7	27	100	181.6	.563	.230	2.600	.020			276.00	20.00			423.
76	7	27	700	162.9	.541	.220	2.600				266.00	21.00			435.
76	7	27	1300	142.7	.530	.220	2.600				249.00	22.00			447.
76	7	27	1900	107.0	.501	.230	2.600	.010			207.00	23.00			459.
76	7	28	100	117.5	.463	.240	2.500	.030			180.00	23.00			478.
76	7	28	700	109.1	.531	.240	2.400	.010			174.00	24.00			489.
76	7	28	1300	101.0	.480	.230	2.400	.010			197.00	25.00			506.
76	7	28	1600	91.0	.484	.230	2.300	.030			172.00	25.00			524.
76	7	29	1300	101.7	.460	.230	2.100	.040			175.00	27.00			549.
76	7	29	1900	125.4	.451	.230	2.000	.020			153.00	28.00			560.
76	7	30	100	109.1	.454	.270	1.900	.030			175.00	29.00			571.
76	7	30	700	95.0	.483	.260	1.900	.020			153.00	29.00			565.
76	7	31	1900	91.0	.450	.230	1.900	.030			192.00	27.00			534.
76	7	31	100	91.0	.468	.200	2.000	.020			125.00	28.00			542.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	CONO 25C. UMHO
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	
76	7	31	703	75.6	.465	.200	2.000	.010		178.00	28.00			552.
76	7	31	1300	68.0	.462	.220	2.000	.010		163.00	28.00			563.
76	7	31	1900	60.8	.436	.220	1.900	.020		137.00	30.00			594.
76	8	1	100	55.4	.424	.230	1.900	.010		103.00	31.00			608.
76	8	1	700	50.0	.451	.230	1.700	.090		149.00	32.00			620.
76	8	1	1300	47.0	.425	.220	1.600	.010		133.00	32.00			629.
76	8	1	1900	44.0	.346	.210	1.500			86.50	34.00			649.
76	8	2	100	41.0	.386	.220	1.600	.050		88.70	34.00			660.
76	8	2	700	39.5	.379	.270	1.600	.060		96.20	34.00			667.
76	8	2	1300	38.0	.379	.230	1.500	.020		98.20	34.00			664.
76	8	2	1900	34.0	.354	.280	1.800	.050		73.70	39.00			664.
76	8	3	100	33.0	.369	.300	1.900	.060		70.60	39.00			677.
76	8	3	700	30.0	.334	.310	1.700	.100		66.10	40.00			676.
76	8	3	1300	30.0	.334	.270	1.500	.070		61.00	38.00			664.
76	8	3	1900	29.0	.304	.250	1.500	.100		48.60	38.00			672.
76	8	4	100	27.0	.308	.200	1.500	.090		59.60	41.00			695.
76	8	4	700	27.0	.322	.210	1.300	.080		64.80	41.00			673.
76	8	4	1300	26.0	.306	.160	.800	.180		61.70	39.00			632.
76	8	4	1900	23.0	.256	.080	.400	.310		57.50	39.00			609.
76	8	5	100	22.3	.280	.090	.700	.260		58.40	40.00			653.
76	8	5	700	20.5	.302	.110	.700	.200		66.70	40.00			647.
76	8	5	1300	20.5	.310	.090	.300	.340		50.90	40.00			647.
76	8	5	1900	20.5	.278	.050	.100	.270		55.70	39.00			636.
76	8	6	100	18.7	.279	.090	.700	.290		52.50	40.00			700.
76	8	6	700	17.8	.348	.126	.800	.300		68.50	40.00			696.
76	8	6	1300	17.8	.323	.140	.700	.290		56.80	40.00			704.
76	8	6	1900	19.6	.304	.110	.500	.260		65.30	41.00			724.
76	8	7	100	19.6	.304	.140	.800	.250		49.60	42.00			748.
76	8	7	700	24.1	.300	.150	.900	.230		67.10	42.00			733.
76	8	7	1300	41.0	.336	.180	1.100	.270		48.10	43.00			767.
76	8	7	1900	34.0	.352	.200	1.000	.250		68.00	41.00			686.
76	8	8	100	47.0	.461	.200	.800	.140		151.00	41.00			673.
76	8	8	700	323.8	.742	.240	1.000	.150		339.00	39.00			622.
76	8	8	1300	285.4	1.050	.540	2.500	.390		229.00	42.00			516.
76	8	8	1900	295.0	.890	.480		.590		242.00				430.
76	8	9	100	276.1	.631	.310	2.400	.190		225.00	25.00			398.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

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
76	8	0	1300	193.6	.484	.260	2.300	.070		165.00	27.00			502.
76	8	5	700	230.4	.557	.280	2.000	.110		191.00	20.00			447.
76	8	9	1900	167.4	.480	.280	1.900			157.00	32.00			551.
76	8	1	100	144.8	.531	.290	1.900	.020		196.00	34.00			552.
76	8	1	700	125.9	.454	.260	1.900	.010		159.00	34.00			543.
76	8	1	1300	109.1	.422	.260	1.900	.030		155.00	34.00			540.
76	8	1	1900	95.0	.435	.270	1.900	.030		133.00	35.00			558.
76	8	11	100	83.2	.452	.290	1.900	.040		146.00	35.00			568.
76	8	11	700	69.9	.478	.300	1.900	.030		170.00	36.00			574.
76	8	11	1300	62.6	.410	.280	1.800	.060		119.00	36.00			583.
76	8	11	1900	57.2	.399	.270	1.900	.060		113.00	39.00			618.
76	8	12	100	51.8	.431	.290	2.000	.070		113.00	39.00			627.
76	8	12	700	47.0	.464	.310	2.000	.050		126.00	39.00			636.
76	8	12	1300	42.5	.452	.290	1.800	.070		117.00	40.00			640.
76	8	12	1900	38.0	.436	.260	1.700	.070		110.00	41.00			658.
76	8	13	100	38.0	.399	.250	1.800	.070		96.00	41.00			663.
76	8	13	700	42.5	.391	.290	1.800	.080		83.40	41.00			682.
76	8	13	1300	39.5	.397	.290	1.500	.160		72.80	41.00			691.
76	8	13	1900	25.0	.341	.190	1.000	.120		54.90	40.00			657.
76	8	14	100	25.0	.344	.180	1.000	.090		70.60	40.00			669.
76	8	14	700	34.0	.386	.240	1.100	.060		86.30	39.00			676.
76	8	14	1300	41.0	.383	.210	.900	.110		87.30	38.00			676.
76	8	14	1900	41.0	.341	.100	.600	.090		79.70	38.00			674.
76	8	15	100	38.0	.380	.080	.500	.150		95.00	38.00			672.
76	8	15	700	123.8	.582	.180	.700	.130		215.00	39.00			684.
76	8	15	1300	339.8	1.060	.450	1.300	.020		446.00	49.00			663.
76	8	15	1900	241.6	.717	.360	1.300	.030		227.00	47.00			617.
76	8	16	100	184.0	.657	.320	1.300	.060		216.00	39.00			515.
76	8	16	700	153.6	.633	.260	1.200	.040		255.00	28.00			487.
76	8	16	1300	136.4	.634	.280	1.300	.070		229.00	26.00			404.
76	8	16	1900	125.9	.461	.330	1.700	.110		172.00	29.00		4.40	444.
76	8	17	700	132.2	.443	.310	1.600	.100		176.00	28.00		5.10	462.
76	8	17	1900	103.0	.490	.350	1.900	.090		155.00	32.00		3.60	504.
76	8	18	700	79.4	.416	.350	2.000	.190		168.00	35.00		4.10	539.
76	8	18	1900	62.6	.413	.390	1.700	.140		93.90	36.00		3.00	574.
76	8	1	700	48.5	.435	.380	1.600	.090		90.80	36.00		2.80	591.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING TIME DATE 24-HR YR MO DY 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	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 4 12 1900	41.0	.455	.360	1.500	.090				125.00	35.00		3.40	605.
76 5 2 701	35.0	.435	.407	1.900	.090				91.80	38.00		3.00	642.
76 8 21 1900	31.0	.417	.410	2.000	.140				71.30	40.00		2.40	648.
76 8 21 700	27.0	.505	.430	2.000	.120				121.00	40.00		4.40	676.
76 8 21 1900	26.0	.375	.340	1.500	1.000				59.80	39.00		2.00	674.
76 8 22 700	24.1	.473	.380	1.900	.360				133.00	40.00		4.00	687.
76 8 22 1900	20.5	.440	.350	1.300	.430				97.00	40.00		4.00	681.
76 8 23 700	16.0	.400	.340	1.400	.460				80.60	41.00		3.00	703.
76 8 23 1300	20.5	.416	.250	1.200	.920				116.00	40.00		3.60	696.
76 8 23 1900	22.3	.421	.290	1.400	.030				59.40	39.00			691.
76 8 24 700	18.7	.496	.350	1.800	.020				74.10	42.00			720.
76 8 24 1900	18.7	.459	.320	1.000	.030				45.80	43.00			738.
76 9 25 700	16.6	.483	.330	1.000	.020				63.90	51.00			793.
76 9 25 1900	18.7	.515	.280	.700	.020				94.80	45.00			766.
76 9 26 700	15.4	.555	.390	.900	.020				74.30	47.00			798.
76 9 26 1900	13.6	.570	.310	.600	.160				109.00	46.00			788.
76 9 27 700	12.3	.573	.360	1.100	.180				101.00	47.00			828.
76 9 27 1900	13.0	.578	.270	.600	.490				116.00	47.00			798.
76 9 28 700	14.2	.525	.320	1.400	.210				72.60	48.00			847.
76 9 28 1900	29.0	.526	.190	.500	.280				199.00	45.00			762.
76 9 29 700	18.7	.817	.530	.600	.800				51.10	48.00			748.
76 9 29 1900	15.4	.421	.200	.100	.160				47.30	44.00			749.
76 9 30 700	15.4	.428	.200	.400	.180				79.20	46.00			791.
76 9 30 1300	16.9	.341	.160	.400	.100				44.70	47.00			812.
76 9 30 1900	15.4	.305	.200	.290	.132				30.90	47.00			813.
76 9 31 1200	17.8	.394	.260	.700	.193				33.20	48.00			845.
76 9 31 1900	17.7	.410	.263	.620	.122				53.10	46.00			824.
76 9 2 1900	16.0	.307	.200	.540	.137				31.00	44.00			849.
76 9 3 1900	14.8	.335	.174	.700	.071				57.40	45.00			845.
76 9 4 1900	13.6	.306	.171	.680	.027				36.50	45.00			862.
76 9 5 1900	8.1	.280	.167	.860	.056				25.30	48.00			859.
76 9 6 1900	8.4	.348	.181	1.070	.028				41.80	50.00			857.
76 9 6 1900	8.5	.406	.288	1.510	.031				38.70	52.10			848.
76 9 7 1900	9.0	.300	.300	1.650	.057				51.10	59.00			861.
76 9 8 1900	9.4	.461	.354	1.810	.148				36.40	59.50			913.
76 9 9 1900	14.0	.521	.247	.910	.129				66.80	55.50			902.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 2400 YR MO DY 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 10 1900	13.6	.483	.184	.393	.144				57.60	57.10			822.
76	9 11 1900	28.0	.427	.196	.143	.066				69.90	49.90			858.
76	9 12 1900	21.4	.441	.172	.190	.049				65.90	46.40			823.
76	9 13 1900	19.6	.435	.180	.450	.025				57.30	49.70			822.
76	9 13 1900	19.6	.405	.253	.690	.037				49.00	46.80			823.
76	9 14 1900	15.4	.484	.275	.810	.087				56.30	56.40			878.
76	9 15 1900	14.2	.645	.315	1.470	.068				75.30	66.30			929.
76	9 16 1900	13.0	.517	.292	1.000	.131				55.00	59.70			926.
76	9 17 1900	17.8	.562	.238	1.680	.158				89.60	56.70			887.
76	9 18 1900	13.6		.297	1.070	.449				46.20	62.10			908.
76	9 19 1900	17.8	.568	.292	.660	.054				59.90	60.70			891.
76	9 20 1900	16.0	.528	.275	.580	.124				61.80	52.30			856.
76	9 21 1900	15.4		.283	1.010	.014				50.10	49.20			848.
76	9 21 700	13.6	.355	.322	2.170	.017				76.70	53.80			873.
76	9 21 1900	13.6	.353	.328	1.580	.032				47.40	57.20			906.
76	9 22 700	11.7	.386	.376	1.270	.141				59.30	55.10			918.
76	9 22 1900	11.1	.402	.402	1.250	.063				39.70	53.90			934.
76	9 23 700	11.7	.442	.425	.980	.039				87.90	52.60			941.
76	9 23 1900	14.2	.360	.334	1.130	.072				48.50	51.30			939.
76	9 24 700	11.7	.343	.239	1.000	.120				77.50	48.80			902.
76	9 24 1900	9.9	.336	.299	2.130	.262				46.00	49.90			927.
76	9 25 700	7.1	.315	.264	1.680	.130				60.70	49.80			936.
76	9 25 1900	7.1	.315	.307	2.260	.203				29.90	53.30			902.
76	9 26 700	7.6	.343	.310	2.010	.178				63.80	55.40			1012.
76	9 26 1900	25.0	.341	.223	1.270	.108				86.90	50.80			944.
76	9 27 700	23.2	.409	.271	1.260	.187				128.00	44.80			701.
76	9 27 1300	18.7	.392	.214	1.200	.330				153.00	42.30			610.
76	9 27 1900	18.7		.290	1.280	.042				156.00	43.20			749.
76	9 28 100	42.5		.276	1.600	.035				170.00	47.30			761.
76	9 28 700	62.4		.299	.880	.030				196.00	45.80			871.
76	9 28 1300	50.7		.283	.810	.050				176.00	47.30			886.
76	9 28 1900	44.0		.325	.960	.060				163.00	52.80			897.
76	9 29 100	42.5		.414	1.180	.054				176.00	59.20			882.
76	9 29 700	48.5		.413	1.070	.047				160.00	54.40			820.
76	9 29 1300	47.0		.433	.930	.059				122.00	49.60			775.
76	9 29 1900	42.5		.448	1.020	.064				124.00	52.00			782.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196503

SAMPLING TIME DATE 24:0 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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 30 100	39.5		.516	1.790	.046				139.00	56.30			886.
76 9 30 700	36.5		.573	2.530	.074				150.00	57.40			816.
76 9 30 1300	36.5		.644	2.670	.163				94.70	57.00			813.
76 9 30 1900	33.0		.697	2.590	.294				78.30	56.80			825.
76 10 1 100	30.0		.734	2.950	.424				128.00	59.20			846.
76 10 1 700	28.0		.849	2.730	1.180				118.00	62.50			862.
76 10 1 1300	27.0		.846	2.370	1.760				78.20	63.70			875.
76 10 1 1900	24.1		.829	2.590	1.700				98.50	62.50			868.
76 10 2 100	21.4		.756	3.000	1.390				211.00	60.40			869.
76 10 2 700	18.7		.603	2.640	1.280				122.00	56.40			841.
76 10 2 1300	16.9		.516	2.220	1.290				68.20	53.90			826.
76 10 2 1900	16.0		.427	1.950	.919				45.90	50.90			792.
76 10 3 100	15.4		.393	2.090	.676				99.10	47.80			785.
76 10 3 700	14.8		.347	2.240	.427				54.00	48.20			789.
76 10 3 1300	14.8		.317	2.150	.291				99.90	46.20			767.
76 10 3 1900	14.8		.294	1.880	.209				43.10	44.60			751.
76 10 4 100	13.6		.293	1.710	.194				72.90	43.40			746.
76 10 4 700	13.0		.281	2.030	.161				68.80	43.80			753.
76 10 4 1300	13.6		.243	1.930	.059				36.80	44.00			748.
76 10 5 100	12.3	.458	.242	1.850	.060				41.50	47.00			768.
76 10 5 1900	9.4	.360	.238	2.190	.064				32.90	51.40			813.
76 10 6 1900	16.0	.344	.181	1.450	.116				30.50	53.80			891.
76 10 7 1900	11.1	.810	.473	.010	.759				24.80	57.90			935.
76 10 8 1900	12.3	.372	.231	.380	.133				17.30	53.70			924.
76 10 9 1900	25.0	.404	.182	.270	.202				25.30	54.00			961.
76 10 10 1900	17.8	.374	.251	.470	.162				19.70	53.10			914.
76 10 11 700	18.7	.411	.186	.400	.100				74.70	53.10			952.
76 10 11 1900	21.4	.344	.227	.820	.073				22.50	53.50			951.
76 10 12 1900	21.4	.453	.261	.980	.058				38.10	53.40		.90	937.
76 10 13 1900	16.0	.314	.202	.730	.036				22.20	55.30		.90	973.
76 10 14 1900	20.5	.392	.221	.490	.058				34.50	55.50		1.40	974.
76 10 15 1900	15.4	.350	.218	.470	.141				29.90	60.30		1.10	1008.
76 10 16 1900	14.6	.315	.204	.800	.281				18.70	61.00		.80	1040.
76 10 17 1900	14.2	.312	.231	.950	.178				17.30	59.50		.70	1017.
76 10 18 1300	14.2	.306	.233	1.020	.043				13.90	59.80		.60	993.
76 10 18 1900	15.4	.365	.227	.990	.059				29.20	69.10			968.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE YR MO DY	TIME 24 HRS 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 11 20	100	16.5	.371	.267	1.210	.226				27.90	70.60			997.
76 11 20	1900	24.1	.431	.317	1.220	.618				17.80	73.90			1053.
76 11 21	1700	21.4	.590	.464	.580	.180				23.00	76.80			980.
76 11 22	1900	26.5	.511	.394	.315	.024				20.90	67.60			968.
76 11 23	1900	25.0	.472	.407	.360	.055				16.70	66.70			889.
76 11 24	1900	36.5	.504	.410	.480	.182				20.80	62.60			829.
76 11 25	1300	34.5	.572	.486	.520	.168				20.90	65.70			866.
76 11 2	1300	41.0	.717	.315	.890	.014				152.00	49.70	4.16		875.
76 11 2	1900	39.5	.564	.315	.830	.020				53.80	50.80	4.19		877.
76 11 3	100	39.5	.605	.367	.950	.045				50.50	52.70	4.11		887.
76 11 3	700	44.0	.605	.415	1.040	.095				33.10	52.40	4.38		872.
76 11 4	1300	47.0	.575	.390	1.260	.026				45.30	52.70	3.75		858.
76 11 5	1300	50.0	.583	.419	1.010	.047				31.50	51.20	4.08		859.
76 11 5	1300	36.5	.545	.420	1.450	.077				19.00	54.40	4.15		856.
76 11 6	1300	32.0	.602	.479	1.350	.097				12.80	54.30	3.47		843.
76 11 7	1300	30.0	.528	.402	1.260	.095				22.70	47.70	2.77		805.
76 11 8	1300	17.0	.400	.293	1.200	.115				14.60	47.90	2.72		856.
76 11 8	1900	17.0	.384	.285	1.250	.087				11.90	52.20	1.92		882.
76 11 9	1900	25.0	.388	.302	.940	.090				11.30	54.10	1.74		902.
76 11 10	1900	23.2	.427	.294	.920	.078				12.80	40.60	1.49		913.
76 11 11	1900	25.0	.478	.314	.480	.140				23.10	55.10	1.41		916.
76 11 12	1900	26.0	.368	.312	.370	.293				9.10	54.60	1.21		922.
76 11 13	1900	24.1	.366	.276	.300	.071				9.60	55.30	1.32		920.
76 11 14	1900	23.0	.317	.264	.350	.092				8.70	53.70	1.05		923.
76 11 15	1300	23.0	.490	.238	.420	.147				59.10	54.80	1.03		934.
76 11 16	100	22.3	.416	.244	.600	.088				3.70	53.50			950.
76 11 16	1900	22.3	.399	.243	.540	.128				34.50	54.20			956.
76 11 17	1900	20.5	.361	.266	.460	.111				8.60	53.80			950.
76 11 18	1300	20.5	.367	.279	.540	.410					55.90			949.
76 11 22	1500	26.0	.820	.567	1.140	.208				24.60	56.50	3.35		948.
76 11 23	1900	26.0	.647	.544	1.390	.384				6.70	60.50	1.96		964.
76 11 24	1900	24.0	.629	.546	1.790	.381				7.10	61.50	2.69		987.
76 11 25	1900	26.0	.657	.561	1.980	.487				4.90	62.00	3.56		1008.
76 11 26	1900	28.0	.775	.660	1.700	.518				6.90	61.40	3.63		994.
76 11 27	1500	27.0	.683	.547	1.480	.731				13.60	64.90	2.94		926.
76 11 28	1900	36.5	.591	.456	1.390	.191				16.60	60.80	1.89		969.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING TIME DATE 2400 YR MO DY 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 11 29 1300	31.0	.473	.395	1.200	.156				48.30	58.40	3.41		968.
76 12 7 1300	31.0	.671	.489	1.210	1.000		1.580		8.60	70.70	1.70		1126.
76 12 9 1300	36.5	.541	.451	1.710	.515		1.140		7.60	66.80	1.22		1152.
76 12 9 1300	39.4	.601	.479	1.660	.616		1.180		6.70	61.60	1.55		1151.
76 12 10 1300	34.0	.648	.536	1.660	.652		1.250		7.90	61.90	1.84		1122.
76 12 11 1300	33.0	.716	.514	1.750	.635		1.380		8.20	64.20	1.34		1086.
76 12 12 1300	30.0	.774	.624	1.710	.913		1.650		6.30	66.20	1.31		1097.
76 12 13 1300	44.0	.817	.654	1.670	1.030		1.750		6.00	65.40	1.39		1086.
76 12 14 700	27.0	.877	.694	1.580	1.240		2.130		8.00	65.30	1.15		1085.
76 12 16 1300	27.0	.877	.734	1.420	1.390		2.340		5.20	84.90	.99	.32	1158.
76 12 17 1300	26.0	.610	.487	1.440	.812		1.700		3.80	82.00	.80	.29	1148.
76 12 18 1300	26.0	.531	.403	1.390	.604		1.580		5.20	70.50	.95	.26	1119.
76 12 19 1300	21.4	.503	.383	1.440	.347		1.020		4.10	65.50	.95	.23	1074.
76 12 20 1300	29.0	.555	.388	1.440	.324		1.220		8.70	63.80	1.07	.37	1079.
76 12 21 700	33.0	.523	.394	1.490	.354		.970		4.10	64.00	.94	.20	1086.
76 12 22 1300	33.0	.506	.366	1.670	.631		1.520		5.60	77.00	1.55		1053.
76 12 23 1300	25.0	.523	.386	1.720	.645		1.500		7.10	71.00	1.64		1047.
76 12 24 1300	31.0	.537	.390	1.520	.578		1.580		6.80	67.70	1.45		1021.
76 12 25 1300	27.0	.532	.384	1.490	.454		1.490		5.10	67.00	1.15		1063.
76 12 26 1300	25.0	.554	.420	1.480	.335		1.440		6.10	66.30	1.24		1063.
76 12 27 700	25.0	.544	.388	1.440	.388		1.420		4.10	66.70	1.42		1043.
76 12 28 700	25.0	.889	.753	1.620	1.580		2.910		2.80	75.20	1.16		1176.
76 12 29 700	26.0	.829	.661	1.340	1.990		3.240		5.80	74.50	1.82		1175.
76 12 29 1900	29.0	.824	.696	1.120	1.880		3.100		5.40	72.00	1.23		1152.
76 12 30 1900	32.0	.810	.618	1.490	1.580		2.400		8.10	78.60	3.37		1202.
77 1 1 1900	28.0	.847	.638	.710	2.000		4.500		6.90	86.80	3.71		1244.
77 1 2 1900	33.0	.830	.647	.420	2.000		4.720		6.30	86.70	2.56		1244.
77 1 3 1300	33.0	.792	.615	.280	2.000		3.490		5.90	87.10	2.36		1266.
77 1 3 1900	34.0	.703	.580	.260	2.000				6.10	86.20			1283.
77 1 4 1900	33.0	.736	.605	.640	2.000				4.20	73.10			1200.
77 1 5 1900	33.0	.808	.643	.550	2.000				4.70	74.00			1199.
77 1 6 1900	34.0	.850	.654	.650	2.000				5.70	71.20			1200.
77 1 7 1900	35.0	.774	.600	.640	2.000				5.00	77.20			1224.
77 1 8 1900	36.5	.764	.542	.540	2.000				5.30	73.20			1229.
77 1 9 1900	48.4	.732	.458	.500	2.000				3.50	71.40			1222.
77 1 10 1300	60.4	.599	.447	.500	2.000				3.40	69.30			1195.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 24/2 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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	CONO 25C. UMHO
77	1 12 1300	75.6	.685	.425	.530	2.000				42.00	72.80			1147.
77	1 13 1300	85.1	.582	.416	.490	2.000				5.10	74.00			1164.
77	1 14 1300	95.0	.675	.462	.440	2.000				4.20	70.90			1153.
77	1 15 1300	101.0	.749	.511	.450	2.000				3.00	69.80			1163.
77	1 16 1300	103.0	.801	.564	.510	2.000				3.20	72.40			1184.
77	1 17 700	12.0	.922	.583	.480	2.000				4.30	77.90			1220.
77	1 18 1900	12.0	.887	.647	.450	2.000				6.50	72.20			1206.
77	1 19 1900	13.0	.831	.593	.430	2.000				3.10	73.00			1201.
77	1 20 1300	14.0	1.030	.506		2.000				10.70	73.20			1213.
77	1 21 1300	14.0	.823	.561	.330	2.000				7.60	73.10			1215.
77	1 22 1300	14.0	.866	.582	.330	2.000				8.00	69.00			1181.
77	1 23 1300	14.0	.904	.600	.360	2.000				9.60	67.40			1186.
77	1 24 700	13.0	.914	.604	.380	2.000				7.70	64.50			1172.
77	1 25 1900	13.0	.978	.650	.930	2.000				5.80	67.30	7.46	.36	1150.
77	1 26 1900	12.0	.990	.686	.480	2.000				5.90	68.00	7.65	.38	1165.
77	1 27 1900	12.0	.934	.651	.430	2.000				5.60	68.80	7.54	.40	1172.
77	1 28 1900	11.0	1.050	.740	.490	2.000				6.20	69.50	7.60	.42	1197.
77	1 29 1900	11.0	1.200	.855	.500	2.000				5.60	69.10	7.84	.44	1161.
77	1 30 1900	12.0	1.220	.868	.330	2.000				6.80	69.30	7.94	.43	1169.
77	1 31 1300	12.0	1.170	.848	.150	2.000				6.70	70.20	7.44	.43	1173.
77	2 10 1900	11.0	.811	.622	.300	2.000				6.30	78.30	8.17		1114.
77	2 11 1900	11.0	.855	.652	.270	2.000				6.00	83.70	8.05		1137.
77	2 12 1900	11.0	1.200	.959	.380	2.000				11.10	121.00	7.95		1325.
77	2 13 1300	13.0	1.050	.749	.790	2.000				19.40	156.00	6.76		1485.
77	2 14 700	20.0	.779	.550	.610	2.000				13.90	126.00	7.31		1302.
77	2 15 1300	300.0	2.000							106.00		5.30	1.67	902.
77	2 16 1300	280.0	1.230							64.70		5.65	1.04	933.
77	2 17 1300	200.0	1.400							76.40		5.95	1.11	883.
77	2 18 1300	180.0	1.070							34.80		6.20	.68	824.
77	2 19 1300	155.0	.671							23.80		6.10	.64	729.
77	2 20 1300	135.0	.720							25.90		6.10	.57	711.
77	2 21 700	125.0	.565							14.90		6.50	.48	714.
77	2 22 700	200.0	.523	.326	3.740	.248		1.410		23.70	77.90	6.74		766.
77	2 22 1300	200.0	.483	.358	2.300	.636		1.580		14.60	79.50	6.86		770.
77	2 22 1900	200.0	.467	.348	2.940	.791		1.550		12.60	79.80	6.79		785.
77	2 23 700	301.4	.434	.317	2.770	.819		1.380		12.20	79.30	6.81		785.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION / CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME	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
77	23 1300	330.0	.940	.371	3.310	.559		1.970		55.20	81.10	5.54		782.
77	23 140	367.5	.934	.357	3.270	.150		1.670		100.00	79.00	6.10		750.
77	24 700	1656.0	4.360	.327	1.090	.761		2.960		232.00	58.70	4.86		574.
77	24 1300	1524.0	2.330	.354	1.650	.757		3.260		263.00	56.90	4.78		558.
77	24 1900	1826.0	3.310	.318	1.410	.759		4.090		293.00	46.50	3.85		448.
77	25 100	2024.0	1.450	.381	1.770	1.080		3.700		360.00	42.70	3.89		411.
77	25 700	2272.0	1.190	.327	2.130	.919		2.870		290.00	40.90	3.58		373.
77	25 1300	2665.0	1.110	.257	2.210	.914		3.230		340.00	40.30	3.80		372.
77	25 1900	2899.0	.926	.216	2.460	.539		3.270		325.00	40.20	3.77		372.
77	26 100	2962.0	.764	.180	2.560	.427		2.780		284.00	36.60	3.44		332.
77	26 700	2184.0	.666	.156	2.840	.295		2.480		241.00	35.80	3.58		315.
77	26 1300	1198.0	.548	.112	3.030	.272		1.970		197.00	35.90	3.73		311.
77	26 1700	986.0	.553	.106	3.230	.262		2.570		235.00	36.20	3.86		312.
77	26 700	691.0	.470	.084	3.450	.259		2.150		193.00	36.90	4.14		321.
77	26 1300	676.6	.423	.085	3.850	.255		1.700		179.00	39.30	4.59		353.
77	27 1900	685.2	.370	.091	4.210	.250		1.470		153.00	41.60	4.81		383.
77	28 100	676.6	.306	.081	4.440	.274		1.460		125.00	44.30	5.40		420.
77	28 700	629.4	.320	.125	4.490	.267		15.500		115.00	48.60	5.36		452.
77	28 1300	590.4	.281	.119	4.590	.293		1.320		88.90	48.00	5.53		470.
77	29 1900	524.8	.232	.113	5.780	.172		1.140		56.40	52.90	6.18	2.00	535.
77	31 1900	348.8	.175	.104	5.560	.269		1.150		19.20	53.90	6.43	1.00	578.
77	31 1900	211.6	.183	.125	4.950	.359		.690		16.80	54.10	6.63	.70	612.
77	31 1900	172.0	.171	.106	4.230	.450		.900		10.30	53.00	6.84	.70	649.
77	4 1900	298.2	.164	.100	3.570	.347		.790		17.90	56.90	6.85	.70	672.
77	4 1900	398.8	.240	.103	4.990	.315		1.380		69.10	57.10	6.48	2.80	544.
77	7 1400	241.0	.277	.110	6.170	.208				17.30	54.20	8.25		615.
77	7 1400	220.0	.190	.080	5.630	.336				16.30	53.90	7.16		638.
77	7 1400	179.2	.160	.090	5.140	.213				11.70	53.80	7.58		658.
77	11 1700	176.0	.160	.090	4.610	.199				15.00	52.70	7.02		671.
77	11 1700	165.1	.199	.098	4.160	.163				19.80	52.30	6.74		677.
77	13 1500	435.0	.228	.090	3.950	.242				42.80	54.60	6.26		696.
77	14 1300	533.0	.420	.145	5.240	.186				115.00	59.10	6.71		639.
77	14 1500	436.8	.430	.161	5.710	.084		1.090		118.00	63.10	7.30	4.00	604.
77	15 1400	311.0	.244	.140	6.080	.087		1.020		59.70	60.10	7.98	2.60	604.
77	16 1900	259.0	.210	.150	5.310	.284		1.660		35.00	56.70	7.55	1.40	635.
77	17 1900	162.0	.184	.138	4.470	.060		.678		37.10	56.10	6.38	.90	666.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS P.O. 04196500

SAMPLING DATE	TIME 2470	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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
YR MO DY	HRS.													
77	3	18	1900	1007.2	.367	.156	3.760	.067	1.040	119.00	55.80	5.27	4.30	631.
77	3	19	100	1816.0	.596	.150	5.190	.128	4.390	337.00	51.60	5.70	11.90	562.
77	3	19	700	1803.0	.721	.185	6.600	.286	2.090	340.00	48.60	6.10	14.30	487.
77	3	19	1800	1976.0	.700	.166	6.970	.197	2.120	373.00	49.40	6.23	14.30	422.
77	3	20	100	1474.0	.642	.142	7.020	.170	2.390	298.00	44.90	6.19	14.30	402.
77	3	20	700	1132.0	.545	.136	7.180	.179	2.230	212.00	41.50	6.30		420.
77	3	20	1300	865.0	.432	.133	7.530	.173	2.570	150.00	41.30	6.58	10.50	447.
77	3	20	1900	729.4	.371	.094	7.910	.186	1.730	126.00	42.70	7.20	2.30	472.
77	3	21	100	667.0	.337	.132	7.940	.133	1.670	108.00	43.50	7.02	2.60	473.
77	3	21	700	620.0	.279	.138	7.660	.148	1.630	85.40	43.50	7.09	2.40	473.
77	3	21	1300	584.8	.207	.072	7.200	.100		47.30	40.20	7.03	2.50	514.
77	3	21	1900	537.3	.207	.073	7.200	.087		36.60	41.20	6.97	2.90	543.
77	3	22	100	447.1	.192	.069	7.020	.077		37.70	41.20	6.85	2.60	553.
77	3	22	700	499.4	.301	.099	6.480			70.70	42.60	7.79	3.90	554.
77	3	22	1300	567.4	.226	.080	6.410	.118		56.80	42.30	6.71	3.30	563.
77	3	22	1900	823.4	.268	.084	6.420	.064		81.20	41.30	6.71	4.70	545.
77	3	23	100	1120.0	.310	.077	7.080	.256		104.00	39.70	7.65	6.60	506.
77	3	23	700	1306.0	.320	.084	7.420	.097		120.00	39.90	7.08	6.40	482.
77	3	23	1300	1288.0	.347	.077	7.540	.119		124.00	40.40	7.04	6.90	485.
77	3	23	1900	1144.0	.312	.081	7.640	.062		93.00	40.30	6.50	5.90	477.
77	3	24	100	967.5	.275	.069	7.790	.077		82.20	40.00	7.47	5.20	478.
77	3	24	700	793.0	.233	.069	7.920	.088		64.30	40.10	6.79	4.30	490.
77	3	24	1300	652.9	.205	.065	7.830	.106		55.20	40.40	7.48	3.50	506.
77	3	25	1300	388.9	.157	.063	6.670	.073		37.30	41.10	7.50	2.10	575.
77	3	26	1300	276.1	.148	.068	6.040	.077		30.70	41.90	6.68	1.50	611.
77	3	27	1300	222.0	.136	.055	5.280	.077		29.40	41.80	5.87	1.50	634.
77	3	28	700	233.2	.236	.073	4.520	.046		41.10	42.80	5.12	1.80	631.
77	3	29	100	467.6	.228	.098	4.270	.045		11.60	34.00	7.24	2.90	574.
77	3	29	1900	839.0	.323	.116	5.860	.026		132.00	35.50	8.79	5.40	532.
77	3	30	1900	508.8	.274	.100	6.290	.030		114.00	33.80	8.89	4.80	505.
77	3	31	1900	278.2	.221	.091	5.940	.033		70.70	32.30	8.97	3.60	540.
77	4	1	1900	209.0	.277	.200	5.310	.069		35.30	34.00	7.05	1.50	600.
77	4	2	1900	849.4	.429	.177	4.950	.063		137.00	34.00	7.09	5.60	561.
77	4	2	100	1803.0	.491	.164	3.950	.049		220.00	30.80	7.79	8.40	522.
77	4	3	700	2396.0	.708	.134	5.210	.080		366.00	24.20	7.90	17.20	423.
77	4	3	1200	2719.0	.754	.137	5.550	.105		377.00	23.60	10.20	18.40	392.

AD-A079 691

CORPS OF ENGINEERS BUFFALO N Y BUFFALO DISTRICT

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WATER QUALITY DATA FOR SANDUSKY RIVER MATERIAL TRANSPORT STATIO--ETC(U)

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LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 24 H	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
YR	MO	DAY	HRS											
77	4	3	1900	2953.0	.714	.121	5.540	.092		349.00	21.40	8.55	18.00	361.
77	4	4	1900	3180.0	.677	.111	5.270	.089		296.00	18.60	9.15	17.80	333.
77	4	4	1900	3323.0	.653	.097	4.980	.067		284.00	19.30	7.73	17.10	353.
77	4	4	1900	3200.0	.621	.094	4.890	.067		242.00	17.20	10.10	16.20	323.
77	4	4	1900	1953.0	.488	.089	6.030	.055		225.00	18.70	7.45	11.20	394.
77	4	5	1900	1210.0	.440	.091	6.250	.040		197.00	20.40	7.65	9.50	429.
77	4	5	1900	945.0	.360	.089	6.150	.047		153.00	21.70	7.68	7.60	450.
77	4	5	1900	828.0	.370	.101	5.920	.043		139.00	22.80	7.73	6.80	472.
77	4	5	1900	773.0	.333	.103	5.770	.195		99.90	23.40	7.67	6.10	470.
77	4	6	1900	576.0	.263	.085	5.310	.045		78.30	25.70	7.32	4.50	512.
77	4	7	1900	444.0	.204	.082	5.180	.623		49.00	30.80	7.47	2.80	556.
77	4	8	1900	353.5	.165	.073	5.110	.949		30.10	27.70	7.14	2.10	566.
77	4	8	1900	267.4	.164	.068	5.050	.088		41.40	29.40	6.74	1.90	591.
77	4	10	1900	216.8	.310	.203	4.770	.120		32.40	30.50	5.88	1.70	619.
77	4	11	1900	198.6	.167	.081	4.460	.201		32.50	30.60	5.66	1.60	636.
77	4	11	1900	191.2	.167	.079	4.630	.047		17.80	33.90	5.64	1.30	647.
77	4	13	1900	138.5	.169	.086	3.820	.067		37.30	33.80	4.40	1.10	661.
77	4	14	1900	128.0	.120	.064	3.280	.040		31.70	33.20	3.22	.90	678.
77	4	15	1900	111.2	.144	.069	2.770	.087		16.90	35.80	1.89	.80	678.
77	4	16	1900	97.0	.136	.072	2.290	.080		16.70	35.30	2.39	.70	667.
77	4	17	1900	89.0	.126	.060	2.030	.069		12.90	35.60	1.61	.60	642.
77	4	18	1900	81.3	.195	.087	2.150	.040		18.50	38.60	2.99	.70	710.
77	4	20	1900	77.5	.170	.097	2.000	.051		31.40	37.70	3.08	.80	709.
77	4	21	1900	75.6	.170	.073	1.210	.100		22.40	37.60	2.45	.90	708.
77	4	22	1900	115.4	.143	.071	.780	.234		31.50	38.00	1.58	.50	700.
77	4	23	1900	392.4	.325	.158	1.330	.084		48.20	41.60	2.51	1.60	708.
77	4	24	1900	503.6	.733	.215	2.350	.022		159.00	44.70	3.00	4.10	671.
77	4	25	1900	356.6	.417	.120	5.860	.048		130.00	38.50	8.90	4.70	581.
77	4	25	1900	323.6	.226	.106	6.210	.309		26.30	35.10	7.01	1.30	580.
77	4	26	1900	392.4	.232	.106	6.030	.250		72.60	35.10	6.47	1.90	574.
77	4	27	1900	357.0	.260	.109	6.080	.321		68.60	36.50	6.03	2.00	609.
77	4	28	1900	261.6	.447	.193	5.190	.133		117.00	36.90	4.83	1.80	638.
77	4	29	1900	224.8	.191	.101	4.660	.248		25.30	35.00	4.51	.80	622.
77	4	30	1900	201.2	.196	.096	4.330	.077		37.70	35.60	4.39	.80	634.
77	5	1	1900	165.1	.210	.092	3.780	.101		39.90	35.70	3.51	1.00	647.
77	5	2	1900	160.5	.384	.118	3.630	.140		33.30	36.50	2.63	1.10	654.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE YR MO DY	TIME 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	2	1550	146.9	.352	.188	3.000	.091		40.40	38.70	.87	1.00	658.
77	5	3	1550	144.8	.218	.137	2.580	.107		19.20	37.40	.90	.70	668.
77	5	4	1550	491.0	.303	.153	2.970	.084		119.00	36.10	1.83	2.00	626.
77	5	4	2150	828.6	.603	.146	5.840	.087		309.00	30.40	4.34	10.20	541.
77	5	4	350	923.5	.499	.154	7.490	.114		321.00	29.40	5.60	8.10	507.
77	5	4	950	1216.0	.553	.141	8.510	.102		275.00	28.60	6.53	9.60	481.
77	5	5	1550	1174.0	.584	.164	6.980	.056		268.00	30.00	6.28	9.00	500.
77	5	5	2150	990.1	.497	.138	7.120	.057		225.00	28.90	6.83	7.70	479.
77	5	5	350	849.4	.413	.117	7.450	.121		198.00	27.90	7.34	6.30	483.
77	5	5	950	753.4	.408	.123	7.730	.084		185.00	29.20	7.79	6.40	503.
77	5	6	1550	695.8	.405	.118	7.510	.072		181.00	30.90	7.78	5.90	518.
77	5	6	2150	606.8	.402	.122	7.350	.097		219.00	31.20	7.87	5.40	529.
77	5	6	350	512.0	.404	.116	6.910	.161		182.00	30.80	7.65	5.50	539.
77	5	6	950	433.0	.378	.120	6.440	.145		151.00	30.40	7.52	4.80	544.
77	5	7	1550	378.0	.279	.112	6.400	.073		152.00	31.50	7.74	2.70	559.
77	5	7	2150	336.6	.218	.124	6.240	.124		134.00	32.00	7.76	1.60	568.
77	5	7	350	331.4	.263	.125	5.930	.117		111.00	31.90	7.42	2.10	602.
77	5	7	950	273.2	.310	.121	5.940	.088		83.40	32.60	7.46	3.00	606.
77	5	8	1550	250.6	.302	.133	5.760	.123		77.40	33.10	7.35	2.80	614.
77	5	8	950	198.8	.235	.123	5.230	.117		47.70	33.20	6.56	1.80	642.
77	5	9	1900	161.6		.091	4.440	.035		37.30	31.20	5.15		620.
77	5	10	1900	146.9		.102	4.230	.032		24.80	32.00	6.09		647.
77	5	11	1900	125.9		.112	4.040	.049		22.30	32.50	5.33		659.
77	5	12	1900	109.1		.186	3.670	.048		28.80	33.60	4.01		681.
77	5	13	1900	97.0		.143	3.060	.092		15.20	33.50	2.64		682.
77	5	14	1900	107.0		.074	3.060	.040		19.00	32.90	2.81		690.
77	5	15	1900	79.4		.075	2.660	.069		25.30	33.70	2.74		693.
77	5	16	1900	71.0		.070	3.020	.062		35.70	33.50	3.39		720.
77	5	17	1900	69.7	.253	.186	2.480	.294		26.30	40.10	1.48	1.10	731.
77	5	17	1900	85.1	.550	.172	2.630	.340		391.00	41.30	1.71	13.30	682.
77	5	18	1900	64.7	.380	.214	2.270	.312		67.80	40.30	1.42	2.90	707.
77	5	19	1900	55.4	.286	.189	2.330	.300		63.60	40.40	1.87	2.30	748.
77	5	20	1900	48.5	.280	.165	1.530	.283		52.70	39.40	1.28	1.90	768.
77	5	21	1900	42.5	.308	.198	1.850	.243		52.70	40.70	2.12	1.90	780.
77	5	22	1900	38.0	.348	.202	1.850	.240		80.30	42.30	2.00	2.80	800.
77	5	24	1330	41.0	.392	.174	1.460	.284		97.10	42.00	1.19	3.30	883.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 24 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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY												
77	5	23	1900	41.0	.322	.149	1.450	.054	.750	45.20	41.00	1.37	2.00	783.
77	5	25	1900	62.0	.634	.304	1.730	.044		105.00	41.80	3.36	5.90	742.
77	5	26	1900	34.0	.522	.267	2.060	.061		107.00	48.40	3.97	3.70	770.
77	5	27	1900	26.0	.511	.224	1.810	.061		103.00	43.60	2.54	3.60	756.
77	5	28	1900	22.3	.401	.140	1.060	.180		82.10	41.20	1.72	2.50	731.
77	5	29	1900	19.6	.278	.111	.670	.202		38.40	40.70	1.10	1.20	728.
77	5	30	1900	17.8	.330	.118	.820	.198	2.130	57.80	40.40	1.42	2.00	742.
77	5	31	1900	18.7	.619	.149	1.130	.081	1.630	174.00	37.50	2.93	6.70	814.
77	6	2	1900	16.0	.448	.140	.910	.076		68.80	39.20	3.08	3.30	847.
77	6	3	1900	16.0	.440	.144	.740	.110		60.90	39.80	3.03	3.00	861.
77	6	4	1900	15.4	.427	.087	.540	.145		66.60	38.90	2.86	2.80	877.
77	6	5	1900	15.4	.539	.154	.660	.147		75.90	38.40	2.55	2.80	899.
77	6	6	1900	15.4	.485	.107	.930	.140	1.490	99.40	40.00	3.75	3.80	897.
77	6	7	1900	15.4	.472	.147	1.270	.094	1.180	105.00	38.70	4.99	3.90	917.
77	6	8	1900	15.4	.421	.156	1.450	.111		115.00	42.10	4.63	3.60	903.
77	6	9	1900	20.1	.447	.192	1.390	.098		82.20	44.30	4.79	2.10	937.
77	6	10	1900	27.7	.805	.289	.970	.377		86.10	47.10	5.15	2.70	947.
77	6	11	1900	35.7	.561	.185	.600	.143		152.00	48.10	4.79	4.60	844.
77	6	12	1900	23.0	.535	.139	.330	.138		118.00	46.80	4.43	3.90	883.
77	6	13	1900	22.3	.401	.119	.510	.089		131.00	49.40	3.78	4.30	894.
77	6	14	1900	19.6	.378	.118	.740	.109	1.760	103.00	46.40	3.77	3.20	871.
77	6	15	1900	45.0	.329	.134	2.030	.064	.920	76.60	45.80	4.06	2.40	872.
77	6	16	1900	110.0	.343	.165	1.830	.056		64.30	47.40	3.93	2.60	847.
77	6	17	1900	70.0	.326	.166	2.100	.012		43.50	52.10	1.73	1.70	869.
77	6	18	1900	43.0	.336	.178	1.450	.201		52.50	59.30	1.52	2.20	885.
77	6	19	1900	22.0	.386	.171	1.730	.056	.980	58.30	57.20	.62	2.10	846.
77	6	20	1900	21.4	.544	.167	1.270	.176		63.10	51.10	2.42	2.10	826.
77	6	21	1900	18.7	.497	.170	1.260	.114		224.00	45.20	3.40	4.80	841.
77	6	22	1900	14.0	.394	.196	1.190	.110		96.70	47.30	3.55	3.00	833.
77	6	23	1900	13.0	.412	.159	.990	.128		86.80	55.90	3.94	2.30	904.
77	6	24	1900	12.3	.373	.156	1.010	.177		84.60	55.30	3.25	2.80	940.
77	6	25	1900	12.7	.403	.171	1.020	.100		76.20	55.00	3.68	2.10	929.
77	6	26	1900	11.1	.426	.120	.790	.293		85.50	57.60	4.17	2.60	971.
77	6	27	1900	10.0	.498	.135	1.130	.201		85.80	57.70	2.19	2.40	973.
77	6	28	1900	11.1	.854	.313	3.020	.010		110.00	58.10	.97	2.90	958.
77	6	29	1900							328.00	56.60	1.30	7.80	922.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

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 28 100	10.5	.436	.235	1.980	.014				157.00	55.10	1.79	2.70	906.
77	6 28 700	9.9	.447	.272	1.720					110.00	57.00	1.91	2.40	925.
77	6 28 1300	9.9	.474	.298	1.430	.120				76.80	57.30	1.21	1.80	931.
77	6 28 1900	9.9	.485	.260	1.090	.068				85.40	57.50	.89	2.70	934.
77	6 29 700	14.8	.518	.274	.910	.043				112.00	54.70	2.37	3.30	920.
77	6 29 1300	14.2	.538	.257	2.480	.019				124.00	52.70	2.67	3.90	917.
77	6 29 1900	13.6	.641	.406	1.020	.094				62.10	57.10	2.31	1.90	931.
77	6 30 100	13.6	.706	.389	2.110	.133				73.60	48.20	1.14	1.90	885.
77	6 30 700	13.6	.630	.364	.590	.050				75.80	49.70	1.10	2.50	859.
77	6 30 1300	13.6	.569	.307	.710	.025				87.30	52.60	1.82	2.90	873.
77	6 30 1900	13.0	.561	.265	.750	.135				69.30	53.80	2.69	2.20	891.
77	7 1 100	381.6	.513	.227	.390	.117				81.70	50.60	1.35	2.10	890.
77	7 1 700	273.2	1.480	.162	1.830	.289				1349.00	28.20	3.91	49.90	498.
77	7 1 1300	624.7	2.000	.095	3.270	.212				3367.00	21.00	3.60	121.00	399.
77	7 1 1900	512.7	1.860	.170	4.050	.092				1683.00	31.50	5.19	63.10	536.
77	7 2 100	839.0	2.000	.206	5.090	.254				2028.00	28.90	4.95	81.80	442.
77	7 2 700	417.8	1.620	.162	8.680	.383				1365.00	21.00	5.16	55.00	379.
77	7 2 1300	558.8	1.370	.130	11.000	.210				1093.00	23.10	6.16	46.60	414.
77	7 2 1900	216.8	1.270	.124	12.500	.161				994.00	26.70	6.61	41.00	464.
77	7 3 100	304.6	.986	.127	14.100	.292				696.00	26.90	6.85	29.50	477.
77	7 3 700	233.2	.937	.129	14.200	.223				625.00	28.20	7.32	25.70	491.
77	7 3 1300	188.8	.857	.125	14.700	.089				555.00	28.60	8.89	22.30	507.
77	7 4 1300	107.0	.812	.179	14.400	.047		2.830		509.00	32.10	9.57	16.40	585.
77	7 4 1900	97.0	.583	.159	13.500	.063		2.000		318.00	34.10	9.69	10.40	613.
77	7 5 100	91.0	.492	.154	13.100	.040		1.680		259.00	33.90	9.87	8.40	628.
77	7 5 700	83.2	.451	.160	12.200	.030		1.830		221.00	33.70	10.80	7.30	640.
77	7 5 1300	125.9	.512	.148	11.200	.059		1.600		272.00	33.00	10.20	9.00	630.
77	7 6 100	448.2	.544	.150	10.200	.041		1.770		311.00	32.50	9.36	9.90	628.
77	7 6 700	463.7	.994	.261	8.120	.037		2.660		608.00	39.60	9.91	16.90	633.
77	7 6 1300	406.8	1.220	.190	7.880	.021		2.920		779.00	29.60	7.28	27.00	477.
77	7 6 1900	323.8	1.220	.142	7.810	.079		3.190		900.00	26.40	8.47	31.60	479.
77	7 7 100	247.2	1.270	.111	7.710	.050		3.140		984.00	20.70	6.97	38.00	389.
77	7 7 700	193.6	1.060	.121	8.800	.072		2.980		703.00	21.00	7.14	29.40	481.
77	7 7 1300	162.8	.893	.134	9.770	.128		2.300		549.00	22.30	8.83	22.40	418.
77	7 7 1900	144.8	.814	.138	10.100	.061		2.060		498.00	24.00	8.76	19.40	446.
77	7 8 100	130.1	.822	.119	9.980	.077		2.260		693.00	25.00	8.62	24.20	459.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

SAMPLING DATE	TIME 24 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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
YR MO DY	HR													
77	7	8	700	109.1	.573	.204	4.963	.043	1.293	246.00	27.80	9.18	9.50	496.
77	7	8	1300	99.0	.996	.173	9.858	.039		576.00	28.10	9.80	10.80	493.
77	7	8	1400	89.0	.554	.153	9.590	.046	1.450	281.00	28.30	9.26	9.80	536.
77	7	8	1500	81.7	.467	.151	9.533	.056	1.780	276.00	29.50	9.64	7.50	540.
77	7	8	700	188.8	.470	.159	9.312	.070	1.983	235.00	29.90	10.10	7.40	546.
77	7	9	1300	238.8	.554	.154	8.763	.051	1.960	316.00	29.90	9.76	9.00	572.
77	7	10	100	172.0	.718	.171	7.750	.059	2.060	432.00	31.20	10.40	12.70	581.
77	7	10	700	140.6	.661	.165	6.770	.043	2.290	401.00	30.70	10.60	12.10	582.
77	7	10	1300	117.6	.752	.144	5.830	.034	2.103	476.00	28.60	9.86	17.30	507.
77	7	10	1900	103.0	.786	.156	5.600	.091	2.130	450.00	27.70	8.66	17.80	463.
77	7	11	100	89.0	.682	.154	5.720	.058	2.350	380.00	27.50	8.20	14.40	464.
77	7	11	700	77.5	.679	.152	5.850	.048	3.880	341.00	27.50	9.03	14.30	463.
77	7	11	1300	66.2	.654	.193	5.430	.117	1.450	332.00	28.20	11.40	12.60	530.
77	7	11	1900	60.4	.524	.167	4.620	.114	2.380	218.00	31.00	10.30	8.90	544.
77	7	12	100	53.6	.460	.171	4.890	.057	2.030	166.00	31.70	9.43	7.70	558.
77	7	12	700	47.0	.481	.168	5.060	.061	1.470	197.00	31.10	9.75	8.20	559.
77	7	12	1300	44.0	.460	.157	4.450	.077	2.600	193.00	32.20	10.80	8.10	543.
77	7	13	100	38.0	.427	.155	4.150	.068	1.990	146.00	33.40	10.00	6.30	579.
77	7	13	700	35.0	.401	.154	4.310	.050	1.410	140.00	33.50	9.16	6.00	589.
77	7	13	1300	41.0	.452	.164	4.380	.055	1.370	175.00	33.00	10.30	7.20	577.
77	7	13	1900	35.0	.440	.180	4.110	.044	.795	124.00	33.50	10.50	5.00	556.
77	7	14	100	33.0	.396	.157	3.930	.044	1.130	136.00	34.00	10.40	5.40	563.
77	7	14	700	33.0	.346	.157	3.880	.087	2.470	96.30	34.10	8.76	4.30	625.
77	7	14	1300	32.0	.377	.160	3.970	.070	1.990	119.00	33.30	9.66	5.10	646.
77	7	14	1900	30.0	.383	.143	3.710	.073	1.620	131.00	32.90	10.90	5.30	633.
77	7	15	100	27.0	.360	.150	3.650	.054	1.310	94.80	33.20	10.80	4.20	642.
77	7	15	700	26.0	.343	.150	3.570	.072	1.170	89.90	34.10	11.10	3.70	664.
77	7	15	1300	26.0	.400	.160	3.660	.074	1.560	128.00	34.30	11.20	5.20	680.
77	7	15	1900	25.0	.370	.150	3.570	.073	1.280	110.00	34.20	9.90	4.30	678.
77	7	16	100	24.0	.370	.134	3.240	.110	1.490	112.00	34.60	10.20	4.20	679.
77	7	16	700	22.0	.452	.134	2.970	.064	1.430	169.00	36.60	10.60	5.80	696.
77	7	16	1300	22.0	.529	.155	3.200	.086	1.960	185.00	36.70	10.00	6.50	712.
77	7	17	100	20.0	.545	.130	2.870	.121	1.600	173.00	37.10	9.61	7.00	716.
77	7	17	700	19.0	.535	.081	2.090	.100	2.330	230.00	36.90	8.84	7.30	705.
77	7	17	1300	17.0	.627	.080	3.370	.065	2.350	269.00	37.80	8.30	8.80	712.
77	7	17	1900	16.0	.607	.079	1.990	.115	3.500	333.00	38.60	7.67	11.70	700.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR UPPER SANDUSKY, OHIO

USGS NO. 04196500

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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77	7	18	100	15.4	.898	.077	1.710	.109	3.140	434.00	38.10	6.71	14.40	712.
77	7	18	700	15.4	.691	.053	1.780	.079	3.000	357.00	36.80	5.58	10.50	652.
77	7	18	1300	16.0	.867	.153	1.420	.309		357.00	40.00	1.11	6.80	639.
77	7	18	1900	20.0	.614	.109	.870	.394		253.00	40.10	.98	7.00	627.
77	7	19	100	23.0	.622	.204	1.660	.345		182.00	43.10	1.20	5.30	669.
77	7	19	700	20.0	.735	.265	1.770	.048		236.00	43.00	2.16	5.90	670.
77	7	19	1300	19.0	.621	.190	.790	.402		241.00	41.40	.84	7.20	645.
77	7	20	100	29.0	.850	.122	.390	.650		408.00	40.70	1.00	13.10	652.
77	7	20	700	27.0	.879	.140	.780	.299		371.00	42.90	1.16	14.70	658.
77	7	20	1300	25.0	1.560	.135	.750	.138		744.00	43.20	1.68	30.00	661.
77	7	21	100	22.0	.812	.146	.740	.146		538.00	42.90	1.52	13.00	633.
77	7	21	700	19.0	.739	.099	.500	.249		343.00	43.10	.96	12.00	650.
77	7	21	1300	20.0	.698	.133	1.040	.155		286.00	44.80	1.42	10.70	675.
77	7	21	1900	136.0	.673	.129	1.080	.157		312.00	46.80	1.83	10.50	695.
77	7	22	100	62.0	.732	.128	.780	.116		291.00	45.90	1.71	11.10	696.
77	7	22	700	31.0	1.260	.158	.290	.607		1225.00	41.80	2.18	32.40	604.
77	7	22	1300	25.0	.939	.144	1.380	.292		623.00	33.10	3.24	24.90	475.
77	7	22	1900	42.0	.625	.153	1.430	.203		303.00	38.00	3.86	12.50	544.
77	7	23	100	639.0	.525	.171	.420	.599		157.00	38.80	3.64	6.10	560.
77	7	23	700	634.0	.473	.132	1.010	.234		161.00	40.10	4.65	6.70	610.
77	7	23	1300	571.0	1.760	.376	1.130	.491		893.00	43.40	5.69	29.60	585.
77	7	24	100	436.0	1.680	.160	2.360	.242		1000.00	21.70	5.22	42.40	347.
77	7	24	700	388.0	1.340	.132	3.190	.136		770.00	23.00	5.95	33.80	386.
77	7	24	1300	295.0	1.290	.123	3.810	.205		786.00	18.00	5.77	37.30	325.
77	7	24	1900	214.0	1.890	.113	3.970	.120		1431.00	16.00	6.02	55.80	313.
77	7	25	100	165.0	1.430	.107	4.110	.245		1029.00	15.20	6.43	41.30	300.
77	7	25	700	138.0	.969	.116	4.330	.221		495.00	15.40	7.11	25.20	302.

**TYMOCHTEE CREEK
AT
CRAWFORD, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION #/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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. UMMO
76	1	4	113.0	418.0	.260	.070	8.800	.100		43.30	31.00			525.
76	1	5	160.0	234.8	.142	.060	8.600	.110		42.90	34.00		9.12	575.
76	1	6	160.0	177.0	.132	.060	9.200	.090		42.30	35.00		7.68	607.
76	1	7	160.0	121.2	.114	.050	9.260	.050		28.10	36.00		6.45	627.
76	1	8	160.0	84.6	.100	.050	8.600	.080		23.80	36.00		4.77	682.
76	1	9	160.0	75.6	.137	.060	8.300	.170		38.10	36.00		6.79	718.
76	1	10	160.0	62.4	.151	.060	8.300	.280		34.70	36.00		7.26	726.
76	1	11	160.0	41.0	.167	.050	8.500	.390		39.40	37.00		8.10	732.
76	1	12	100.0	32.7	.182	.050	8.700	.570		36.30	38.00		8.42	726.
76	1	12	160.0	32.7	.246	.040	9.100	.800	2.060	37.10	38.00			736.
76	1	13	160.0	32.7	.207	.030	8.900	.830	2.010	30.60	38.00			743.
76	1	14	160.0	100.4	.201	.030	9.000	1.000	2.260	15.60	38.00			737.
76	1	15	160.0	70.0	.165	.030	9.000	1.150	2.260	20.30	39.00			760.
76	1	16	160.0	143.0	.155	.030	9.000	1.330	2.420	17.20	38.00			756.
76	1	17	160.0	89.2	.131	.020	9.000	1.660	2.510	15.50	39.00			786.
76	1	18	160.0	67.6	.110	.020	9.000	1.690	2.600	9.30	39.00			793.
76	1	19	400.0	58.5	.110	.020	9.200	1.740	2.540	21.40	40.00			724.
76	1	20	103.0	37.7	.150	.060	5.100	.360		25.00	35.00			694.
76	1	21	113.0	32.7	.095	.050	3.100	.330		15.20	35.00			721.
76	1	22	103.0	29.8	.095	.040	3.100	.300		5.30	35.00			957.
76	1	23	103.0	28.9	.069	.040	3.000	.170		6.70	35.00			797.
76	1	24	103.0	27.9	.064	.030	2.900	.170		7.70	36.00			875.
76	1	25	103.0	27.9	.056	.030	2.800	.160		7.00	36.00			916.
76	1	26	203.0	46.0	.071	.030	2.900	.200		7.60	75.00			1126.
76	1	26	430.0	554.0	.237	.170	1.900	.630		27.70	100.00			1580.
76	1	26	103.0	100.0	.153	.100	1.200	.340		23.20	81.00			584.
76	1	26	103.0	100.0	.357	.130	1.400	.480		128.00	32.00			308.
76	1	26	203.0	1068.0	.525	.130	1.400	.510		291.00	12.00			203.
76	1	27	430.0	1230.0	.498	.140	1.600	.610		236.00	14.00			205.
76	1	27	100.0	1030.0	.503	.170	2.000	.660		169.00	14.00			192.
76	1	27	160.0	1230.0	.448	.160	2.230	.570		160.00	15.00			204.
76	1	27	200.0	1000.0	.420	.160	2.300	.510		104.00	17.00			220.
76	1	28	400.0	250.0	.418	.190	2.200	.530		113.00	17.00			209.
76	1	28	160.0	250.0	.441	.200	2.100	.580		85.30	16.00			195.
76	1	28	160.0	250.0	.460	.200	2.200	.560		124.00	15.00			189.
76	1	28	220.0	250.0	.449	.200	2.300	.510		106.00	15.00			209.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLORIDE	SI02	IRON	COND 25C. UNNO
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	
76	1	29	400	120.0	.449	.190	2.600	.470		102.00	15.00			195.
76	1	29	1000	120.0	.397	.180	2.900	.440		88.30	15.00			180.
76	1	29	1600	120.0	.370	.160	3.300	.410		65.30	16.00			232.
76	1	29	2200	120.0	.346	.150	3.600	.370		70.90	17.00			260.
76	1	30	400	74.0	.312	.150	3.800	.340		54.10	18.00			284.
76	1	30	1000	74.0	.287	.160	3.900	.330		61.30	19.00			322.
76	1	30	1600	74.0	.239	.130	4.200	.280		49.50	20.00			361.
76	1	30	2200	74.0	.228	.120	4.400	.270		25.20	22.00			407.
76	1	31	400	56.0	.219	.110	4.500	.250		39.10	22.00			425.
76	1	31	1000	56.0	.201	.100	4.500	.240		36.50	23.00			448.
76	1	31	1600	56.0	.177	.100	4.600	.230		30.30	23.00			469.
76	1	31	2200	56.0	.173	.100	4.600	.220		43.20	24.00			486.
76	2	1	400	43.0	.172	.100	4.600	.220		22.30	24.00			502.
76	2	1	1000	43.0	.161	.090	4.600	.210		19.80	24.00			516.
76	2	1	1600	43.0	.158	.090	4.660	.210		24.60	25.00			524.
76	2	1	2200	43.0	.150	.080	4.600	.200		18.20	25.00			541.
76	2	2	400	35.0	.141	.080	4.600	.190		19.00	25.00			553.
76	2	2	1000	35.0	.132	.070	4.600	.170		10.30	26.00			569.
76	2	3	1130	30.0	.164	.140	4.600	.270		36.50	26.00		12.00	638.
76	2	3	1730	30.0	.140	.140	4.400	.290		110.00	260.00		1.10	6798.
76	2	3	2330	30.0	.130	.130	4.400	.290		7.60	27.00		10.00	701.
76	2	4	530	25.0	.120	.120	4.400	.280		8.50	27.00		8.90	714.
76	2	4	1130	25.0	.110	.110	4.300	.260		9.10	27.00		9.10	727.
76	2	5	1130	21.0	.160	.160	4.200	.240		6.10	28.00		7.70	755.
76	2	6	1130	21.0	.100	.100	4.100	.220		5.20	28.00		7.40	764.
76	2	7	1130	20.0	.100	.100	4.000	.210		7.30	29.00		5.90	772.
76	2	8	1130	19.0	.100	.100	3.900	.210		7.00	29.00		5.30	797.
76	2	9	1500	35.0	.167	.130	3.600	.390	1.370	9.50	34.00			825.
76	2	9	2100	35.0	.166	.130	3.400	.410		12.70	33.00			824.
76	2	10	300	155.0	.157	.120	3.300	.370		10.00	32.00			843.
76	2	10	1500	155.0	.129	.100	3.400	.330	.820	8.90	33.00			850.
76	2	11	300	112.0	.290	.200	3.300	1.000		42.10	100.00			1260.
76	2	11	900	640.0	.285	.150	2.000	.850		69.70	63.00			618.
76	2	11	1500	640.0	.444	.170	1.700	.630	2.410	211.00	20.00			280.
76	2	11	2100	640.0	.403	.180	1.700	1.230		147.00	16.00			318.
76	2	12	300	240.0	.392	.180	1.900	1.000		135.00	17.00			312.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION #/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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	CR6. 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 12 900	240.0	.474	.200	1.500	1.170				180.00	16.00			239.
76 2 12 1500	240.0	.437	.220	1.700	.640		2.470		128.00	14.00			241.
76 2 12 2100	240.0	.445	.220	1.900	.840				148.00	14.00			239.
76 2 13 300	210.0	.334	.150	2.200	.700				85.70	16.00			251.
76 2 13 900	210.0	.327	.150	2.400	.890				85.60	17.00			273.
76 2 13 1500	210.0	.350	.160	2.300	.890		2.950		107.00	14.00			253.
76 2 13 2100	210.0	.369	.170	2.100	.900				100.00	14.00			223.
76 2 14 300	190.0	.367	.160	2.200	.810				111.00	13.00			213.
76 2 14 900	190.0	.387	.160	2.100	.710				88.20	13.00			208.
76 2 14 1500	190.0	.351	.150	2.300	.670		2.510		102.00	13.00			212.
76 2 14 2100	190.0	.349	.150	2.400	.680				107.00	13.00			217.
76 2 16 300	600.0	.256	.110	3.600	.640		2.360		56.70	16.00			314.
76 2 16 900	600.0	.278	.090	3.800	.670		2.410		85.00	17.00			326.
76 2 16 1500	600.0	.369	.050	5.700	.230				206.00	27.00			381.
76 2 16 2100	600.0	.484	.050	5.800	.240				323.00	25.00			376.
76 2 17 300	1900.0	.613	.050	5.600	.230				462.00	40.00			378.
76 2 17 900	1900.0	.703	.050	5.600	.190				552.00	24.00			357.
76 2 17 1500	1900.0	.807	.050	5.600	.190				615.00	26.00			349.
76 2 17 2100	1900.0	.881	.040	5.400	.190				750.00	100.00			340.
76 2 18 300	640.0	.971	.040	5.200	.310				864.00	100.00			330.
76 2 18 900	640.0	1.020	.040	5.500	.190				994.00	18.00			326.
76 2 18 1500	640.0	1.120	.040	5.500	.210				1021.00	18.00			323.
76 2 18 2100	640.0	1.120	.040	5.600	.180				1033.00	19.00			321.
76 2 19 300	280.0	1.130	.040	5.500	.140				1032.00	20.00			315.
76 2 19 900	280.0	1.150	.040	5.500	.140				911.00	20.00			307.
76 2 19 1500	280.0	1.140	.050	5.500	.160				964.00	26.00			309.
76 2 19 2100	280.0	1.090	.050	5.500	.130				977.00	16.00			304.
76 2 20 300	410.0	1.080	.040	5.400	.220				766.00	22.00			302.
76 2 20 900	410.0	1.060	.040	5.100	.310				932.00	100.00			298.
76 2 20 1500	410.0	1.060	.040	5.300	.220				838.00	33.00			297.
76 2 20 2100	410.0	1.040	.040	5.400	.220				929.00	33.00			294.
76 2 21 300	620.0	1.030	.050	5.400	.240				885.00	48.00			292.
76 2 21 900	620.0	1.040	.050	5.400	.220				829.00	28.00			289.
76 2 21 1500	620.0	1.030	.050	5.400	.220				907.00	19.00			288.
76 2 21 2100	620.0	1.060	.050	5.300	.230				746.00	39.00			286.
76 2 22 300	460.0	1.100	.040	5.300	.210				893.00	25.00			285.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLE DATE	TIME HR	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NO-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	2 22	1530	460.0	1.120	.040	5.100	.310			997.00	100.00			283.
76	2 22	1530	460.0	1.130	.040	5.300	.230			1017.00	18.00			280.
76	2 22	2130	460.0	1.220	.040	5.200	.230			1113.00	25.00			279.
76	2 23	330	360.0	1.310	.050	5.100	.240			1220.00	23.00			275.
76	2 23	630	360.0	1.370	.040	5.000	.230			1305.00	21.00			272.
76	2 23	2000	360.0	.391	.050	5.700	.120	1.080		96.40	20.00			347.
76	2 24	2000	310.0	.252	.060	5.900	.140	1.210		87.30	22.00			399.
76	2 25	2000	280.0	.221	.060	5.700	.150	1.120		76.10	23.00			457.
76	2 26	2000	260.0	.213	.060	5.600	.110	.752		50.90	23.00			482.
76	2 27	2000	221.0	.200	.070	5.500	.190	1.760		71.40	24.00			515.
76	2 28	2000	167.0	.202	.060	5.100	.150	1.520		74.30	24.00			542.
76	2 29	2000	129.0	.176	.050	4.900	.120	.899		64.70	25.00			573.
76	3 1	1000	104.0	.173	.050	4.800	.190	.973		61.50	26.00			585.
76	3 1	1030	104.0	.144	.050	4.500	.120			63.60	26.00			617.
76	3 2	1030	79.0	.125	.050	4.300	.120			53.70	26.00			647.
76	3 3	1030	70.0	.114	.040	4.000	.070			50.90	27.00			654.
76	3 3	1630	70.0	.110	.030	4.000	.170			50.00	27.00			662.
76	3 3	2230	70.0	.134	.060	3.900	.110			50.60	52.00			762.
76	3 4	430	457.0	.134	.060	3.500	.150			52.40	51.00			737.
76	3 4	1040	457.0	.378	.060	3.500	.110			220.00	42.00			543.
76	3 4	1630	457.0	.794	.060	4.000	.160			626.00	22.00			410.
76	3 4	2230	457.0	.594	.060	4.300	.130			391.00	19.00			392.
76	3 5	430	944.0	.520	.060	4.300	.130			329.00	20.00			408.
76	3 5	1030	944.0	.561	.080	4.600	.120			341.00	20.00			386.
76	3 5	1630	944.0	.566	.080	4.500	.140			357.00	21.00			393.
76	3 5	2230	944.0	.561	.070	4.700	.120			373.00	21.00			366.
76	3 6	430	1158.0	.617	.050	4.300	.070			432.00	20.00			378.
76	3 6	1030	1410.0	.679	.050	4.400	.100			461.00	18.00			353.
76	3 6	1630	1405.0	.673	.050	4.400	.130			425.00	17.00			332.
76	3 6	2230	1470.0	.654	.070	4.400	.170			398.00	17.00			316.
76	3 7	430	1470.0	.642	.060	4.400	.060			335.00	19.00			310.
76	3 7	1030	1314.0	.594	.060	4.600	.180			287.00	16.00			311.
76	3 7	1630	1170.0	.528	.060	4.700	.200			240.00	16.00			314.
76	3 7	2230	972.0	.510	.040	4.700	.060			235.00	16.00			322.
76	3 8	430	870.0	.547	.050	4.600	.120			269.00	17.00			324.
76	3 8	1630	142.0	.285	.050	4.800	.100	1.240		71.20	25.00		13.50	443.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMUCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHJ
76	3 9 1600	192.0	.205	.040	4.800	.140		13.100		52.60	27.00			495.
76	3 10 1600	121.7	.166	.030	4.700	2.000		1.470		48.90	27.00		6.50	537.
76	3 11 1600	109.6	.158	.050	4.600	.150		1.190		38.80	45.00		5.10	627.
76	3 12 1600	92.4	.138	.030	4.300	.170		1.150		53.10	29.00		4.50	594.
76	3 13 1600	86.0	.148	.040	4.200	2.000		1.020		53.80	29.00		3.50	605.
76	3 13 1000	86.0	.099	.040	4.300	2.000		.680		43.50	30.00		3.20	610.
76	3 13 1600	87.6	.189	.040	4.200	.240		1.480		29.40	29.00		6.40	613.
76	3 16 1450	107.7	.212	.010	3.700	.110		1.170		101.00	25.00			605.
76	3 17 1450	84.6	.106	.020	3.700	.110		.683		47.30	27.00			641.
76	3 18 1450	86.0	.094	.030	3.400	.170		.683		40.60	33.00			673.
76	3 19 1450	94.0	.095	.010	3.300	.110		.635		49.70	28.00			663.
76	3 20 1450	121.0	.129	.010	3.300	.090		.865		67.20	28.00			656.
76	3 21 1450	566.5	.166	.010	3.000	.090		.900		92.70	31.00			645.
76	3 21 2000	580.0	.180	.020	3.100	.110		1.010		89.90	26.00			649.
76	3 22 2000	507.0	.367	.040	3.400	.160		.846		213.00	25.00			547.
76	3 22 0500	129.0	.522	.050	3.900	.150				293.00	24.00			477.
76	3 22 1450	192.0	.481	.030	3.700	.130				316.00	23.00			468.
76	3 22 1600	580.0	.645	.050	3.800	.030				525.00	22.00			440.
76	3 22 2000	167.0	.521	.020	3.400	.080				366.00	23.00			486.
76	3 22 2200	580.0	.681	.030	3.900	.120				425.00	19.00			400.
76	3 23 0000	475.0	.571	.030	4.400	.180				278.00	19.00			404.
76	3 23 1000	167.0	.499	.030	4.500	.430				155.00	19.00			415.
76	3 23 1600	276.0	.434	.030	4.600	.390				125.00	20.00			427.
76	3 23 2200	218.0	.386	.030	4.100	.250				128.00	19.00			445.
76	3 24 0000	167.0	.345	.030	4.200	.490				125.00	19.00			464.
76	3 24 1000	172.0	.315	.030	4.200	.230				108.00	20.00			480.
76	3 24 1600	159.0	.301	.030	4.400	.450				105.00	20.00			495.
76	3 24 2200	155.0	.260	.030	4.300	.190				86.50	21.00			511.
76	3 25 0000	145.4	.250	.030	4.300	.540				119.00	21.00			521.
76	3 25 1000	121.0	.235	.030	4.200	.420				117.00	21.00			534.
76	3 25 1600	127.6	.215	.020	4.200	.260				86.10	21.00			547.
76	3 25 2200	131.0	.193	.020	4.200	.120					22.00			559.
76	3 26 0000	109.6	.176	.030	4.200	.130				98.40	22.00			572.
76	3 26 1600	170.4	.139	.020	4.100	.100				99.20	23.00			593.
76	3 27 1600	91.7	.132	.020	3.800	.310				94.00	24.00			627.
76	3 27 1600	71.5	.132	.020	3.600	.360				82.30	25.00			646.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEL CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING DATE YR MO DY	TIME 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. UMHO
76	2	29	1000	94.0	.108	.020	3.500	.080						
76	3	29	1530	92.4	.092	.020	3.250	.040						
76	3	31	1530	73.0	.092	.020	3.100	.050		59.60	25.00			667.
76	4	1	1530	63.7	.115	.020	2.900	.050		56.20	24.00			695.
76	4	2	1530	59.8	.141	.020	2.900	.110		56.10	25.00			705.
76	4	3	1530	59.8	.121	.030	3.000	.180		72.30	26.00			724.
76	4	4	1530	58.5	.092	.020	2.700	.120		83.00	23.00			664.
76	4	4	1530	44.6	.097	.020	2.400	.070		59.60	34.00			726.
76	4	5	930	71.5	.098	.010	2.300	.050		41.00	26.00			717.
76	4	5	1530	70.2	.087		2.100	.030		43.00	27.00			763.
76	4	6	1530	59.8	.083		2.000	.040		50.80	27.00			740.
76	4	7	1530	52.5	.083		1.900	.020		52.10	28.00			717.
76	4	8	1530	46.5	.085		1.900	.020		49.20	28.00			713.
76	4	9	1530	38.8	.075		1.900	.020		49.60	28.00			722.
76	4	10	1530	26.0	.057		1.800	.020		41.50	28.00			710.
76	4	11	1530	26.0	.067		1.700	.020		31.50	28.00			726.
76	4	12	1530	29.8	.050		1.700	.020		43.40	28.00			746.
76	4	12	1530	29.8	.065	.010	1.300	.190		28.30	29.00			736.
76	4	13	1530	26.0	.057		1.000	.360		27.40	28.00			759.
76	4	14	1530	26.0	.055		.900	.310		20.10	29.00			752.
76	4	15	1530	27.0	.064		.700	.260		14.50	28.00			781.
76	4	16	1530	28.4	.084		.500	.260		31.30	28.00			799.
76	4	17	1530	32.0	.075		.300	.210		14.60	28.00			782.
76	4	18	1530	26.0	.072		.100	.150		23.00	28.00			780.
76	4	19	1530	26.0	.087		.100	.210		15.90	29.00			776.
76	4	19	1550	29.8	.049	.040	.200	.200		26.50	29.00			823.
76	4	20	1550	32.7	.053	.040	.100	.260		32.00	34.00			820.
76	4	21	1550	34.6	.071	.040	.200	.200		22.80	34.00			807.
76	4	22	1550	26.0	.053	.040	.100	.180		37.30	34.00			805.
76	4	23	1550	35.5	.057	.030	.100	.260		29.30	34.00			816.
76	4	24	1550	36.6	.069	.030		.070		25.10	35.00			828.
76	4	25	1550	51.3	.160	.030	.100	.070		25.20	35.00			857.
76	4	26	1550	70.2	.139	.030	.400	.070		45.00	46.00			873.
76	5	1	1555	32.7	.092		1.900	1.000		69.80	35.00			886.
76	5	11	1555	25.2	.087		1.400	1.000		31.80	37.00			845.
76	5	12	1555	20.2	.074		.800	1.000		35.30	36.00			775.
										28.00	35.00			778.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHEE CREEK

LOCATION W/CODE : NFAP CRAWFORD, OHIO

USGS NO. 34196800

SAMPLIN DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOP 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 5 13 1555	2.4	.085			.500	.260				38.30	36.00			790.
76 5 14 1555	16.9	.090			.300	1.000				34.60	37.00			817.
76 5 15 1555	18.5	.094			.200	.220				38.90	36.00			858.
76 5 16 1555	2.8	.127			.200	.650				58.60	37.00			853.
76 5 17 1555	36.6	.136			.300	.210				36.50	43.00			816.
76 5 17 1550	35.5	.102		.030	.500	.260				34.70	35.00			810.
76 5 18 1550	65.0	.215		.070	14.400	.240				72.00	36.00			776.
76 5 19 1550	36.6	.144		.050	13.000	.350				37.90	36.00			761.
76 5 20 1550	32.7	.122		.020	9.300	.200				46.00	35.00			782.
76 5 21 1550	29.6	.097		.010	5.200	.150				37.50	38.00			815.
76 5 22 1550	25.2	.104		.010	2.200	.160				24.20	37.00			835.
76 5 23 1550	17.7	.091			2.000	.120				42.50	38.00			853.
76 5 24 1550	16.9	.169			2.600	.090					37.00			
76 5 24 1700	2.0	.074		.010	2.500	.150				42.50	36.00			846.
76 5 25 1700	15.4	.067			1.900	.160				39.00	36.00			859.
76 5 26 1700	12.3	.040			1.000	.240				25.30	36.00			878.
76 5 27 1700	2.8	.051			.760	.320				27.30	36.00			877.
76 5 28 1700	9.2	.084			.340	.610				35.40	37.00			880.
76 5 29 1700	10.7	.086			.330	.300				40.40	37.00			903.
76 5 30 1700	9.2	.076			.190	.220				30.50	36.00			913.
76 5 31 1100	2.8	.082			.250	.280				49.10	38.00			912.
76 5 31 1640	2.8	.076		.020	4.050	.090					36.00			889.
76 5 31 2240	2.8	.042		.010	1.830	.160					36.00			892.
76 6 1 1440	10.7	.088		.020	2.240	.070					37.00			900.
76 6 1 1640	2.0	.121		.030	2.240	.050					36.00			893.
76 6 1 1740	26.0	.094		.040	2.195	.040					39.00			896.
76 6 1 2040	71.0	.124		.030	2.280	.160					37.00			907.
76 6 1 2440	184.0	.170		.050	10.300	.050					38.00			885.
76 6 1 1740	226.4	.143		.040	9.040	.190					37.00			832.
76 6 1 1640	226.4	.250		.050	20.000	.230					34.00			706.
76 6 1 2240	217.6	.220		.050	20.000	.300					32.00			704.
76 6 1 1440	246.0	.187		.050	20.000	.090					34.00			738.
76 6 1 1640	220.0	.151		.030	17.800	.140					36.00			725.
76 6 1 2240	180.5	.163		.040	19.200	.280					35.00			712.
76 6 1 1440	159.8	.155		.050	19.990	.070					35.00			724.
76 6 1 1740	134.0	.164		.040	19.830	.190					36.00			759.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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	COO MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 6 4 1640	179.6	.158	.040	20.000	.100					36.00			771.
76 6 4 2240	92.4	.164	.030	20.000	.280					36.00			776.
76 6 5 440	71.5	.151	.030	20.000	.070					35.00			779.
76 6 5 1140	73.0	.161	.030	20.000	.080					35.00			784.
76 6 5 1640	58.5	.156	.030	20.000	.030					35.00			784.
76 6 5 2240	46.5	.151	.020	20.000	.130					35.00			792.
76 6 6 440	50.1	.141	.020	20.000	.040					36.00			795.
76 6 6 1040	45.4	.144	.020	20.000	.040					36.00			793.
76 6 6 1640	39.9	.139	.020	20.000	.030					35.00			792.
76 6 6 2240	38.8	.145	.010	19.900	.060					35.00			796.
76 6 7 440	32.0	.147	.010	19.900	.030					36.00			789.
76 6 7 1040	32.7	.142	.010	19.700	.030					35.00			787.
76 6 7 1900	28.9	.098	.040	18.400	.040				54.80	36.00			805.
76 6 8 100	17.7	.121	.040	18.300	.040				75.90	37.00			806.
76 6 8 700	23.5	.046	.040	18.200	.020				72.70	37.00			811.
76 6 8 1300	21.9	.127	.040	18.100	.020				80.20	37.00			810.
76 6 8 1900	17.7	.106	.040	18.000	.060				47.40	37.00			811.
76 6 9 100	17.7	.101	.040	17.800	.310				49.40	37.00			821.
76 6 9 700	18.5	.120	.040	17.600	.170				63.40	37.00			822.
76 6 9 1300	20.0	.103	.040	17.600	.050				46.90	37.00			818.
76 6 9 1900	16.0	.101	.020	17.500	.070				54.60	37.00			815.
76 6 10 100	15.0	.095	.020	17.400	.240				45.50	37.00			816.
76 6 10 700	15.4	.099	.030	16.700	.140				53.00	37.00			821.
76 6 10 1300	13.1	.117	.030	16.600	.200				61.60	37.00			822.
76 6 10 1900	13.8	.100	.030	16.200	.160				47.80	37.00			825.
76 6 11 100	14.0	.096	.020	15.200	.160				49.30	37.00			824.
76 6 12 1900	11.5	.102	.010	13.900	.130				60.20	40.00			825.
76 6 13 1400	2.8	.082	.010	12.600	.150				41.30	37.00			819.
76 6 14 1300	7.1	.105	.010	11.800	.080				53.80	37.00			843.
76 6 14 2157	5.7	.072	.010	10.800	.020				61.50	38.00			797.
76 6 15 1557	15.4	.091	.010	9.500	.030				77.10	37.00			818.
76 6 16 1557	21.0	.094		7.900	.010				69.70	37.00			829.
76 6 17 1557	16.5	.085		6.500	.050				47.40	38.00			854.
76 6 18 1557	13.0	.077	.010	4.500	.100				38.10	37.00			802.
76 6 19 1557	14.0	.081	.010	2.600	.150				39.40	37.00			758.
76 6 20 1557	119.0	.100	.010	1.900	.100				50.20	36.00			822.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING DATE	TIME 24CD 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	6 21 957	249.0	.185	.030	13.300	.010				174.00	30.00			640.
76	6 21 1550	192.0	.356	.060	20.000	.030		2.290		261.00	31.00			579.
76	6 21 2150	174.5	.313	.050	20.000	.010		1.500		193.00	28.00			603.
76	6 22 350	121.0	.265	.050	20.000	.010		2.100		150.00	28.00			630.
76	6 22 950	119.1	.259	.050	20.000	.050		1.500		164.00	29.00			643.
76	6 22 1550	100.4	.235	.050	20.000	.020		2.530		124.00	29.00			653.
76	6 22 2150	121.0	.221	.050	20.000	.020		1.830		129.00	31.00			660.
76	6 23 350	71.5	.209	.040	20.000	.030		1.690		104.00	30.00			671.
76	6 23 950	63.7	.230	.040	20.000			2.170		133.00	30.00			687.
76	6 23 1550	35.5	.192	.040	20.000	.080		2.840		92.70	30.00			692.
76	6 23 2150	52.5	.173	.040	20.000	.010		1.420		78.10	30.00			703.
76	6 24 350	47.7	.171	.040	20.000	.050		1.020		85.70	30.00			709.
76	6 24 950	45.4	.175	.040	20.000	.030		2.620		95.00	30.00			713.
76	6 24 1550	45.4	.211	.050	18.600	.060		1.330		87.40	34.00			684.
76	6 24 2150	41.0	.190	.040	19.600	.020		2.020		95.90	33.00			719.
76	6 25 350	35.5	.177	.020	19.000	.020		2.650		91.80	31.00			726.
76	6 25 950	36.6	.165	.050	18.100	.030		1.500		86.70	31.00			734.
76	6 25 1550	45.4	.153		17.200	.030		1.710		76.00	31.00			734.
76	6 25 2150	71.5	.182	.010	16.700	.030		1.660		117.00	31.00			747.
76	6 26 350	143.0	.176	.010	16.300	.070		1.500		91.60	31.00			739.
76	6 26 950	218.0	.200	.040	17.600	.050		1.330		106.00	32.00			725.
76	6 26 1550	218.0	.238	.040	13.700	.070		2.890		123.00	30.00			733.
76	6 26 2150	218.0	.211	.030	14.100	.010		1.470		109.00	31.00			677.
76	6 27 350	167.0	.326	.100	16.000	.160		2.840		144.00	29.00			631.
76	6 27 950	159.8	.271	.060	16.300			1.710		183.00	27.00			597.
76	6 27 1550	132.0	.240	.040	16.600			1.830		118.00	27.00			591.
76	6 27 2150	102.0	.229	.050	16.600	.010		1.300		108.00	27.00			596.
76	6 28 350	86.0	.212	.030	16.500			1.500		97.80	27.00			602.
76	6 28 950	77.3	.245	.050	17.400	.090		1.700		115.00	27.00			611.
76	6 28 1508	58.5	.240	.070	16.000					14.10	27.00			608.
76	6 29 308	46.5	.192	.040	14.500					105.00	27.00			636.
76	6 29 1508	46.5	.157	.050	15.200					80.10	29.00			673.
76	6 30 308	41.0	.188	.050	15.600					100.00	28.00			653.
76	6 30 1508	32.7	.155	.050	20.000					67.80	30.00			685.
76	7 1 308	43.2	.156	.060	13.900	.010				76.10	30.00			700.
76	7 1 1508	71.5	.180	.060	13.300					102.00	31.00			695.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING TIME DATE 24 0 YR MO DY MMS.	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 NITROGEN MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
76 7 2 300	86.0	.165	.050	11.700					85.10	30.00			691.
76 7 2 1500	12.4	.208	.060	10.500					112.00	29.00			617.
76 7 3 300	75.3	.194	.040	9.200					119.00	27.00			584.
76 7 3 1500	57.3	.166	.050	8.300					79.30	30.00			691.
76 7 4 300	35.5	.142	.040	7.800					66.20	28.00			657.
76 7 4 1500	35.5	.166	.040	8.300	.010				82.80	26.00			601.
76 7 5 300	26.0	.166	.040	8.600					77.50	24.00			577.
76 7 5 900	17.7	.154	.050	8.800					75.70	24.00			580.
76 7 5 1500	21.0	.186	.060	8.600	.010				82.70	23.00			582.
76 7 5 1900	21.0	.145	.060	8.900	.010				69.10	23.00			591.
76 7 6 100	17.7	.147	.060	8.900	.020				77.60	23.00			605.
76 7 6 700	16.0	.152	.060	9.100					77.90	24.00			615.
76 7 6 1300	16.0	.125	.060	9.100					69.00	24.00			620.
76 7 6 1900	13.1	.112	.050	9.000	.030				48.70	24.00			625.
76 7 7 100	15.4	.126	.050	8.700	.020				66.00	24.00			619.
76 7 7 700	13.8	.131	.050	8.600	.020				94.60	24.00			627.
76 7 7 1300	27.0	.124	.050	8.500	.040				62.50	24.00			621.
76 7 7 1900	28.0	.111	.050	8.300	.040				66.50	24.00			630.
76 7 8 100	26.0	.130	.060	8.000	.050				63.00	24.00			618.
76 7 8 1300	78.0	.186	.080	6.000	.040				96.50	27.00			549.
76 7 8 1900	77.2	.261	.080	7.600	.030				170.00	23.00			590.
76 7 9 100	59.8	.236	.060	8.200	.060				178.00	21.00			554.
76 7 9 700	47.7	.247	.070	7.500	.050				156.00	22.00			544.
76 7 9 1300	38.8	.373	.060	7.000	.040				319.00	19.00			466.
76 7 9 1900	29.8	.546	.060	6.100	.080				457.00	14.00			364.
76 7 10 100	17.7	.401	.070	6.600	.080				261.00	15.00			413.
76 7 10 700	21.0	.289	.070	7.200	.040				142.00	18.00			479.
76 7 10 1300	20.0	.239	.070	8.000	.030				126.00	19.00			521.
76 7 10 1900	18.5	.229	.070	7.900	.040				94.30	19.00			537.
76 7 11 100	14.0	.198	.060	8.000	.040				102.00	20.00			537.
76 7 11 700	14.0	.187	.060	7.800	.030				103.00	21.00			553.
76 7 11 1300	13.1	.214	.060	7.900	.030				136.00	22.00			563.
76 7 11 1900	14.0	.209	.060	7.800	.020				107.00	22.00			585.
76 7 12 100	12.3	.161	.050	7.800	.010				78.20	23.00			602.
76 7 12 700	11.0	.178	.050	7.400					73.40	23.00			618.
76 7 12 1900	11.0	.161	.040	8.000	.030				46.20	24.00			652.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MUT. 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	7 13 700	9.0	.154	.030	7.300					79.60	24.00			656.
76	7 13 1900	7.8	.121	.030	6.800	.050				47.80	25.00			657.
76	7 14 700	7.1	.126	.030	6.500	.030				50.30	25.00			674.
76	7 14 1900	2.8	.125	.020	5.900	.100				40.60	25.00			680.
76	7 15 700	5.0	.115	.010	5.600	.040				48.90	26.00			699.
76	7 15 1900	2.8	.127		4.700	.130				74.20	26.00			678.
76	7 16 700	2.8	.101		4.600	.090				38.60	26.00			691.
76	7 16 1900	2.8	.074		3.800	.120				28.50	27.00			664.
76	7 17 700	2.6	.097		3.700	.090				36.20	27.00			691.
76	7 17 1900	.3	.084		3.100	.140				24.20	28.00			677.
76	7 18 700	2.6	.095		3.000	.090				55.70	27.00			676.
76	7 18 1900	3.5	.096		3.400	.090				34.50	28.00			673.
76	7 19 700	3.5	.093		3.900	.030				43.10	28.00			686.
76	7 19 1300	2.8	.106		3.500	.010				33.30	28.00			689.
76	7 19 1900	2.8	.085	.040	1.800	.470				31.50	27.00			689.
76	7 20 700	13.1	.094	.030	1.900	.040				53.50	28.00			668.
76	7 20 1900	2.8	.083	.030	1.200	.300				33.90	29.00			673.
76	7 21 700	2.8	.106	.020	.700	.080				61.30	30.00			691.
76	7 21 1900	9.2	.092	.010	.100	.280				35.90	30.00			716.
76	7 22 700	7.8	.094	.020	.300	.110				49.30	31.00			756.
76	7 22 1900	5.7	.088	.010	.100	.250				38.40	31.00			768.
76	7 23 700	7.8	.105	.020	.300	.090				51.30	32.00			779.
76	7 23 1900	5.7	.093	.020	.100	.160				33.80	31.00			793.
76	7 24 1900	73.0	.166	.030	.900	.030				88.10	27.00			708.
76	7 25 100	57.3	.192	.040	1.500	.080				107.00	24.00			629.
76	7 25 700	67.6	.343	.040	3.500	.040				249.00	19.00			526.
76	7 25 1300	143.0	.298	.060	3.100	.030				195.00	19.00			497.
76	7 25 1900	100.4	.364	.070	3.000	.040				220.00	14.00			446.
76	7 26 100	167.0	.281	.080	2.400	.030				139.00	18.00			498.
76	7 26 700	121.0	.259	.080	2.400	.020				154.00	19.00			497.
76	8 2 1900	2.8	.140	.090	1.800	.090				58.80	25.00			515.
76	8 3 1900	5.7	.124	.070	1.600	.090				146.00	25.00			527.
76	8 4 700	5.7	.135	.070	1.500	.110				61.30	25.00			526.
76	8 4 1900	6.4	.126	.060	1.100	.180				58.40	25.00			539.
76	8 5 700	2.8	.128	.060	1.200	.150				47.50	26.00			541.
76										58.60	26.00			543.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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	CHLOR RHOE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	HRS.											
76	8	5	1900	2.8	.102	.060	.800	.150		41.90	26.00			538.
76	8	6	700	3.5	.106	.060	.800	.150		46.80	26.00			534.
76	8	6	1900	2.8	.101	.060	.700	.310		36.30	26.00			560.
76	8	7	700	2.8	.110	.060	.800	.140		35.20	26.00			559.
76	8	7	1900	2.8	.114	.050	.600	.190		33.40	28.00			552.
76	8	8	700	3.5	.105	.050	.600	.120		19.50	28.00			555.
76	8	8	1900	2.8	.100	.040	.300	.050		29.10	27.00			550.
76	8	9	700	3.5	.099	.040	.300	.040		30.00	27.00			560.
76	8	9	1300	2.8	.100	.040	.200	.070		34.80	27.00			567.
76	8	9	1900	2.8	.151	.080	.400	.190		51.30	27.00			553.
76	8	10	100	2.8	.151	.100	.500	.060		63.90	29.00			586.
76	8	10	700	2.8	.143	.080	.400	.020		65.30	29.00			640.
76	8	10	1300	2.8	.152	.080	.300	.060		56.10	31.00			704.
76	8	10	1900	2.8	.147	.070	.200	.180		61.50	32.00			718.
76	8	11	700	34.6	.155	.100	.500	.100		54.10	36.00			681.
76	8	11	1900	17.7	.122	.040	.100	.190		50.80	36.00			660.
76	8	12	700	17.7	.140	.090	.300	.130		64.00	35.00			728.
76	8	12	1900	16.9	.126	.040	.100	.150		54.20	33.00			729.
76	8	13	700	2.8	.151	.080	1.000	.130		73.20	33.00			687.
76	8	13	1900	13.8	.147	.070	.500	.120		56.90	31.00			627.
76	8	16	1900	2.8	.228	.170	1.200	.140		71.40	30.00			610.
76	8	17	700	17.7	.124	.090	.900	.160		50.10	29.00			563.
76	8	17	1900	26.0	.163	.090	.800	.220		60.70	28.00			546.
76	8	18	700	28.9	.147	.090	.800	.070		67.00	27.00			550.
76	8	18	1900	17.7	.137	.090	.800	.130		46.50	28.00			561.
76	8	19	700	17.7	.139	.090	.900	.150		54.60	29.00			561.
76	8	19	1900	2.8	.104	.070	.500	.200		31.30	32.00			591.
76	8	20	700	13.1	.136	.080	.600	.210		58.20	33.00			641.
76	8	21	1900	2.8	.100	.050	.100	.250		43.80	34.00			645.
76	8	21	700	2.8	.124	.050	.200	.210		45.10	34.00			670.
76	8	21	1900	2.8	.101	.040		.050		50.00	35.00			672.
76	8	22	700	5.7	.129	.040		.110		58.80	35.00			679.
76	8	22	1900	6.4	.117	.040		.070		47.40	35.00			670.
76	8	23	1300	5.0	.120	.050		.200		62.40	38.00			671.
76	8	23	1900	5.0	.115	.060	.400	.180		38.20	37.00			665.
76	8	24	1900	5.0	.103	.050	.200	.280		21.80	38.00			649.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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
76	8 25 1900	2.8	.100	.050	.200	.190				30.40	38.00			629.
76	8 26 1900	2.6	.127	.050	.100	.280				30.30	38.00			621.
76	8 27 1900	1.3	.124	.040	.100	.250				27.10	38.00			628.
76	8 28 1900	1.6	.123	.030	.100	.210				30.20	37.00			635.
76	8 29 1900	2.8	.119	.020	.100	.180				21.70	38.00			645.
76	8 30 1300	2.8	.146	.020	.100	.150				43.20	36.00			620.
76	8 30 1900	2.8	.166	.087	.050	.427				30.40	36.50			620.
76	8 31 1900	2.8	.136	.082	.070	.436				30.10	36.40			649.
76	9 1 1900	5.0	.110	.063	.080	.210				20.60	35.60			656.
76	9 2 1900	2.8	.140	.067	.010	.396				37.30	35.50			645.
76	9 3 1900	2.8	.130	.063	.070	.268				31.00	35.40			658.
76	9 4 1900	2.8	.117	.037	.080	.129				29.50	34.70			671.
76	9 5 1900	2.8	.105	.032		.152				27.30	34.20			685.
76	9 6 1300	5.0	.105	.033	.060	.028				36.90	34.40			716.
76	9 6 1900	3.5	.124	.082	.270	.145				40.40	35.20		1.38	707.
76	9 7 1900	.3	.135	.074	.250	.145				47.90	35.50		1.20	752.
76	9 8 1900	1.6	.114	.067	.030	.176				31.10	35.40		.53	769.
76	9 9 1900	2.8	.091	.047	.350	.196				30.30	34.60		.96	750.
76	9 10 1900	2.8	.115	.058	.110	.132				43.80	36.00		1.70	779.
76	9 11 1900	2.8	.129	.049	.010	.132				35.70	37.10		1.23	787.
76	9 12 1900	2.6	.123	.040	.010	.044				48.40	36.30		1.47	801.
76	9 13 1300	3.5	.100	.037	.010	.017				44.10	37.10		1.32	822.
76	9 13 1900	3.5	.104	.044		.058				25.30	35.00			815.
76	9 14 100	2.8	.091	.041		.074				32.30	36.40			818.
76	9 14 700	5.0	.095	.041		.106				43.90	36.10			821.
76	9 14 1400	5.0	.120	.041		.082				53.50	36.10			828.
76	9 14 1900	5.0	.094	.037		.023				37.90	36.30			824.
76	9 15 100	5.0	.109	.037		.030				37.20	36.70			829.
76	9 15 700	2.8	.102	.039		.065				42.10	36.50			833.
76	9 15 1300	2.8	.115	.035		.013				47.70	36.30			846.
76	9 15 1900	3.5	.098	.036		.017				29.20	36.40			839.
76	9 16 100	2.8	.091	.037		.003				27.60	36.30			844.
76	9 16 700	.3	.115	.034		.021				56.60	36.30			841.
76	9 16 1300	.3	.107	.033		.014				36.40	36.40			865.
76	9 28 1915	2.8	.084	.039	.160	.091				26.90	30.50			682.
76	9 3 100	3.5	.056	.035	.070	.105				29.30	31.10			689.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING TIME DATE 24 HRS YR MO DY 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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 9 3 700	2.8	.064	.018	.080	.106				32.10	30.60			689.
76 9 3 1300	2.8	.072	.025	.030	.113				31.40	30.70			692.
76 9 3 1900	2.8	.079	.027	.020	.129				33.70	31.00			702.
76 10 1 100	2.6	.065	.025	.020	.084				27.20	30.90			694.
76 10 1 700	2.6	.064	.029	.030	.098				26.40	30.10			694.
76 10 1 1300	.3	.073	.020	.020	.074				35.90	30.50			705.
76 10 1 1900	.3	.070	.006	.020	.037				25.60	30.40			709.
76 10 2 100	2.1	.075	.008	.020	.055				26.60	30.60			707.
76 10 2 700	2.1	.063	.024	.030	.097				23.00	30.80			703.
76 10 2 1300	2.1	.085	.019	.020	.044				31.80	31.20			711.
76 10 2 1900	1.3	.063	.024	.010	.024				23.20	31.10			710.
76 10 3 100	1.3	.066	.025	.020	.044				27.80	32.10			712.
76 10 3 700	1.3	.065	.019	.020	.056				23.80	31.50			711.
76 10 3 1300	1.3	.079	.027	.020	.029				33.40	31.10			720.
76 10 3 1900	1.6	.070	.020	.010	.010				23.90	31.40			721.
76 10 4 100	1.6	.075	.019	.010	.010				23.50	31.30			720.
76 10 4 700	1.6	.073	.022	.020	.027				29.90	31.40			727.
76 10 4 1300	1.6	.083	.023	.020	.006				35.30	31.60			730.
76 10 4 1900	1.3	.077	.008		.217				23.40	39.50			721.
76 10 5 1900	1.3	.112	.033	.090	.199				20.20	36.60			749.
76 10 6 1900	.3	.112	.018	.330	.243				44.90	36.90			764.
76 10 7 1900	2.1	.076	.011	.070	.151				22.50	36.50			791.
76 10 8 1900	2.1	.064	.012	.050	.131				15.00	37.50			802.
76 10 9 1900	3.5	.061	.015	.360	.093				14.30	40.50			793.
76 10 10 1900	2.6	.054	.007	.070	.040				9.80	38.20			764.
76 10 11 1300	2.6	.064	.006	.130	.042				18.10	39.50			779.
76 10 11 1900	2.6	.075	.023	.150	.134				16.40	39.80			765.
76 10 12 1900	.3	.061	.023	.140	.134				13.10	39.40			790.
76 10 13 1900	2.1	.078	.020	.110	.148				20.90	39.50			799.
76 10 14 1900	2.1	.074	.020	.050	.101				14.60	38.40			817.
76 10 15 1900	2.1	.075	.023	.020	.124				19.50	38.40			844.
76 10 16 1900	2.6	.074	.012	.010	.102				14.80	38.20			864.
76 10 17 1900	2.6	.066	.012	.010	.056				12.50	38.00			849.
76 10 18 1300	2.8	.061	.013	.010	.028				10.80	38.60			834.
76 10 18 1900	2.8	.050	.016		.104				10.20	36.30			818.
76 10 19 1900	3.5	.056	.017	.030	.091				11.00	37.10			804.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING TIME DATE 24 3 YR MO DY 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
76 10 20 1900	6.4	.057	.015	.570	.078				10.40	38.30			779.
76 10 21 1900	5.0	.070	.038	.320	.061				10.10	39.90			791.
76 10 22 1900	2.8	.062	.032	.120	.044				6.60	39.30			798.
76 10 23 1900	2.8	.060	.014	.070	.072				8.30	37.70			786.
76 10 24 1900	2.8	.067	.019	.320	.023				8.60	40.10			778.
76 10 25 1900	9.2	.074	.024	.170	.034				12.80	38.90			783.
76 10 26 1900	9.2	.087	.017	.190	.082				6.60	32.60	4.61		791.
76 10 27 1900	2.8	.065	.009	.040	.055				7.70	29.90	5.00		770.
76 10 28 1900	4.8	.062	.008	.030	.039				5.40	28.10	5.26		772.
76 10 29 1900	4.8	.067		.060	.037				4.60	27.90	5.24		788.
76 10 30 1900	2.8	.067		.030	.035				6.70	28.00	5.24		818.
76 10 31 1900	9.2	.054		.350	.017				6.00	27.70	4.24		807.
76 11 1 1900	5.8	.065	.004	.140	.002				4.50	30.10	4.93		812.
76 11 2 1900	2.8	.060	.001	.090	1.000				6.10	29.60	4.83		880.
76 11 3 1900	2.8	.070	.010	.060	.056				9.00	29.00	5.26		950.
76 11 4 1900	4.1	.042	.009	.050	.040				7.50	28.40	5.23		974.
76 11 5 1900	4.1	.041	.007	.050	.020				10.20	29.10	5.68		996.
76 11 6 1900	6.4	.040	.003	.060	.047				8.90	30.10	5.59		1008.
76 11 7 1900	4.8	.041	.015	.060	.026				8.20	31.50	5.29		1002.
76 11 8 1900	3.5	.041	.011	.030	.024				8.40	31.10	5.46		980.
76 11 9 1900	3.5	.039	.010	.030	.015				11.60	36.80	5.44		964.
76 11 10 1900	2.8	.053	.023	.050	.046				9.20	35.80	4.89		952.
76 11 11 1900	2.8	.052	.019	.040	.041				8.60	34.90	4.99		962.
76 11 12 1900	3.0	.054	.018	.050	.042				11.20	34.30	5.10		962.
76 11 13 1900	4.1	.049	.017	.050	.032				6.40	34.70	5.05		957.
76 11 14 1900	2.8	.048	.017	.040	.028				4.00	35.90	5.25		1014.
76 11 15 1900	2.6	.057	.013	.040	.024				6.10	38.00	5.29		1094.
76 11 16 1900	2.3	.044	.012	.050	.026				7.20	39.60	5.34		1116.
76 11 17 1900	1.8	.043	.012	.050	.027				5.50	40.30	5.45		1146.
76 11 18 1900	1.8	.037	.006	.060	.072				8.50	38.00			1132.
76 11 19 1900	1.8	.037	.003	.050	.050				7.40	38.30			1175.
76 11 20 1900	1.6	.037	.008	.050	.114				9.60	39.20			1195.
76 11 21 1900	2.0	.035	.002	.040	.057				9.40	37.80			1218.
76 11 22 1900	3.6	.034	.005	.050	.059				8.00	37.90			1187.
76 11 23 1900	3.5	.039	.002	.030	.095				8.90	37.90			1204.
76 11 24 1900	3.5	.037	.006	.090	.038				7.70	38.30			1232.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING TIME DATE 24°C 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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25°C UMHQ
76 11 22 1300	3.5	.035	.009	.160	.050				5.10	39.70			1228.
76 11 22 1900	3.0	.025	.025	.100	.107				8.70	42.90	7.08		1223.
76 11 23 1900	2.3	.019	.019	.020	.042				7.10	44.20			1254.
76 11 24 1900	2.3	.018	.018		.020				5.20	44.60	6.99		1287.
76 11 25 1900	2.0	.015	.015		.053				8.90	43.70	7.58		1321.
76 11 26 1900	3.0	.013	.013	.060	.035				13.10	43.40	6.61		1257.
76 11 27 1900	4.5	.045	.008	.050	.034				13.50	44.60	6.92		1207.
76 11 28 1900	3.9	.046	.007	.020	.014				7.00	44.30	6.73		1221.
76 11 29 1300	3.5	.008	.008	.060					7.10	45.80	7.83		1280.
76 12 7 900	3.3	.022	.007	.090	.052				5.80	45.20	5.64		1341.
76 12 7 1900	2.5	.057	.029	.340	.054				8.60	49.20	5.08		1352.
76 12 8 1300	2.5	.027	.019	.100	.048				7.90	47.50	6.28		1410.
76 12 9 1300	2.4	.026	.013	.040	.044				5.80	43.20	5.60		1440.
76 12 10 1300	2.3	.023	.018	.040	.048				5.60	43.80	6.57		1429.
76 12 11 1300	2.3	.023	.011	.050	.044				6.90	45.60	5.41		1440.
76 12 12 1300	2.2	.024	.008	.020	.014				7.10	43.50	5.88		1432.
76 12 13 1300	2.2	.022	.010	.020	.012				6.90	45.00	5.50		1469.
76 12 14 700	2.2	.035	.009	.010	.018				8.80	46.00	6.20		1520.
76 12 14 1300	2.2	.016	.016	.010	.076				6.40	49.50	5.42		1554.
76 12 15 700	2.1	.018	.011	.010	.056		.800		7.30	49.30	5.53	.27	1543.
76 12 16 700	2.1	.018	.010		.041		.700		11.60	49.10	5.34	.33	1546.
76 12 17 700	2.1	.021	.009	.010	.037		.400		8.00	51.80	5.61	.31	1560.
76 12 18 700	2.0	.022	.011	.010	.043		.500		6.30	51.90	5.68	.30	1559.
76 12 19 700	2.0	.023	.009	.010	.070		.600		8.90	56.70	5.43	.29	1547.
76 12 20 700	2.0	.032	.012	.210	.042		.600		8.00	56.80	6.65		1413.
76 12 20 1300	2.0	.044	.005	.250	.024		.600		9.70	71.80	6.47		1457.
76 12 21 1300	2.0	.048	.001	.140	.032		.600		8.40	68.90	6.49		1503.
76 12 22 1300	2.0	.039	.004	.160	.027		.600		8.20	65.00	6.80		1473.
76 12 23 1300	2.0	.032		.030	.103		.700		8.60	66.20	6.15		1516.
76 12 24 1300	2.0	.026		.020	.151		.600		7.50	64.70	5.24		1469.
76 12 25 1300	2.0	.024		.020	.010		.700		10.20	63.30	3.33		1457.
76 12 26 1300	2.0	.033		.020	.019		.700		9.30	63.60	4.55		1449.
76 12 27 700	1.9	.033		.020	.007		.700		29.40	64.00	4.87		1535.
76 12 27 1900	1.9	.047	.005	.060	.036		.800		28.20	64.60	4.17		1625.
77 1 1 1900	1.9	.097	.003	.050	.031		1.190		16.10	61.70	4.01		1622.
77 1 2 1900	1.9	.068	.003	.080	.005		.640						

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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. UMMO
77 1 3 1300	1.8	.053	.003	.080	.012		.519		12.20	55.80	4.20		1599.
77 1 3 1900	1.8	.070		.030	.070				8.40	44.40			1241.
77 1 4 1900	1.8	.040	.017	.030	.034				4.20	32.90			743.
77 1 5 1900	1.8	.034	.019	.030	.045				4.70	31.00			641.
77 1 6 1900	1.8	.029	.016	.040	.037				2.60	29.20			599.
77 1 12 1900	1.7	.719	.022	.310	.638				340.00	32.90			679.
77 1 14 1300	1.7	.042	.016	.090	.082				5.90	30.60			597.
77 1 15 1300	1.7	.015	.008	.100	.037				2.40	30.70			578.
77 1 16 1300	1.6	.016	.011	.090	.037				2.00	29.90			587.
77 1 17 100	1.6	.099	.099	.090	.024				.50	29.90			589.
77 1 24 1900	1.5	.066	.013	.120	.056				8.50	44.10	2.79		661.
77 1 25 1900	1.5	.026	.004	.110	.027				4.50	42.60	2.67		627.
77 1 26 1900	1.5	.021	.003	.110	.046				4.70	42.00	2.74		622.
77 1 27 1900	1.4	.019	.001	.120	.054				6.60	43.20	1.91		751.
77 1 29 1300	1.4	.027		.120	.065				6.80	43.80	1.92		773.
77 1 31 1300	1.3	.046	.046	.120	.063				4.40	44.30	2.78		747.
77 2 3 1300	1.3	.033	.011	.120	.053				5.20	33.80	1.76		753.
77 2 4 1300	1.3	.027	.015	.170	.262				4.20	35.90	1.74		772.
77 2 5 1300	1.2	.024	.014	.140	.084				4.10	37.70	1.67		786.
77 2 6 1300	1.2	.022	.015	.160	.106				4.80	36.40	1.93		819.
77 2 7 1300	1.2	.027	.015	.150	.237				7.40	37.30	2.00		841.
77 2 8 1900	1.2	.025	.003	.160	.097				30.80	43.90	2.50		880.
77 2 9 1900	1.2	.040	.010	1.520	.358				7.30	118.00	3.89		1197.
77 2 10 1900	1.1	.100	.054	3.180	.672				9.00	167.00	3.39		1510.
77 2 11 1900	1.1	.129	.073	2.520	.401				9.70	145.00	3.48		1307.
77 2 12 1900	1.2	.086	.046	.790	.229				6.50	76.20	3.14		1010.
77 2 14 1300	2.5	.350	.127	1.380	.656				16.80	54.90	5.23		876.
77 2 14 1900	2.5	.222	.129	2.260	.613				14.40	83.90	4.47		952.
77 2 15 100	4.3	.227	.130	1.950	.610				20.70	66.80	4.22		866.
77 2 15 700	6.3	.224	.144	1.890	.518				22.00	47.90	4.25		784.
77 2 15 1300	4.3	.305	.185	1.970	.502				27.50	46.30	3.82		726.
77 2 15 1900	4.3	.270	.121	2.180	.714				28.20	52.40	4.20		739.
77 2 16 100	3.3	.345	.181	2.550	.902				34.30	57.30	4.37		805.
77 2 22 1300	2.3	.350	.206	3.320	.586		1.580		12.80	67.60	5.38		647.
77 2 22 1900	2.3	.282	.191	2.670	.454		1.890		14.10	79.90	4.29		586.
77 2 23 100	6.0	.320	.205	2.880	.547		2.430		17.00	65.90	4.77		574.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	AC-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	HR	CFS	PHOS. MG/L	PHOS. MG/L	NO-3 MG/L	MG/L	NIT. MG/L	KJELD MG/L	MG/L	SOLIDS MG/L	RIDE MG/L	MG/L	MG/L	25C. UMHO
77	2	23	700	6.0	.344	.210	2.540	.480	3.430	21.80	52.90	4.19		492.
77	2	23	1300	6.0	.352	.227	2.470	.518	3.990	21.90	60.80	4.15		495.
77	2	23	1600	6.0	.355	.222	2.290	.585	3.130	22.50	52.00	3.94		454.
77	2	23	1900	6.0	.381	.227	2.250	.452	2.760	35.40	47.70	3.82		419.
77	2	23	2000	6.0	.404	.236	2.150	.541	2.770	43.40	41.50	3.68		388.
77	2	24	100	23.0	.471	.272	2.060	.736	2.950	47.40	35.30	3.51		352.
77	2	24	400	23.0	.476	.271	2.160	.700	4.580	53.20	35.90	3.68		368.
77	2	24	700	23.0	.488	.271	2.130	.597	3.660	66.30	34.20	3.68		351.
77	2	24	1000	23.0	.510	.279	2.120	.573	3.610	73.80	34.40	3.58		341.
77	2	24	1300	23.0	.541	.276	2.140	.586	3.190	97.00	34.30	3.53		331.
77	2	24	1600	23.0	.559	.290	2.190	.555	1.950	98.30	32.40	3.64		326.
77	2	24	1900	23.0	.508	.254	2.260	.500	2.920	98.90	31.60	3.62		316.
77	2	24	2200	23.0	.477	.247	2.300	.500	3.310	93.40	31.60	3.65		314.
77	2	25	100	690.0	.453	.232	2.370	.518	2.600	84.60	31.60	3.74		310.
77	2	25	400	695.0	.442	.219	2.430	.541		85.40	31.80	3.77		306.
77	2	25	700	700.0	.426	.205	2.410	.518	2.060	91.20	30.30	3.78		291.
77	2	25	1600	1010.0	.394	.168	2.350	.475	2.040	86.70	28.80	4.43		300.
77	2	25	1900	1068.0	.350	.159	2.460	.419	1.820	77.60	29.90	4.04		294.
77	2	25	2200	1010.0	.344	.159	2.510	.362	1.790	73.30	29.40	4.69		293.
77	2	26	100	1068.0	.337	.156	2.730	.343	1.760	68.20	30.40	4.22		294.
77	2	26	400	1040.0	.323	.149	2.650	.365	1.570	62.90	29.70	4.25		295.
77	2	26	700	1042.0	.301	.136	2.720	.315	1.570	59.20	29.90	4.76		301.
77	2	26	1000	1002.0	.293	.138	2.780	.306	1.740	47.10	30.80	4.83		307.
77	2	26	1300	918.0	.289	.137	2.950	.296	1.790	45.40	31.90	5.02		313.
77	2	26	1600	790.0	.275	.131	3.030	.276	1.620	36.20	32.20	5.34		319.
77	2	26	1900	750.0	.264	.127	3.930	.293	1.680	37.60	78.30	5.43		323.
77	2	26	2200	690.0	.254	.122	3.630	.261	1.710	32.90	64.30	5.64		440.
77	2	27	100	650.0	.241	.123	3.750	.275	1.680	32.30	74.80	5.21		487.
77	2	27	400	670.0	.264	.126	3.880	.252	1.570	41.10	60.70	5.55		435.
77	2	27	700	640.0	.311	.118	4.030	.261	1.790	78.10	52.30	5.17		414.
77	2	27	1000	590.0	.35	.132	4.170	.257	2.070	83.70	58.00	5.79		359.
77	2	27	1300	554.0	.341	.137	4.360	.288	1.540	80.40	38.70	5.78		365.
77	2	27	1600	514.0	.317	.124	4.460	.244	1.760	54.90	43.40	5.62		384.
77	2	27	1900	490.0	.321	.134	4.500	.279	1.960	49.90	40.30	6.03		385.
77	2	27	2200	490.0	.317	.139	4.520	.303	1.880	48.80	44.20	5.77		393.
77	2	28	100	474.0	.301	.130	4.560	.316	1.740	40.90	43.70	6.59		397.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMCOTTEL CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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
77 2 28 400	482.0	.296	.125	4.570	.265		1.710		46.20	43.20	5.44		400.
77 2 28 700	514.0	.297	.120	4.700	.247		1.600		71.20	42.50	5.82		395.
77 2 28 1000	478.0	.303	.119	5.020	.241		1.760		67.90	43.70	6.52		400.
77 2 28 1300	390.0	.283	.116	5.050	.224		1.820		52.40	43.80	5.91		408.
77 2 28 1900	354.0	.252	.117	5.770	.348		1.860		29.30	41.80	5.38		430.
77 3 1 1900	215.0	.214	.096	5.600	.306		1.460		21.40	43.30	5.64	2.30	441.
77 3 2 1900	114.0	.183	.093	5.640	.301		1.630		32.10	44.10	5.76	1.70	499.
77 3 3 1900	79.2	.167	.089	5.500	.279		1.460		8.50	45.00	6.87	1.40	530.
77 3 4 1900	203.0	.251	.097	6.380	.303		1.810		46.00	62.30	5.76	4.10	548.
77 3 5 1900	378.0	.280	.115	6.950	.405		2.120		65.00	45.50	5.76	4.50	475.
77 3 6 1900	378.0	.236	.085	7.470	.279		1.880		43.00	46.20	5.98	4.10	474.
77 3 8 100	200.0	.169	.059	6.870	.233				27.50	49.80	7.20		504.
77 3 8 1900	78.8	.141	.055	6.770	.260				25.20	50.80	7.76		553.
77 3 8 1900	65.4	.130	.050	6.870	.212				23.20	49.90	7.60		589.
77 3 11 1900	51.9	.112	.051	6.600	.201				20.70	50.40	7.75		631.
77 3 11 1900	49.3	.100	.023	6.110	.176				21.00	50.80	7.18		668.
77 3 12 1900	55.8	.116	.034	6.350	.101				26.10	82.80	7.14		795.
77 3 13 1900	172.5	.163	.044	6.010	.158				29.00	50.20	7.09		641.
77 3 14 1300	338.0	.187	.050	6.380	.086				56.70	51.50	7.67		624.
77 3 14 1900	346.0	.169	.047	5.390	.073				85.40	52.80	8.33	4.30	608.
77 3 15 1900	382.6	.155	.045	7.750	.054				65.70	52.40	8.93	3.40	574.
77 3 16 1900	102.8	.134	.041	7.650	.084				59.50	52.70	9.04	2.80	613.
77 3 17 1900	65.5	.115	.053	7.070	.042				34.20	52.30	8.86	2.50	646.
77 3 18 100	64.0	.120	.044	6.730	.086				38.30	70.00	8.12	2.20	689.
77 3 18 700	122.5	.133	.054	6.320	.050				41.70	62.00	7.77	2.70	645.
77 3 18 1300	312.5	.352	.080	6.990	.099				184.00	46.90	7.78	10.90	505.
77 3 18 1600	378.0	.383	.083	7.310	.075				184.00	43.90	7.05	11.70	488.
77 3 18 1900	434.0	.505	.194	7.370	.290				171.00	44.60	7.03	11.10	490.
77 3 18 2200	502.0	.544	.163	7.130	.177				144.00	47.80	7.37	9.20	507.
77 3 19 100	462.0	.504	.110	7.070	.213				182.00	48.50	7.71	11.40	496.
77 3 19 400	430.0	.559	.105	7.020	.179				281.00	41.00	7.30	18.20	435.
77 3 19 700	475.0	.543	.097	7.320	.242				288.00	40.30	6.45	17.20	438.
77 3 19 1000	715.0	.509	.061	7.340	.176				272.00	39.80	6.77	17.30	441.
77 3 19 1300	750.0	.478	.048	7.010	.206				286.00	39.60	7.03	17.10	437.
77 3 19 1600	765.0	.474	.046	6.840	.188				261.00	39.30	6.74	16.20	439.
77 3 19 2200	405.0	.507	.080	6.790	.175				240.00	37.90	8.31	13.90	410.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING DATE	TIME 24 HR	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NH-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 DY	HRS.													
77	3	20	100	828.0	.515	.058	7.020	.170		225.00	37.30	7.19	14.70	396.
77	3	20	400	852.0	.525	.047	7.270	.134		224.00	36.00	7.11	15.30	387.
77	3	20	700	876.0	.513	.049	7.460	.136		265.00	36.10	7.86	14.90	382.
77	3	20	1000	900.0	.490	.047	7.530	.128		210.00	35.40	8.01	13.90	381.
77	3	20	1300	912.0	.468	.042	7.770	.116		195.00	35.30	7.85	13.30	383.
77	3	20	1600	936.0	.431	.040	7.990	.134		185.00	35.30	7.38	11.90	381.
77	3	20	1900	954.0	.401	.042	8.230	.154		168.00	36.00	7.37	10.60	391.
77	3	20	2200	954.0	.360	.034	8.230	.103		125.00	35.80	7.37	9.30	399.
77	3	21	100	948.0	.329	.027	8.210	.110		110.00	35.70	6.72	8.30	409.
77	3	21	400	918.0	.295	.024	8.440	.106		116.00	36.90	8.81	7.20	419.
77	3	21	700	870.0	.274	.028	8.480	.373		93.50	37.40	7.17	6.40	432.
77	3	21	1000	795.0	.251	.031	8.200	.120		78.30	36.90	7.56	5.70	436.
77	3	21	2200	522.0	.194	.031	8.090	.082		63.80	38.90	11.10	4.00	475.
77	3	22	1000	466.0	.204	.022	7.670	.060		64.60	41.80	8.49	4.40	497.
77	3	22	2000	574.0	.227	.026	7.610	.103		66.30	42.10	7.86	4.90	486.
77	3	23	700	685.0	.298	.028	7.390	.086		104.00	37.80	7.00	7.30	450.
77	3	23	1400	775.0	.278	.040	7.540	.095		94.10	32.10	7.00	8.20	407.
77	3	23	1900	805.0	.278	.045	7.490	.054		89.90	32.80	7.26	8.10	408.
77	3	23	2200	828.0	.275	.044	7.560	.105		96.50	37.00	8.18	8.10	401.
77	3	24	100	840.0	.229	.041	7.730	.107		63.10	35.50	7.69	6.10	436.
77	3	24	400	852.0	.207	.041	8.030	.080		52.10	33.10	8.19	5.50	448.
77	3	24	700	858.0	.196	.053	8.010	.072		40.00	33.40	8.42	4.90	457.
77	3	24	1000	846.0	.187	.047	7.980	.078		43.40	33.50	7.21	4.70	472.
77	3	26	1130	227.0	.147	.044	7.450	.108		46.70	36.40	7.23	3.00	503.
77	3	26	2330	180.0	.131	.044	7.330	.096		39.80	36.90	7.27	2.90	565.
77	3	27	1130	148.0	.121	.049	7.260	.438		35.10	36.90	6.63	2.60	589.
77	3	27	2330	138.0	.138	.051	7.290	.190		41.00	49.50	6.58	2.70	665.
77	3	28	1130	245.0	.195	.050	7.090	.109		69.30	43.50	6.69	4.80	601.
77	3	28	1800	305.0	.252	.063	6.880	.100		80.60	39.20	8.35	5.30	552.
77	3	29	400	422.0	.247	.067	7.050	.053		105.00	33.70	6.97	5.80	521.
77	3	29	1600	498.0	.230	.054	7.120	.055		92.00	33.10	8.75	5.60	521.
77	3	30	400	510.0	.181	.040	6.570	.116		89.30	33.30	8.14	4.70	505.
77	3	30	1600	418.0	.220	.060	6.740	.110		79.80	32.70	8.65	5.10	502.
77	3	31	400	291.5	.185	.046	6.840	.095		77.80	33.00	8.40	4.40	528.
77	3	31	1600	209.0	.155	.039	6.620	.042		66.90	33.50	7.08	3.60	557.
77	4	1	100	170.0	.153	.037	6.550	.151		59.20	34.40	8.83	3.30	580.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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
77 4 3 1420	1002.0	.876	.095	5.810	.192				433.00	15.30	6.17	27.10	372.
77 4 3 1900	1080.0	1.010	.093	5.420	.331				442.00	14.10	5.95	33.50	341.
77 4 4 1300	1166.0	.849	.094	5.610	.219				206.00	14.40	6.25	26.90	340.
77 4 4 700	1271.0	.698	.086	5.680	.103				245.00	14.10	6.46	21.40	336.
77 4 4 1300	1446.0	.651	.092	5.790	.144				236.00	14.10	6.92	19.30	334.
77 4 4 1900	1670.0	.619	.084	6.030	.137				227.00	14.10	7.43	18.10	331.
77 4 5 100	1766.0	.579	.079	6.250	.157				196.00	14.10	7.57	16.80	330.
77 4 5 700	1702.0	.528	.075	6.430	.357				144.00	14.60	7.80	14.60	338.
77 4 5 1300	1518.0	.424	.073	6.570	.322				108.00	15.60	7.95	11.40	361.
77 4 5 1900	1313.0	.364	.074	6.600	.053				91.20	16.80	8.16	9.70	372.
77 4 6 100	1098.0	.317	.066	6.540	.173				52.40	18.00	8.04	8.00	402.
77 4 6 700	882.0	.278	.065	6.430	.217				73.00	19.10	7.98	6.90	425.
77 4 6 1300	690.0	.256	.062	6.270	.056				70.20	21.80	7.94	6.20	451.
77 4 7 1300	394.0	.195	.055	5.790	.164				51.00	22.20	7.68	4.10	489.
77 4 8 1300	260.0	.156	.041	5.320	.198				45.70	22.20	7.02	3.10	534.
77 4 9 1300	192.6	.126	.035	5.040	.364				31.60	23.00	6.48	2.30	563.
77 4 10 700	144.0	.115	.036	4.820	.092				32.60	24.00	5.94	2.00	593.
77 4 11 1900	95.6	.122	.022	4.550	.082				58.30	26.50	6.12	2.30	630.
77 4 12 1900	79.2	.107	.024	4.790	.067				55.50	24.90	7.90	2.20	664.
77 4 13 1900	78.0	.108	.024	4.680	.051				53.50	30.70	7.16	2.30	678.
77 4 14 1400	60.0	.109	.014	4.380	.090				53.60	27.50	6.97	2.30	693.
77 4 15 1900	50.0	.101	.003	3.920	.059				50.90	34.20	5.62	2.20	708.
77 4 16 1900	43.0	.088		3.310	.062				38.40	32.50	5.02	1.70	685.
77 4 17 1900	35.0	.087		2.790	.028				35.30	33.20	4.53	1.30	727.
77 4 18 1300	33.0	.101		2.620	.020				47.30	34.10	3.78	1.80	
77 4 18 1900	33.0	.060	.001	2.600	.103				43.70	35.80		.80	736.
77 4 19 1900	33.0	.060		2.330	.037				48.40	35.20		.70	762.
77 4 21 700	33.0	.078		1.430	.300				42.40	36.10		.90	746.
77 4 21 1900	34.0	.092		1.790	.067				60.30	36.00		1.40	796.
77 4 22 1900	32.0	.104		1.450	.130				56.90	36.20		1.80	815.
77 4 24 700	130.0	.115		1.470	.117				49.20	45.60		1.70	804.
77 4 25 1300	105.0	.095		1.540	.100				71.50	36.30		1.80	775.
77 4 25 1900	182.5	.099	.041	4.330	.079				70.40	35.00	4.75	1.10	678.
77 4 26 1900	152.5	.085	.040	5.650	.092				42.20	34.70	6.03	.70	634.
77 4 27 1900	165.0	.105	.035	6.080	.134				59.30	33.80	6.36	1.60	623.
77 4 28 1900	155.0	.114	.031	6.140	.060				46.50	34.70	6.48	2.40	646.

LAKE ERIC WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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	CONC 25C. UNNO
YR	MO	DY	HRS.											
77	4	29	1900	124.0	.104	.035	5.340	.060		53.60	34.30	5.02	2.10	655.
77	4	30	1900	134.0	.113	.029	4.600	.052		40.20	38.60	4.22	2.20	685.
77	5	2	1900	85.6	.107	.038	3.990	.076		46.30	34.70	3.95	2.30	634.
77	5	3	1900	76.0	.105	.029	3.780	.069		62.00	34.90	3.69	2.30	649.
77	5	4	1900	323.0	.188	.057	7.990	.156		69.20	38.30	4.91	3.80	599.
77	5	5	100	466.0	.178	.071	7.330	.126		96.90	33.20	4.91	3.10	567.
77	5	5	700	558.0	.354	.079	8.090	.171		147.00	26.00	5.61	8.70	475.
77	5	5	1300	640.0	.339	.081	10.500	.180		147.00	30.70	6.59	7.70	504.
77	5	5	1900	735.0	.263	.072	8.090	.096		149.00	27.70	6.25	6.10	496.
77	5	6	100	790.0	.254	.078	9.110	.138		158.00	26.90	7.00	5.60	464.
77	5	6	700	810.0	.333	.082	10.100	.110		124.00	25.90	7.80	7.90	451.
77	5	6	1300	790.0	.202	.082	10.400	.585		135.00	26.10	8.25	5.20	459.
77	5	6	1900	705.0	.257	.076	10.100	.140		85.40	25.90	8.39	5.20	472.
77	5	7	100	578.0	.206	.069	9.790	.159		74.90	26.60	8.58	3.90	484.
77	5	7	700	470.0	.209	.072	9.570	.126		40.80	27.90	8.84	3.90	510.
77	5	7	1300	378.0	.196	.067	9.050	.314		52.90	28.00	8.62	3.70	526.
77	5	7	1900	312.5	.175	.052	8.900	.080		55.20	29.20	8.76	3.10	544.
77	5	8	1900	185.0	.128	.054	7.370	.113		61.40	29.00	8.02	1.90	588.
77	5	14	700	38.1	.040	.024	4.290	.012		55.10	31.60	6.23	.50	730.
77	5	15	700	33.0	.095	.015	4.030			45.40	32.20	6.27	1.20	752.
77	5	16	700	31.0	.093	.011	3.780			42.50	32.50	5.36	1.90	764.
77	5	16	1300	30.0	.093	.024	3.660			28.90	32.10	4.91	1.50	758.
77	5	16	1900	28.0	.079		3.310	.137		46.40	39.60	2.81	1.00	752.
77	5	17	1900	23.4	.057		3.030	.184		46.90	37.30	2.04	.70	754.
77	5	18	1900	21.6	.068		2.590	.197		51.40	38.60	1.47	.90	747.
77	5	19	1900	27.0	.072		2.310	.251		50.80	39.40	1.23	.90	757.
77	5	20	1900	30.0	.093		2.070	.191		57.00	40.00	1.34	1.50	763.
77	5	21	1900	18.9	.093		2.000	.168		46.50	39.30	1.48	1.60	803.
77	5	23	1900	12.3	.103	.072	1.550	.073	.870	35.10	37.10	2.51	1.70	754.
77	5	24	1900	9.8	.106	.066	1.270	.098		53.70	37.30	2.51	2.00	762.
77	5	25	1900	8.6	.106	.040	1.030	.112		44.00	37.30	2.13	1.80	778.
77	5	26	1900	9.8	.109	.030	.850	.142		60.10	37.80	2.71	2.00	796.
77	5	27	1900	9.2	.102	.030	.780	.142		53.00	38.50	2.82	1.80	824.
77	5	28	1900	8.6	.094	.037	.660	.156		44.90	38.70	2.91	1.70	847.
77	5	29	1900	7.5	.091	.015	.440	.102		46.20	39.70	3.31	1.60	871.
77	5	30	1300	7.5	.120	.014	.550	.080	1.290	49.30	39.00	3.65	2.00	887.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

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 KJEL MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 5 31 1900	6.3	.119	.027	.650	.204		1.100		31.10	35.90	4.07	2.10	870.
77 6 1 1900	5.2	.095	.016	.470	.194				15.60	35.00	4.40	1.60	858.
77 6 2 1900	4.6	.080	.010	.370	.208				24.40	34.70	5.08	1.30	859.
77 6 3 1900	3.7	.079	.017	.440	.207				22.00	34.60	4.38	1.00	865.
77 6 4 1900	3.4	.091		.250	.163				29.00	35.70	4.03	1.30	865.
77 6 5 1900	5.2	.092	.010	.350	.085				20.80	36.10	4.97	1.00	860.
77 6 6 1300	5.7	.118	.016	.420	.068		1.300		36.70	36.20	4.09	1.60	878.
77 6 6 1900	4.6	.117	.044	.590	.188		1.060		48.70	38.60	5.17	1.40	877.
77 6 7 1900	3.7	.085	.023	.240	.160				34.60	38.40	5.02	1.00	887.
77 6 8 1900	4.6	.098	.028	.470	.152				32.90	38.40	4.40	1.30	895.
77 6 9 1900	7.5	.104	.021	.330	.168				39.50	39.70	4.00	1.40	912.
77 6 10 1900	5.2	.090	.022	.470	.102				36.30	39.50	3.82	.90	952.
77 6 11 1900	7.5	.118	.030	.600	.149				49.20	39.90	3.78	1.30	980.
77 6 12 1900	29.7	.113	.033	1.080	.099				43.80	40.50	4.19	1.30	960.
77 6 13 1300	18.0	.109	.020	.470	.063		.830		44.50	40.10	4.50	1.90	982.
77 6 14 100	14.7	.215	.048	.800	.108		.880		50.40	41.50	4.87	1.00	924.
77 6 14 1900	10.6	.085	.058	1.210	.153				20.50	41.50	4.38	1.20	953.
77 6 15 1900	8.6	.077	.038	.540	.205				34.40	41.30	4.73	1.40	932.
77 6 16 1900	6.9	.102	.044	.760	.207				46.80	41.70	4.30	1.80	929.
77 6 17 1900	48.0	.294	.050	5.420	.103				178.00	35.10	4.59	8.00	778.
77 6 18 1900	12.3	.158	.023	8.870	.142		1.810		97.90	36.00	4.19	4.20	754.
77 6 20 1900	5.2	.118	.064	6.560	.267				91.60	38.50	3.34	1.50	777.
77 6 21 1900	3.7	.124		4.390	.502				65.70	41.40	2.57	1.80	807.
77 6 22 1900	3.7	.127	.045	4.220	.278				60.20	37.90	3.02	1.60	831.
77 6 23 1900	3.1	.148	.042	2.640	.268				70.90	38.30	1.78	1.80	838.
77 6 24 1900	2.6	.117	.106	1.810	.299				47.20	40.50	1.74	1.30	832.
77 6 25 1900	2.6	.100	.061	1.170	.168				35.10	40.00	2.20	.80	837.
77 6 27 1900	1.7	.153	.024	1.640	.183				319.00	39.10	2.49	1.80	830.
77 6 28 100	1.7	.117	.010	.610	.035				58.00	39.90	2.73	1.80	829.
77 6 28 700	2.3	.129		.760	.155				69.50	39.80	1.53	2.20	845.
77 6 28 1300	2.2	.133		.590	.077				66.40	39.70	2.84	2.10	843.
77 6 28 1900	2.6	.108		.640	2.000				40.60	39.90	1.53	1.40	834.
77 6 29 100	3.7	.154		1.550	.089				54.40	39.00	2.59	1.70	809.
77 6 29 700	3.7	.128	.027	.630	.060				76.40	39.70	2.51	2.10	820.
77 6 29 1300	3.4	.135	.028	.460	.103				383.00	42.80	3.48	2.00	838.
77 6 29 1900	3.4	.128		.520	.066				62.40	42.40	3.00	1.70	830.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION J/CODE : NEAR CRAWFORD, OHIO

USGS NO. 84196800

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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	6 30	100	3.1	.100	.370	.161				49.70	42.30	2.52	1.50	819.
77	6 30	700	3.1	.123	.013	.590	.293			63.20	41.90	2.77	2.10	831.
77	6 30	1300	2.8	.152	.024	.460	.124			82.60	41.90	3.58	2.20	841.
77	6 30	1900	2.8	.149	.023	.310	.856			70.20	41.20	2.34	2.00	834.
77	7 1	1900	558.0	.853	.059	14.800	.168			791.00	23.90	6.39	31.50	431.
77	7 2	100	466.0	.620	.064	14.800	.066			507.00	27.10	8.25	21.90	519.
77	7 2	700	378.0	.509	.040	9.800	.077			717.00	30.90	7.19	18.20	587.
77	7 2	1300	362.0	.682	.050	12.500	.038			611.00	29.90	7.67	25.50	491.
77	7 2	1900	366.0	.631	.025	13.400	.031			469.00	27.80	8.01	21.90	468.
77	7 3	100	342.0	.541	.045	13.600	.601			365.00	25.80	7.51	18.40	471.
77	7 3	700	291.5	.489	.055	13.600	.056			311.00	28.10	7.98	16.30	484.
77	7 3	1300	342.0	.459	.050	13.600	.478			298.00	27.80	8.07	15.00	501.
77	7 4	100	140.0	.418	.044	13.600	1.480			286.00	27.30	8.80	13.20	516.
77	7 4	1300	92.0		.059	14.200	.018	2.010		276.00	24.70	9.82	11.60	503.
77	7 4	1900	74.5		.044	13.600	.021			189.00	27.80	10.60	9.90	519.
77	7 5	100	62.5		.046	13.900	.013			96.90	28.60	10.70	9.50	533.
77	7 5	700	54.5		.040	14.200	.044			115.00	27.00	10.00	9.40	543.
77	7 5	1300	48.0		.084	13.500	.040			119.00	27.90	10.40	8.50	553.
77	7 5	1900	45.8		.056	14.400	.028			76.10	26.40	10.30	8.70	562.
77	7 6	100	43.6		.063	14.200	.025			64.60	26.50	9.60	7.90	574.
77	7 6	700	39.2		.078	14.300	.041			141.00	26.20	10.60	7.60	581.
77	7 6	1300	34.0		.086	14.300	.022	2.060		162.00	26.20	9.53	6.50	584.
77	7 11	1300	8.1	.148	.035	4.240	.140			63.70	39.90	9.81	2.50	683.
77	7 12	1300	7.5	.131	.023	4.340	.124			39.40	36.50	10.38	1.90	679.
77	7 13	1300	5.7	.118	.010	3.630	.103			49.30	34.40	9.63	2.00	684.
77	7 14	1300	6.3	.239	.010	2.960	.086			204.00	35.50	9.79	6.00	675.
77	7 15	1300	5.2	.121		2.370	.059			59.70	35.00	9.57	2.10	687.
77	7 16	700	4.0	.118		2.010	.032			60.70	34.90	8.84	2.20	674.
77	7 22	1900	41.4	.147	.027	.720	.130			60.30	33.70	7.54	2.20	718.
77	7 23	100	50.0	.156	.032	1.090	.095			73.60	26.90	4.80	3.10	717.
77	7 23	700	21.6	.161	.033	.340	.179			84.70	33.90	6.92	3.80	733.
77	7 23	1300	17.2	.152	.029	.320	.084			109.00	33.20	5.39	5.40	618.
77	7 23	1900	11.4	.259	.041	2.120	.070			112.00	20.90	6.45	8.20	518.
77	7 24	100	8.6	.283	.041	2.670	.040			121.00	17.90	7.16	8.50	463.
77	7 24	700	7.5	.251	.038	2.900	.020			104.00	17.70	6.78	7.30	457.
77	7 24	1300	6.3	.247	.037	2.980	.051			129.00	17.90	8.13	7.10	469.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING DATE	TIME 24 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
77 7 24 1900		5.7	.225	.03P	2.990	.052				118.00	18.40	6.69	6.10	479.
77 7 25 100		5.2	.226	.02P	2.910	.052				92.50	19.60	6.66	5.40	486.
77 7 25 700		7.5	.289	.031	2.930	.109				199.00	19.00	7.24	8.20	498.
77 7 25 1300		8.1	.231	.047	2.580	.065		.883		99.20	21.80	8.37	5.60	499.
77 7 26 1300		21.6	.235	.047	2.570	.077				131.00	21.20	8.29	6.80	451.
77 7 27 1300		8.6	.193	.045	2.040	.096				124.00	23.40	7.96	5.40	495.
77 7 28 1300		5.2	.161	.035	1.850	.107				69.80	23.80	9.31	4.10	510.
77 7 29 1300		3.4	.152	.024	1.680	.073				77.80	24.40	9.75	3.90	525.
77 7 30 1300		2.8	.149	.024	1.530	.090				74.90	25.30	8.33	3.70	560.
77 7 31 1300		2.3	.140	.032	1.290	.096				55.60	25.50	5.43	2.50	576.
77 8 1 700		2.6	.140	.018	1.180	.092		1.460		75.80	25.90	8.68	2.60	598.
77 8 1 1300		2.8	.140	.045	1.200	.010				46.50	27.10	7.66	2.20	615.
77 8 2 1300		2.8	.150	.041	.980	.021				66.80	27.40	7.85	3.50	627.
77 8 3 1300		2.6	.123	.026	.690	.114				48.30	27.60	7.27	2.10	637.
77 8 4 1300		2.8	.119	.028	.420	.156				46.70	27.50	7.24	2.00	650.
77 8 5 1300		6.3	.164	.028	.690	.142				74.40	29.80	5.89	3.20	605.
77 8 6 1300		3.7	.149	.014	.200	.120				66.40	28.10	4.67	2.60	633.
77 8 7 1300		4.6	.128		.120	.086				39.60	28.90	6.02	1.90	652.
77 8 8 700		7.5	.133		.070	.012				51.30	29.80	5.47	2.10	666.
77 8 8 1300		6.9	.146	.052	.560	.025				55.50	28.70			688.
77 8 9 1900		6.3	.133	.047	.390	.115				25.10	29.50			701.
77 8 9 1300		6.3	.136	.039	.480	.084				53.20	30.70			742.
77 8 10 700		4.0	.171	.034	.390	.060				86.20	31.60			754.
77 8 10 1300		4.0	.125	.034	.380	.138				36.50	30.90			763.
77 8 11 1300		5.0	.127	.017	.230	.172				47.30	32.30			786.
77 8 12 100		8.5	.210	.167	.550	.100				103.00	36.00			638.
77 8 12 700		8.5	.225	.039	.840	.111				136.00	28.80			722.
77 8 12 1300		8.5	.286	.044	2.170	.064				177.00	23.90			628.
77 8 12 1900		8.5	.263	.038	1.470	.083				167.00	29.20			694.
77 8 13 100		11.0	.291	.052	2.020	.069				150.00	25.80			655.
77 8 13 700		11.0	.314	.052	2.360	.077				163.00	23.20			587.
77 8 13 1300		11.0	.304	.045	1.760	.071				166.00	24.20			617.
77 8 13 1900		11.0	.305	.052	1.730	.073				151.00	25.20			582.
77 8 14 100		9.6	.283	.052	1.730	.071				133.00	24.00			559.
77 8 14 700		9.6	.274	.046	1.650	.099				137.00	22.40			525.
77 8 14 1300		9.6	.271	.033	1.620	.084				118.00	21.90			507.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : TYMOCHTEE CREEK

LOCATION W/CODE : NEAR CRAWFORD, OHIO

USGS NO. 04196800

SAMPLING TIME	FLOW	TOTAL	ORTHOPHOS.	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
DATE 2400	CFS	PHOS.	PHOS.	NO-3		NIT.	KJELD		SOLIDS	RIDE			25C.
YR MO DY HRS.		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 14 1900	9.4	.254	.027	1.570	.050				116.00	21.20			496.
77 8 15 100	7.6	.243	.029	1.610	.087				118.00	22.00			505.
77 8 15 700	7.6	.240	.024	1.580	.077				117.00	22.20			507.

HONEY CREEK
AT
MELMORE, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MONLY CREEK

LOCATION & CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING DATE YR MO DY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 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	1 28 1400	360.0	.203	.110	3.300	2.000				.20	18.00			251.
76	1 28 1800	348.1	.264	.090	3.100	.300				31.00	18.00			258.
76	1 28 2400	350.4	.238	.080	3.000	.260				38.50	19.00			274.
76	1 29 600	357.5	.235	.070	3.000	.250				32.30	18.00			278.
76	1 29 1200	1083.5	.196	.110	3.200	.310				22.10	19.00			294.
76	1 29 1800	955.3	.164	.080	3.100	.240				24.50	19.00			304.
76	1 29 2400	487.2	.199	.100	3.200	.350				25.70	19.00			321.
76	1 30 600	419.7	.182	.070	3.300	.210				35.30	20.00			332.
76	1 30 1200	425.0	.177	.070	3.300	.230				16.00	20.00			349.
76	1 30 1800	343.4	.166	.120	3.300	.260				16.20	20.00			361.
76	1 30 2400	266.1	.166	.060	3.700	.220				5.80	21.00			380.
76	1 31 600	253.0	.146	.070	4.000	.220				4.00	21.00			390.
76	1 31 1200	227.7	.147	.060	4.000	.190				8.80	22.00			411.
76	1 31 1800	268.3	.138	.050	4.100	.180				9.10	23.00			424.
76	1 31 2400	259.6	.134	.050	4.000	.160				15.20	23.00			442.
76	2 2 2110	78.0	.123	.040	3.800	.180				9.70	22.00			505.
76	2 3 310	58.0	.118	.040	3.700	.170				7.50	23.00			504.
76	2 4 910	58.0	.115	.040	3.800	.170				6.10	23.00			518.
76	2 5 1510	58.0	.105	.030	3.700	.140				6.30	22.00			528.
76	2 6 2110	58.0	.114	.030	3.700	.180				9.00	21.00			533.
76	2 7 2110	46.0	.094	.030	3.700	.960				6.90	21.00			548.
76	2 8 2110	42.0	.090	.030	3.500	.130				4.30	23.00			594.
76	2 9 2110	29.0	.095	.030	3.500	.170				6.60	22.00			596.
76	2 10 2110	37.0	.087	.030	3.500	.170				5.00	22.00			619.
76	2 11 2110	75.0	.092	.020	3.300	.200				6.90	22.00			634.
76	2 12 1510	34.0	.062	.020	3.400	.170				4.50	22.00			633.
76	2 13 1800	34.0	.061	.020	3.700	.110				14.30	27.00			625.
76	2 14 2400	34.0	.057	.020	3.600	2.000				9.20	27.00			631.
76	2 15 600	110.0	.060	.030	3.300	.150				6.40	75.00			640.
76	2 16 1200	110.0	.090	.040	3.300	.160				19.20	75.00			810.
76	2 17 1800	110.0	.244	.090	2.200	2.000				68.10	29.00			410.
76	2 18 2400	110.0	.350	.160	1.500	1.800				86.50	22.00			269.
76	2 19 600	655.0	.422	.200	1.500	1.310				104.00	20.00			216.
76	2 11 1200	655.0	.332	.160	1.500	2.000				75.50	19.00			227.
76	2 11 1800	655.0	.361	.180	1.600	2.100				92.60	30.00			280.
76	2 11 2400	655.0	.341	.180	1.700	.620				59.50	26.00			263.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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 12 500	662.0	.309	.140	1.800	.480				55.50	25.00			255.
76	2 12 1200	662.0	.283	.140	1.900	2.000				55.50	22.00			243.
76	2 12 1800	662.0	.290	.110	2.100	2.000				43.20	20.00			235.
76	2 12 2400	662.0	.250	.080	2.200	.290				65.80	20.00			246.
76	2 13 600	690.0	.236	.070	2.300	.270				61.40	20.00			261.
76	2 13 1200	690.0	.214	.060	2.300	.520				61.30	20.00			274.
76	2 13 1800	690.0	.231	.030	2.900	.140				82.60	24.00			278.
76	2 13 2400	690.0	.187	.050	2.400	.180				50.10	20.00			288.
76	2 14 600	529.0	.164	.040	2.500	.140				37.60	20.00			298.
76	2 14 1200	529.0	.164	.040	2.600	.150				37.70	20.00			302.
76	2 14 1800	529.0	.173	.040	2.800	.100				45.10	20.00			320.
76	2 14 2400	529.0	.159	.030	3.100	.140				34.20	20.00			325.
76	2 15 600	387.0	.136	.030	3.100	2.000				31.70	20.00			336.
76	2 15 1200	387.0	.137	.030	3.100	.060				32.30	21.00			348.
76	2 15 1800	387.0	.146	.040	3.200	.240				36.40	21.00			353.
76	2 15 2400	387.0	.156	.030	3.000	.170				39.50	20.00			353.
76	2 16 600	679.3	.174	.030	3.100	.100				57.10	20.00			341.
76	2 16 1200	685.9	.183	.040	3.500	2.000				48.20	22.00			348.
76	2 16 1800	1986.0	1.240	.040	3.600	.090		2.500		771.00	17.00			260.
76	2 17 100	3721.0	1.820	.040	2.800	.190				978.00	12.00			194.
76	2 17 700	3814.0	1.150	.030	3.200	.160				936.00	14.00			210.
76	2 17 1300	4101.0	1.210	.040	3.400	.190				1131.00	14.00			209.
76	2 17 1900	3630.0	1.070	.040	3.700	.200		2.300		103.00	15.00			214.
76	2 18 100	3214.0	.978	.040	3.900	.170				299.00	15.00			221.
76	2 18 700	2933.0	1.120	.040	4.000	.170				442.00	15.00			224.
76	2 18 1300	2702.2	.853	.040	4.100	.180				585.00	15.00			241.
76	2 18 1900	2199.5	.819	.050	4.300	.240		1.600		377.00	16.00			253.
76	2 19 100	2080.4	.587	.030	4.500	.150				416.00	16.00			271.
76	2 19 700	2047.0	.576	.030	4.600	.130				178.00	17.00			280.
76	2 19 1300	1810.9	.490	.030	4.800	.130				210.00	18.00			291.
76	2 19 1900	1571.0	.464	.030	5.000	.100		1.400		195.00	18.00			304.
76	2 20 100	1381.0	.501	.020	5.100	.100				216.00	18.00			317.
76	2 20 700	1230.0	.438	.020	5.000	.100				270.00	19.00			316.
76	2 20 1300	1074.5	.396	.020	5.000	.090				166.00	19.00			323.
76	2 20 1900	947.1	.357	.020	5.000	.090		1.400		132.00	19.00			330.
76	2 21 100	846.0	.349	.020	4.900	.110				114.00	19.00			338.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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
YR MO DY	HRS.													
76	2	21	700	748.8	.316	.030	4.900	.110		106.00	19.00			347.
76	2	21	1300	963.9	.447	.030	4.200	.120		227.00	18.00			326.
76	2	21	1900	1007.3	.479	.030	3.700	.100	1.300	276.00	17.00			312.
76	2	22	100	1124.8	.500	.030	3.900	.090		224.00	17.00			313.
76	2	22	700	1106.4	.420	.030	3.900	.070		186.00	18.00			313.
76	2	22	1300	1052.0	.442	.030	3.800	.080		209.00	18.00			311.
76	2	22	1900	1029.6	.433	.030	4.000	.060	1.300	200.00	18.00			318.
76	2	23	100	985.5	.394	.030	3.900	.060		180.00	18.00			313.
76	2	23	700	955.3	.339	.030	4.100	.060		155.00	18.00			327.
76	2	23	1300	823.8	.305	.030	4.200	.060		122.00	18.00			339.
76	2	23	1900	741.4	.274	.040	4.100	.090	1.300	94.40	21.00			349.
76	2	24	1900	470.6	.227	.040	4.000		3.800	66.90	23.00			395.
76	2	25	1900	352.2	.222	.040	4.000		1.000	44.10	24.00			429.
76	2	26	1900	240.2	.309	.150	3.900		1.000	62.40	23.00			450.
76	2	27	1900	192.8	.180	.040	3.700			65.10	23.00			411.
76	2	28	1900	152.0	.194	.030	3.600		2.100	76.60	23.00			481.
76	2	29	1900	125.0	.180	.030	3.500		11.900	60.50	23.00			494.
76	3	1	700	111.6	.180	.020	3.400		2.300	67.50	23.00			512.
76	3	1	1300	106.2	.190	.040	3.500	.030	1.300	71.30	22.00			503.
76	3	2	1300	90.4	.180	.040	3.500			67.20	22.00			517.
76	3	3	1300	85.4	.165	.040	3.200	.080		62.70	22.00			530.
76	3	3	1900	92.9	.194	.040	3.100	.020		78.50	24.00			516.
76	3	4	100	171.5	.319	.050	3.000	.110		143.00	23.00			492.
76	3	4	700	478.9	.703	.060	2.300	.150		507.00	21.00			390.
76	3	4	1300	756.3	.621	.050	2.300	.120		414.00	18.00			325.
76	3	4	1900	658.6	.561	.050	2.500	.070		312.00	18.00			306.
76	3	5	100	172.4	.480	.050	2.600	.110		246.00	18.00			316.
76	3	5	700	430.6	.460	.050	2.800	.160		228.00	19.00			314.
76	3	5	1300	1138.7	.520	.040	2.700	.170		287.00	17.00			289.
76	3	5	1900	1279.0	.567	.040	2.700	.030		304.00	16.00			279.
76	3	6	100	1140.8	.457	.040	2.900			242.00	16.00			287.
76	3	6	700	1241.0	.432	.040	3.000	.030		176.00	16.00			298.
76	3	6	1300	922.4	.484	.040	2.900	.060		208.00	16.00			305.
76	3	6	1900	843.0	.494	.040	2.800	.050		210.00	16.00			309.
76	3	7	100	730.2	.452	.040	2.800	.040		174.00	16.00			322.
76	3	7	700	627.1	.398	.030	2.800	.030		152.00	16.00			333.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING DATE YR MO DAY	TIME CST	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NO-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. UMMO
76	7	1300	535.0	.354	.030	2.800	.120			128.00	16.00			352.
76	7	1900	446.0	.326	.030	2.900	.090			103.00	17.00			360.
76	7	1100	328.0	.294	.040	2.900	.030			105.00	17.00			379.
76	7	700	329.5	.280	.030	2.900	.040			92.10	18.00			386.
76	7	1900	246.5	.237	.030	3.200	.030	1.400		50.70	24.00			411.
76	7	1500	163.3	.210	.030	3.300	2.000	1.200		44.80	26.00			468.
76	7	1100	109.4	.187	.030	3.300	.050	1.100		39.70	26.00			471.
76	7	1100	125.0	.144	.050	3.100	.070	1.100		26.70	27.00			499.
76	7	1200	125.0	.137	.020	2.900	2.000	.800		36.20	28.00			513.
76	7	1300	125.0	.123	.020	2.800	.040	.700		30.00	30.00			527.
76	7	1400	125.0	.125	.020	2.800	1.760	.900		33.70	30.00			541.
76	7	1500	92.9	.107	.010	2.800	.070	1.200		19.00	31.00			556.
76	7	1500	84.1	.099	.020	2.800	.010	.600		20.80	24.00			569.
76	7	1600	76.1	.096	.020	2.800	.010	.600		11.50	25.00			575.
76	7	1700	72.4	.094	.010	2.600	.030	.600		21.10	24.00			585.
76	7	1800	69.6	.099	.020	2.600	.030	.800		9.90	29.00			612.
76	7	1900	123.4	.171	.050	2.300	.070	.800		28.40	27.00			561.
76	7	1900	136.7	.123	.020	2.500	.100	.900		30.00	26.00			536.
76	7	2100	225.0	.251	.020	2.400	.090	1.200		91.90	24.00			478.
76	7	2100	325.0	.340	.020	2.200	.140	1.500		155.00	25.00			461.
76	7	2100	362.0	.434	.030	2.700	.110	1.600		181.00	24.00			432.
76	7	2200	435.4	.609	.030	2.700	.110	2.400		303.00	22.00			410.
76	7	2200	440.8	.770	.020	3.100	.110	2.900		383.00	20.00			355.
76	7	2200	448.8	.695	.020	3.500	.150	2.900		276.00	19.00			347.
76	7	2200	427.6	.561	.020	3.400	.120			239.00	18.00			347.
76	7	2300	376.8	.468	.020	3.600	.110			210.00	19.00			365.
76	7	2300	307.1	.426	.030	3.400	.110			177.00	19.00			380.
76	7	2300	246.5	.357	.020	3.400	.130			153.00	20.00			407.
76	7	2300	205.0	.292	.030	3.300	.130			135.00	21.00			427.
76	7	2400	178.5	.267	.020	3.100	.160			123.00	21.00			443.
76	7	2400	150.4	.241		3.100	.050			115.00	21.00			461.
76	7	2400	132.3	.203	.020	2.900	.120			81.20	21.00			473.
76	7	2500	109.0											518.
76	7	2500	113.5	.184	.020	2.600	.230			67.90	22.00			540.
76	7	2600	64.6	.154	.010	2.400	.400			57.50	23.00			540.
76	7	2700	73.4	.129	.010	2.200	.070			45.20	24.00			558.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MONEY CREEK

LOCATION W/CODE : AT HELMGRE, OHIO

USGS NO. 04197100

SAMPLING DATE	TIME	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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
YR MO DY	HRS.													
76	3	28	1900	133.8	.267	.020	1.800	.060		126.00	25.00			508.
76	3	29	1900	100.8	.228	.010	1.900	.090		94.20	22.00			509.
76	3	29	1900	96.7	.203	.030	2.300	.060		92.00	21.00			502.
76	3	29	1900	71.7	.162	.020	2.300			59.30	23.00			524.
76	3	29	2200	67.9	.124	.030	2.200	.110		43.00	23.00			552.
76	3	31	100	85.4	.123	.020	2.200	.070		34.60	24.00			578.
76	3	31	400	81.8	.095	.025	2.000			29.70	23.00			583.
76	3	31	400	69.6	.127	.047	1.800			38.80	25.00			576.
76	4	1	400	62.6	.118	.030	1.650	.060		37.30	26.00			541.
76	4	2	100	59.9	.128	.030	2.500			34.40	23.00			488.
76	4	5	1900	90.4	.082		2.200	.050		27.80	23.00			534.
76	4	6	1900	69.6	.047		2.000	.060		17.90	22.00			558.
76	4	7	1900	57.0	.044		1.600	.060		16.60	22.00			566.
76	4	8	1900	49.3	.033		1.500	.130		8.80	22.00			584.
76	4	9	1900	42.5	.020		1.300	.190		8.60	22.00			574.
76	4	11	1900	37.4	.017		1.400	.010		4.70	25.00			574.
76	4	11	1900	37.4	.017		1.300			5.00	22.00			587.
76	4	12	1300	35.5	.037		1.200	.150		3.60	23.00			602.
76	4	13	1900	31.1	.024	.010	1.200	.220		8.30	25.00			602.
76	4	14	1900	29.0	.033	.010	1.100	.510		7.30	25.00			660.
76	4	15	1900	28.3	.037	.010	1.100	.190		7.10	25.00			610.
76	4	16	1900	25.7	.035	.010	1.100	.190		9.90	25.00			617.
76	4	17	1900	25.1	.047	.020	1.000	.200		7.30	26.00			637.
76	4	18	1900	23.1	.054	.010	.900	.130		8.90	25.00			638.
76	4	19	1900	21.0	.046	.030	.800	.190		11.10	30.00			638.
76	4	20	1900	11.7	.067	.040	.900	.260		9.50	28.00			630.
76	4	21	1900	20.5	.077	.040	.900	.220		10.10	31.00			630.
76	4	22	1900	21.7	.047	.030	1.000	.180		12.00	29.00			650.
76	4	27	1900	25.1	.069	.030	.900	.170		12.80	29.00			653.
76	4	24	1900	25.7	.063	.020	.900	.120		11.80	29.00			658.
76	4	25	1900	25.7	.057	.010	1.300	.110		9.60	28.00			662.
76	4	26	1900	28.0	.051	.010	1.400	.040		7.10	29.00			671.
76	4	26	1900	25.1	.031	.030	1.400	.080		7.50	30.00		.53	671.
76	4	27	1900	20.7	.020	.020	1.200	.070		7.30	30.00		.59	675.
76	4	28	1900	25.7	.020	.020	1.200	.280		5.50	31.00		.53	656.
76	4	28	1900	22.4	.070	.010	1.050	.060		8.60	30.00		43.00	632.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING DATE	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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	4 31 1900	20.1		.010	1.150	.060				7.80	30.00		50.00	619.
76	5 1 1900	18.9		.010	1.150	.050				7.30	30.00		.51	643.
76	5 2 1900	18.9	.058	.040	1.250	.090				17.20	32.00		1.00	646.
76	5 3 1900	18.9	.010	.010	1.300	.010				4.90	29.00		.46	648.
76	5 3 1900	18.9	.716	.030	1.200	.200				6.60	29.00			654.
76	5 4 1900	18.2	.056	.010	1.200	.200				7.20	30.00			659.
76	5 5 1900	16.7	.054	.010	1.000	.240				8.00	28.00			647.
76	5 6 1900	15.6	.162	.060	1.700	.840				18.40	28.00			645.
76	5 7 1900	21.9	.068		1.200	.220				9.90	27.00			631.
76	5 8 1900	20.7	.092	.010	1.800	.370				10.70	31.00			665.
76	5 9 1900	23.8	.075		.900	.370				12.40	30.00			661.
76	5 10 1900	21.3	.074		.800	.190				7.90	33.00			694.
76	5 11 1900	20.1	.111	.070	2.200	.120				10.00	48.00			668.
76	5 12 1900	17.7	.095	.060	2.300	.080				8.20	49.00			667.
76	5 13 1900	14.2	.087	.070	2.400	.070				10.60	46.00			665.
76	5 14 1900	13.2	.081	.060	2.200	.080				8.00	44.00			673.
76	5 15 1900	13.2	.085	.050	1.800	.040				9.40	40.00			675.
76	5 16 1900	13.2	.104	.050	1.700	.060				21.30	38.00			650.
76	5 17 1900	13.2	.100	.040	1.800					7.10	36.00			661.
76	5 18 1900	13.7	.100	.060	2.200	.100					38.00			662.
76	5 19 1900	15.6	.148	.070	1.700	.010				24.20	31.00			603.
76	5 20 1900	16.6	.091	.040	1.800	.030				6.50	32.00			651.
76	5 21 1900	67.6	.202	.070	4.700	.120				52.70	35.00			658.
76	5 22 1900	40.2	.186	.050	14.000	.390				43.00	40.00			635.
76	5 23 1900	26.4	.139	.040	9.900	.130				23.10	36.00			630.
76	5 24 1900	21.3	.121	.040	7.700	.080				19.50	34.00			631.
76	5 25 1900	16.6	.102	.040	6.100	.180				17.90	39.00			642.
76	5 26 1900	15.1	.092	.040	4.200	.060				11.60	36.00			664.
76	5 27 1900	43.4	.565	.130	20.000	.030				276.00	27.00			501.
76	5 28 1900	51.0	.447	.110	20.000	.040				221.00	28.00			537.
76	5 29 1900	77.2	.951	.130	20.000	.040				706.00	25.00			429.
76	5 30 1900	83.0	.522	.120	13.300	.030				286.00	25.00			456.
76	6 1 1900	83.0	.289	.080	13.400	.030				133.00	29.00			535.
76	6 2 1900	71.6	.297	.120	13.800	.030				107.00	33.00			624.
76	6 3 1900	96.7	.318	.130	8.500	.030				120.00	36.00			664.
76	6 4 1900	107.6	.258	.090	6.400	.100				99.70	33.00			693.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT HELMORE, OHIO

USGS NO. 04197100

SAMPLING TIME DATE: 2400 YR MO DY HMS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 6 2 1800	114.7	.265	.100	9.500	.020				123.00	34.00			670.
76 6 2 2400	114.7	.331	.100	10.100	.030				136.00	38.00			689.
76 6 3 600	114.7	.288	.080	20.000	.010				116.00	39.00			732.
76 6 3 1200	104.0	.255	.070	20.000	.030				98.40	39.00			749.
76 6 3 1800	89.1	.220	.060	20.000	.020				82.80	39.00			759.
76 6 3 2400	74.9	.221	.050	20.000	.030				82.20	39.00			761.
76 6 4 600	65.6	.200	.050	19.200	.020				96.50	38.00			758.
76 6 4 1200	59.0	.186	.050	18.400	.040				87.80	38.00			754.
76 6 4 1800	47.5	.174	.050	17.800	.030				64.70	38.00			753.
76 6 5 1800	35.5	.181	.030	18.500	.030				63.60	38.00			750.
76 6 6 1800	24.4	.163	.030	15.900	.020				46.60	37.00			748.
76 6 7 1200	21.3	.157	.030	13.100	.020				44.90	37.00			750.
76 6 7 1800	19.5	.190	.040	19.000	.030				43.20	37.00			722.
76 6 8 100	18.7	.146	.070	12.300	.030				36.90	36.00			729.
76 6 8 700	17.1	.150	.070	11.700	.040				43.30	36.00			732.
76 6 8 1300	16.6	.154	.040	10.500	.040				46.50	36.00			728.
76 6 8 1400	16.0	.141	.070	10.400	.040				39.90	35.00			716.
76 6 9 100	12.0	.164	.080	9.800	.040				47.30	34.00			717.
76 6 9 700	12.0	.151	.070	9.200	.030				43.40	34.00			722.
76 6 9 1300	12.0	.137	.080	8.600	.060				43.70	34.00			719.
76 6 9 1900	12.0	.137	.070	8.000	.050				34.50	33.00			707.
76 6 10 100	11.0	.148	.070	7.400	.030				37.40	33.00			709.
76 6 10 700	11.0	.140	.070	7.000	.030				45.10	32.00			712.
76 6 10 1300	11.0	.143	.060	6.500	.030				43.70	31.00			710.
76 6 10 1900	11.0	.140	.060	6.200	.040				38.20	31.00			702.
76 6 11 1900	11.0	.139	.060	4.800	.040				31.40	30.00			697.
76 6 12 1400	7.4	.143	.060	3.800	.050				30.60	30.00			701.
76 6 13 1400	4.0	.139	.050	3.200	.040				34.00	29.00			703.
76 6 14 1300	3.5	.138	.060	2.900	.040				40.70	28.00			705.
76 6 14 1900	3.5	.115	.050	3.600	.050				28.30	30.00		.50	660.
76 6 15 1200	2.0	.103	.050	2.700	.050				30.30	28.00		.60	662.
76 6 16 1900	3.0	.120	.080	2.700	.010				29.70	27.00		.40	665.
76 6 17 1400	4.0	.092	.040	2.300	.060				20.70	26.00		.30	652.
76 6 18 1400	3.3	.133	.020	2.200	.120				25.40	26.00		.40	643.
76 6 19 1400	6.1	.145	.030	2.200	.050				31.50	27.00		.50	647.
76 6 20 1400	10.0	.123	.010	2.400	.020				38.40	29.00		.50	649.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MONEY CREEK

LOCATION W/CODE : AT WELMORE, OHIO

USGS NO. 04197100

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	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
76	6 21 1300	32.0	.239	.033	1.200					41.50	38.00		1.00	709.
76	6 21 1340	32.0	.263	.120	2.100	.070				88.30	40.00			712.
76	6 21 1940	32.0	.269	.110	2.100	.060				84.20	37.00			706.
76	6 22 140	29.0	.225	.100	5.100	.020				73.60	36.00			679.
76	6 22 740	29.0	.207	.100	7.100	.090				61.80	35.00			669.
76	6 22 1340	29.0	.188	.090	8.500	.070				54.70	34.00			654.
76	6 22 1940	29.0		.080	9.600	.060					34.00			600.
76	6 23 140	17.0	.171	.070	11.200	.040				59.00	34.00			668.
76	6 23 740	17.0	.157	.070	12.400	.090				48.80	36.00			680.
76	6 23 1340	17.0	.142	.060	13.600	.090				43.00	37.00			687.
76	6 23 1940	17.0	.158	.060	14.800	.080				58.80	38.00			704.
76	6 24 140	16.0	.195	.070	14.800	.040				83.90	39.00			719.
76	6 24 740	16.0	.216	.120	14.700	.060				46.90	41.00			729.
76	6 24 1340	16.0	.231	.100	14.800	.060				61.20	37.00			688.
76	6 24 1940	16.0	.185	.060	13.300	.050				71.50	36.00			676.
76	6 25 140	18.0	.187	.060	12.200	.040				78.50	35.00			673.
76	6 25 740	18.0	.166	.050	12.900	.050				55.60	34.00			669.
76	6 25 1340	18.0	.154	.050	12.400	.040				50.30	33.00			673.
76	6 25 1940	18.0	.237	.120	13.000	.060				64.00	39.00			693.
76	6 26 140	39.0	.253	.110	14.400	.070				76.10	39.00			719.
76	6 26 740	39.0	.196	.060	13.300	.030				73.10	38.00			719.
76	6 26 1340	39.0	.189	.050	13.500	.030				73.70	39.00			718.
76	6 26 1940	39.0	.233	.080	11.800	.020				72.20	43.00			717.
76	6 27 140	38.0	.217	.070	10.400	.050				81.10	41.00			718.
76	6 27 740	38.0	.176	.060	11.700	.010				54.30	41.00			713.
76	6 27 1340	38.0	.159	.050	12.300	.010				47.70	40.00			703.
76	6 27 1940	38.0	.164	.050	13.300	.010				55.00	38.00			691.
76	6 28 140	24.0	.177	.050	13.400	.010				68.60	36.00			680.
76	6 28 740	24.0	.172	.070	12.600	.010				45.80	34.00			656.
76	6 28 1900	24.0	.151	.080	11.800	.060				39.10	33.00			639.
76	6 29 1900	18.0	.139	.070	9.900	.020				33.30	34.00			642.
76	6 30 1900	27.0	.156	.070	10.900	.050				47.70	37.00			693.
76	7 1 1900	39.0	.215	.070	8.700	.070				87.90	37.00			650.
76	7 2 100	55.0	.262	.080	9.300	.020				114.00	32.00			578.
76	7 2 700	55.0	.331	.070	8.700	.030				185.00	27.00			533.
76	7 2 1300	55.0	.525	.080	8.600	.020				209.00	23.00			421.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MILLMORE, OHIO

USGS NO. 04197100

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	7	2	1900	55.0	.502	.120	9.800	.040			24.00			429.
76	7	2	1900	44.0	.404	.080	10.500	.030		198.00	24.00			477.
76	7	3	700	44.0	.332	.080	11.000			155.00	29.00			536.
76	7	3	1300	44.0	.284	.090	11.100	.010		127.00	31.00			558.
76	7	3	1900	44.0	.320	.100	10.900	.010		123.00	33.00			582.
76	7	4	100	27.0	.334	.100	10.600			146.00	36.00			613.
76	7	4	700	27.0	.260	.090	10.500	.010		103.00	36.00			631.
76	7	4	1300	27.0	.196	.080	10.000	.010		69.10	35.00			634.
76	7	4	1900	27.0	.193	.070	10.600			46.20	35.00			635.
76	7	5	1300	18.0	.171	.080	10.300			46.00	35.00			637.
76	7	5	1900	18.0	.180	.100	9.800	.050		38.50	33.00			630.
76	7	6	700	12.0	.150	.090	9.100	.010		49.40	32.00			623.
76	7	6	1900	12.0	.124	.080	7.900	.050		35.50	30.00			613.
76	7	7	700	7.0	.134	.090	7.200	.040		41.50	29.00			619.
76	7	7	1300	7.0	.106	.070	6.700	.080		26.50	29.00			612.
76	7	8	700	15.0	.213	.130	7.100	.010		51.80	33.00			605.
76	7	8	1900	15.0	.191	.090	5.900	.030		68.50	26.00			543.
76	7	9	700	19.0	.219	.110	5.700	.020		64.00	25.00			538.
76	7	9	1300	19.0	.207	.090	5.000	.030		66.00	26.00			510.
76	7	9	1900	19.0	.360	.220	7.200	.020		75.30	35.00			583.
76	7	10	100	34.0	.246	.100	5.200			80.30	29.00			612.
76	7	10	700	34.0	.227	.080	5.300			91.00	30.00			614.
76	7	10	1300	34.0	.230	.090	4.800	.010		79.10	33.00			627.
76	7	10	1900	34.0	.201	.080	3.700	.010		61.10	32.00			641.
76	7	11	100	21.0	.195	.080	3.100			60.50	31.00			638.
76	7	11	700	21.0	.191	.070	3.000			62.10	28.00			589.
76	7	11	1300	21.0	.143	.060	3.100			56.30	26.00			533.
76	7	11	1900	21.0	.147	.070	3.100	.010		51.30	24.00			514.
76	7	12	100	12.0	.145	.070	3.200			56.10	24.00			516.
76	7	12	700	12.0	.154	.080	3.300			60.30	23.00			526.
76	7	12	1300	12.0	.174	.080	3.400			47.70	23.00			528.
76	7	12	1900	12.0	.147	.080	3.100	.010		78.50	23.00			528.
76	7	13	700	7.0	.148	.080	3.200			41.10	23.00			562.
76	7	13	1500	9.0	.126	.060	3.000	.100		29.00	23.00			566.
76	7	14	700	6.0	.123	.060	3.000	.010		30.40	23.00			578.
76	7	14	1500	6.0	.107	.060	2.700	.030		19.30	23.00			578.

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLE NO	TIME DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COND	SUSPEND	CHLO	SI02	IRON	COND
YR	MO	DAY	CFS	PHOS/L	PHOS/L	NO-3	MG/L	NIT/L	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	25C. UMHO
76	7	15	700	3.8	.116	.050	2.700	.010			29.00	22.00			591.
76	7	17	700	3.8	.105	.030	2.500				16.80	22.00			582.
76	7	16	700	3.6	.128	.040	2.600	.010			29.90	22.00			584.
76	7	16	1900	3.6	.163	.080	3.000	.010			24.00	23.00			580.
76	7	17	700	6.4	.139	.040	2.100				42.90	21.00			573.
76	7	17	1900	6.4	.105	.030	2.200				14.60	23.00			575.
76	7	14	700	4.0	.106	.020	2.400				25.20	21.00			595.
76	7	19	1200	4.0	.114	.020	2.400				11.70	21.00			575.
76	7	19	700	3.6	.099	.020	2.500	.010			25.40	21.00			597.
76	7	19	1300	3.6	.106	.030	2.600	.040			8.90	23.00			614.
76	7	19	1900	3.6	.092	.090	2.100	.150			17.90	22.00			570.
76	7	20	100	5.1	.120	.090	2.000	.110			37.00	23.00			576.
76	7	20	700	5.1	.110	.070	2.000	.060			21.60	23.00			572.
76	7	20	1300	5.1	.091	.060	1.900	.070			68.40	24.00			573.
76	7	20	1900	5.1	.096	.060	1.900	.010				24.00			576.
76	7	21	100	4.9	.112	.070	2.000	.050				26.00			591.
76	7	21	700	4.9	.196	.120	2.200	.040			31.00	30.00			604.
76	7	21	1300	4.9	.096	.070	2.400	.010				30.00			600.
76	7	21	1900	4.9	.087	.070	2.300	.020			120.00	29.00			606.
76	7	22	100	5.6	.116	.070	2.300				16.90	30.00			625.
76	7	22	700	5.6	.118	.060	2.200				29.20	30.00			627.
76	7	22	1300	5.6	.103	.080	2.000	.010			32.10	29.00			626.
76	7	22	1900	5.6	.120	.060	1.800				14.60	28.00			594.
76	7	23	100	39.0	.238	.030	1.900				24.20	25.00		2.20	507.
76	7	23	700	39.0	.585	.030	1.800	.010			110.00	23.00		8.50	382.
76	7	23	1300	39.0							422.00				335.
76	7	23	1300	39.0	.540	.130	3.200	.140							328.
76	7	23	1600	39.0	.560	.130	2.600	.080			400.00				330.
76	7	23	1900	39.0	.570	.170	3.200	.060			342.00				319.
76	7	23	2200	39.0	.614	.210	4.000	.150			292.00				345.
76	7	24	100	40.0	.615	.250	4.800	.250			269.00				356.
76	7	24	700	40.0	.628	.260	4.900	.240			227.00				383.
76	7	24	1000	40.0	.676	.260	5.500	.300			202.00				405.
76	7	24	1300	40.0	.635	.230	3.600	.150			297.00				421.
76	7	24	1600	40.0	.543	.240	3.800	.170			305.00				365.
											288.00				367.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING TIME DATE 2410 YR MO DY H45	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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 7 24 1920	40.0	.533	.240	3.600	.120				198.00				403.
76 7 24 2200	40.0	.526	.220	3.300	.070				197.00				399.
76 7 25 100	31.0	.474	.190	2.000	.050				195.00				427.
76 7 25 400	31.0	.415	.180	2.700	.040				147.60				473.
76 7 25 700	31.0	.360	.170	2.500	.020				111.00				505.
76 7 25 1000	31.0	.342	.200	2.600	.030				101.00				540.
76 7 25 1300	31.0	.362	.210	2.600	.020				98.70				572.
76 7 25 1600	31.0	.306	.200	2.300	.020				75.00				575.
76 7 25 1900	31.0	.286	.180	2.000	.010				81.50				573.
76 7 25 2200	31.0	.263	.130	1.800	.010				72.70				578.
76 7 26 100	18.0	.260	.120	1.800	.020				74.60				591.
76 7 26 400	18.0	.294	.130	1.800	.030				85.80				599.
76 7 26 700	18.0	.298	.140	2.000	.030				89.10				600.
76 7 26 1000	18.0	.301	.150	2.100	.040				78.90				605.
76 7 26 1300	18.0	.294	.140	2.200	.040				76.90				602.
76 7 26 1600	18.0	.281	.130	2.200	.020				53.60				599.
76 7 27 700	12.0	.224	.140	2.500	.070				49.90	32.00			569.
76 7 27 1500	12.0	.216	.140	2.200	.030				59.10	29.00			577.
76 7 28 700	8.4	.174	.100	2.100	.120				39.80	28.00			579.
76 7 28 1500	8.4	.165	.100	1.900	.220				37.10	29.00			579.
76 7 29 700	5.9	.147	.110	2.000	.070				35.70	28.00			582.
76 7 29 1500	5.9	.159	.100	2.000	.040				34.80	27.00			584.
76 7 3 700	4.8	.142	.080	2.200	.030				29.20	26.00			590.
76 7 3 1500	4.9	.155	.080	2.100	.020				37.60	26.00			593.
76 7 31 700	4.2	.139	.080	2.200	.130				23.60	26.00			593.
76 7 31 1500	4.2	.161	.070	1.200	.120				42.20	26.00			607.
76 8 1 700	4.1	.141	.070	2.300					26.20	28.00			609.
76 8 1 1500	4.2	.139	.060	2.200	.110				31.20	24.00			606.
76 8 2 700	4.0	.097	.040	2.200	.020				17.10	23.00			600.
76 8 2 1300	4.2	.113	.040	2.300	.020				24.50	23.00			605.
76 8 3 100	4.1	.165	.100	2.200	.100				35.60	27.00			585.
76 8 3 700	4.2	.161	.110	2.400	.040				41.40	29.00			609.
76 8 7 1500	4.2	.121	.110	2.500	.050				18.20	32.00			605.
76 8 4 700	4.2	.129	.100	2.300	.070				32.80	29.00			606.
76 8 4 1500	4.2	.133	.100	2.300	.080				14.80	32.00			606.
76 8 5 700	3.4	.120	.060	2.100	.070				31.50	29.00			594.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHOPHOS.	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLORIDE	SI02	IRON	COND
YR MO DY	HRS.	CFS	PHOS. MG/L	PHOS. MG/L	NO-3 MG/L	MG/L	NIT. MG/L	KJELD MG/L	MG/L	SOLIDS MG/L	RIDE MG/L	MG/L	MG/L	25C. UMHO
76	8	5	1900	3.3	.107	.060	2.200	.090		93.50	30.00			588.
76	8	6	700	3.1	.128	.060	2.200	.050		25.60	32.00			604.
76	8	6	1900	3.1	.106	.060	2.200	.050		21.10	33.00			610.
76	8	7	700	4.7	.146	.100	2.300	.070		22.30	31.00			609.
76	8	7	1900	4.7	.301	.240	4.400	.290		37.00	35.00			598.
76	8	8	700	27.0	.163	.100	2.200	.020		29.90	29.00			581.
76	8	8	1300	27.0	.147	.090	2.000	.020		33.50	28.00			576.
76	8	8	1900	27.0	.183	.090	2.200	.030		54.80	28.00			566.
76	8	9	100	61.0	.355	.180	1.000	.090		102.00	39.00			552.
76	8	9	700	61.0	.444	.210	2.400	.400		134.00	40.00			461.
76	8	9	1300	61.0	.387	.200	3.200	.330		97.00	37.00			455.
76	8	9	1900	61.0	.385	.210	2.600	.280		123.00	25.00			355.
76	8	10	700	32.0	.321	.190	2.700	.140		86.10	24.00			362.
76	8	10	1900	32.0	.272	.190	2.700	.040		56.30	24.00			392.
76	8	11	700	15.0	.246	.170	2.800	.050		64.20	25.00			423.
76	8	11	1900	15.0	.206	.160	2.700	.070		49.30	25.00			436.
76	8	12	700	9.3	.194	.150	2.700	.040		41.80	26.00			470.
76	8	12	1900	9.3	.175	.170	2.700	.110		28.00	27.00			486.
76	8	13	700	9.3	.372	.290	4.300	.050		65.10	33.00			499.
76	8	13	1400	9.6	.180	.180	2.600	.090		18.30	27.00			493.
76	8	14	700	9.0	.174	.160	2.500	.070		37.30	26.00			513.
76	8	14	1900	9.0	.234	.110	2.100	.030		124.00	23.00			417.
76	8	15	100	17.0	.525	.190	2.600	.030		269.00	21.00			362.
76	8	15	700	17.0	.307	.150	2.500	.040		121.00	27.00			453.
76	8	15	1300	17.0	.310	.130	2.200	.020		105.00	21.00			411.
76	8	15	1900	17.0	.326	.140	2.200	.010		100.00	21.00			412.
76	8	16	100	8.7	.271	.130	2.300	.010		76.50	23.00			456.
76	8	16	700	8.7	.243	.140	2.600	.040		68.60	28.00			504.
76	8	16	1300	8.7	.187	.140	2.700	.010		31.90	33.00			541.
76	8	16	1900	8.7	.170	.170	2.800	.410		23.80	31.00			545.
76	8	17	1400	8.7	.154	.150	2.200	.350		21.30	31.00			561.
76	8	18	1900	7.8	.140	.140	2.000	.420		19.30	29.00			563.
76	8	19	1900	5.6	.140	.140	1.700	.390		18.50	30.00			578.
76	8	20	1900	4.2	.160	.160	1.700	.510		16.00	34.00			593.
76	8	21	1900	4.0	.112	.110	1.700	.350		22.50	31.00			592.
76	8	22	1900	3.5	.108	.090	1.700	.380		14.90	33.00			608.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONLEY CREEK

LOCATION W/CODE : AT MILLMORE, OHIO

USGS NO. 041971C0

SAMPLING TIME DATE 24.00 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 23 700	2.4	.147	.110	1.700	.280				28.30	32.00			604.
76 8 23 1300	2.4	.147	.100	1.700	.500				35.60	31.00			611.
76 8 23 1900	2.4	.196	.130	1.400	.220				21.70	42.00			596.
76 8 24 100	2.0	.201	.120	1.400	.260				43.90	43.00			601.
76 8 24 700	2.0	.185	.090	1.300	.240				41.70	38.00			592.
76 8 24 1300	2.0	.191	.060	1.100	.320				30.50	80.00			739.
76 8 24 1900	2.0	.149	.040	.900	.190				51.50	47.00			565.
76 8 25 100	1.7	.206	.060	1.000	.230				45.90	37.00			570.
76 8 25 700	1.7	.180	.040	1.100	.180				42.50	34.00			565.
76 8 25 1300	1.7	.167	.050	1.100	.080				27.30	42.00			587.
76 8 25 1900	1.7	.174	.050	1.100	.070				27.20	40.00			587.
76 8 26 100	1.9	.193	.060	1.400	.110				39.60	32.00			576.
76 8 26 700	1.0	.185	.050	1.400	.120				37.30	31.00			579.
76 8 26 1300	1.0	.186	.040	1.400	.110				34.10	39.00			602.
76 8 31 1900	28.0	.975	.110	1.260	.207				61.50	38.00			554.
76 9 1 1900	17.0	.991	.112	1.290	.214				34.90	38.00			438.
76 9 2 1900	11.0	.317	.139	1.910	.115				31.50	30.00			469.
76 9 3 1300	7.0	.234	.171	2.250	.077				17.40	33.00			573.
76 9 4 1300	5.0	.455	.455	2.400	.765				18.90	45.00			539.
76 9 5 1300	4.0	.230	.121	2.280	.352				16.10	35.00			567.
76 9 6 1300	3.1	.541	.101	2.210	.028				11.20	37.00			636.
76 9 6 1900	3.2	.197	.170	2.510	.019				20.90	66.80		.55	686.
76 9 7 1900	2.4	.372	.342	2.990	.049				20.40	72.50		.53	736.
76 9 8 1900	2.1	.530	.483	3.190	.154				20.50	65.30		.53	727.
76 9 9 1900	1.0	.470	.431	2.980	.286				13.20	52.80		.48	686.
76 9 10 1900	3.4	.142	.120	2.030	.071				19.60	37.60		.57	592.
76 9 11 1900	4.7	.104	.060	1.750	.058				18.50	37.40		.51	588.
76 9 12 1900	10.0	.122	.070	1.850	.018				26.40	39.10		.67	600.
76 9 13 1900	7.0	.183	.129	1.250	.034				41.80	50.20		.99	600.
76 9 13 1900	7.0	.198	.155	1.170	.027				22.30	48.50			584.
76 9 14 1900	3.0	.169	.118	.870	.171				22.50	44.10			595.
76 9 15 1900	2.1	.197	.155	1.180	.145				19.40	47.20			625.
76 9 16 1900	1.0	.178	.107	1.300	.098				28.60	42.80			631.
76 9 17 1900	3.0	.188	.135	2.010	.132				24.50	38.90			587.
76 9 18 1900	3.0	.155	.078	1.120	.090				25.80	40.40			584.
76 9 19 1900	4.0	.140	.055	1.300	.076				23.90	37.60			601.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 9 20 1300	7.2	.174	.069	1.490	.100				26.70	40.30			591.
76 9 20 1900	4.7	.176	.106	1.570	.121				20.40	40.40			597.
76 9 21 1900	3.3	.130	.079	1.160					12.30	41.50			596.
76 9 22 1900	2.4	.152	.105	1.110	.248				14.00	39.30			597.
76 9 23 1900	2.4	.097	.073	1.240	.019				9.10	37.80			609.
76 9 24 1900	2.3	.109	.077	1.380	.118				8.90	38.10			630.
76 9 25 1900	1.5	.140	.114	1.470	.260				7.80	39.30			643.
76 9 26 1900	1.6	.220	.189	1.840	.303				12.10	44.70			647.
76 9 27 1300	2.3	.115	.083	1.620	.048				11.90	38.70			630.
76 9 27 1900	2.3	.104	.103	1.680	.107				10.10	34.90			616.
76 9 28 100	36.0	.123	.115	1.760	.068				19.70	38.30			628.
76 9 28 700	36.0	.109	.104	1.720	.074				19.50	37.90			634.
76 9 28 1300	36.0	.277	.211	.920	.099				57.10	46.70			610.
76 9 28 1900	36.0	.346	.204	3.410	.091				90.60	43.20			564.
76 9 29 100	51.0	.506	.217	3.940	.075				152.00	34.90			413.
76 9 29 700	51.0	.465	.222	4.990	.045				106.00	31.10			397.
76 9 29 1300	1.1	.433	.222	5.060	.064				81.30	35.20			428.
76 9 29 1900	51.0	.357	.198	4.840	.073				80.40	40.50			483.
76 9 30 100	26.0	.307	.195	4.980	.053				65.80	43.20			504.
76 9 30 700	26.0	.295	.179	4.970	.053				56.20	42.50			512.
76 9 30 1300	26.0	.277	.170	5.070	.044				22.10	43.00			521.
76 9 30 1900	26.0	.257	.159	4.980	.057				48.40	42.70			525.
76 10 1 100	9.6	.236	.163	4.930	.074				41.40	42.40			531.
76 10 1 700	9.6	.215	.141	4.880	.043				36.00	42.20			533.
76 10 1 1300	9.6	.202	.137	4.790	.050				29.00	42.70			539.
76 10 1 1900	9.6	.187	.136	4.740	.042				37.30	42.80			540.
76 10 2 100	6.2	.179	.123	4.570	.022				36.20	42.10			545.
76 10 2 700	6.2	.167	.120	4.650	.021				33.80	41.00			548.
76 10 2 1300	6.2	.152	.116	4.460	.042				28.80	42.30			555.
76 10 2 1900	6.2	.156	.123	4.330	.007				28.20	41.70			556.
76 10 3 100	4.7	.154	.127	4.090	.021				29.60	41.10			558.
76 10 3 700	4.7	.142	.110	4.020	.017				31.10	40.90			562.
76 10 3 1300	4.7	.130	.109	3.890	.007				16.30	41.40			564.
76 10 3 1900	4.7	.130	.108	3.800	.011				19.90	40.60			567.
76 10 4 100	4.0	.132	.102	3.670	.006				21.30	40.40			570.
76 10 4 700	4.0	.128	.099	3.680	.006				18.90	40.40			578.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING DATE YR MO DY	TIME 24H 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 1 4	1300	4.0	.116	.096	3.570	.006				13.20	42.30			584.
76 1 4	1900	4.0	.159	.082	3.280	.062				16.20	48.70			602.
76 1 5	1900	3.7	.140	.087	2.870	.118				15.60	46.00			606.
76 1 6	1900	4.6	.113	.055	2.530	.033				13.30	43.80			603.
76 1 7	1900	6.1	.086	.056	2.160	.047				12.90	43.50			611.
76 1 8	1900	5.9	.155	.059	1.980	.107				11.00	43.90			625.
76 1 9	1900	5.7	.157	.127	1.910	.231				8.80	48.30			647.
76 1 10	1900	6.6	.069	.029	1.570	.111				4.00	44.60			635.
76 1 11	1300	7.1	.073	.045	1.520	.050				8.30	43.00			637.
76 1 11	1900	7.1	.108	.095	1.480	.226				8.00	43.50			619.
76 1 12	1900	6.0	.065	.065	1.420	.053				9.10	46.00			633.
76 1 13	1900	2.6	.125	.121	1.300	.177				8.50	50.30			665.
76 1 14	1900	2.8	.072	.050	1.000	.051				5.90	47.70			652.
76 1 15	1900	2.7	.056	.053	.970	.017				5.40	49.80			671.
76 1 16	1900	2.7	.087	.071	.730	.074				17.00	48.30			685.
76 1 17	1900	2.4	.057	.037	.690	.036				5.30	46.30			671.
76 1 18	1300	2.8	.053	.036	.790	.042				6.10	45.70			667.
76 1 18	1900	2.8	.050	.025	.730	.064				5.00	45.00			635.
76 1 19	1900	3.0	.056	.025	.780	.061				4.00	43.90			630.
76 1 20	1900	3.5	.167	.042	1.690	.028				5.10	46.30			645.
76 1 21	1900	3.8	.112	.112	.730	.037				3.40	43.50			621.
76 1 22	1900	3.8	.041	.030	.750	.080				3.90	44.40			631.
76 1 23	1900	3.6	.049	.027	.480	.045				4.60	47.70			650.
76 1 24	1900	6.6	.114	.045	.970	.124				3.20	54.80			705.
76 1 25	1300	6.3	.187	.090	.540	.038				5.80	53.10			692.
76 1 25	1900	6.3	.083	.048	.550	.076					43.50	5.38		700.
76 1 26	1900	7.4	.111	.061	.450	.057				3.10	46.20	5.09		733.
76 1 27	1900	10.0	.140	.054	.350	.097				3.50	45.60	7.10		736.
76 1 28	1900	9.8	.106	.047	1.060	.046					46.30	6.55		734.
76 1 29	1900	7.3	.093	.044	2.100	.028					45.50	6.83		709.
76 1 30	1900	6.7	.083	.047	1.690	.036					39.70	7.05		688.
76 1 31	1900	6.7	.082	.038	1.730	.037					38.20	6.06		671.
76 1 1	1901	6.6	.067	.028	1.740	.022				1.50	37.80	6.10		677.
76 1 2	1901	7.5	.074	.042	1.930	.018				6.20	42.20	6.26		669.
76 1 3	1901	9.1	.089	.063	2.150	.031				6.10	43.40	6.49		689.
76 1 4	1901	9.1	.068	.054	1.310	.036				4.90	44.40	7.20		709.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING DATE YR MO DY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTH 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	5	1300	8.0	.062	.047	1.570	.021		4.10	45.40	6.49		715.
76	11	6	1300	8.1	.056	.045	1.440	.030		4.80	43.70	6.03		707.
76	11	7	1300	7.2	.055	.029	1.360	.023		4.80	42.00	4.72		698.
76	11	8	1300	5.7	.044	.030	1.460	.052		4.60	41.90	4.18		696.
76	11	8	1300	5.7	.057	.029	1.420	.022		1.20	42.50	4.03		675.
76	11	9	1300	4.5	.059	.032	1.580	.027		1.10	42.80	5.73		676.
76	11	10	1300	4.5	.040	.019	1.590	.025		2.30	41.10	3.08		672.
76	11	11	1300	4.5	.041	.021	1.600	.027		1.20	40.90	2.61		669.
76	11	12	1300	4.6	.043	.024	1.490	.057		.90	41.10	2.66		671.
76	11	13	1300	4.6	.042	.023	1.410	.066		1.90	41.80	2.53		676.
76	11	14	1300	4.3	.042	.025	1.350	.078		2.30	43.20	2.18		694.
76	11	15	1300	4.1	.038	.024	1.320	.053		2.40	44.10	2.07		701.
76	11	15	1300	4.1	.047	.028	1.380	.025		3.40	42.10			710.
76	11	16	1300	4.1	.043	.025	1.510	.039		3.40	43.50			722.
76	11	17	1300	4.1	.032	.022	1.320	.032		3.30	42.60			721.
76	11	22	1300	2.6	1.120	.146	1.140			3.60				1035.
76	11	23	1300	2.6	.083	.083	1.110	.223		3.30	42.00	2.04		707.
76	11	24	1300	2.4	.065	.065	1.140	.154		3.60	41.60	2.16		728.
76	11	25	1300	2.4	.050	.050	1.080	.194		3.40	40.40	2.32		718.
76	11	26	1300	2.9	.069	.069	1.150	.206		9.30	41.60	2.15		704.
76	11	27	1300	3.3	.037	.037	.950	.160		8.10	41.00	2.91		734.
76	11	28	1300	3.1	.025	.025	.910	.118		5.10	38.50	1.31		688.
76	11	29	1300	3.0	.026	.026	.950	.057		3.40	39.80	1.99		698.
76	12	7	1300	2.2	.066	.034	1.060	.167	3.390	3.60	42.10	3.48		779.
76	12	8	1300	2.2	.089	.037	1.330	.113	3.450	3.20	43.60	2.70		801.
76	12	9	1300	2.1	.043	.023	1.490	.690	3.500	7.60	42.50	2.10		810.
76	12	11	1300	2.1	.084	.050	1.360	.129	3.790	5.60	42.30	2.36		795.
76	12	12	1300	2.0	.061	.061	1.440	.159	3.270	2.40	48.10	2.40		833.
76	12	13	1300	1.9	.057	.030	1.570	.104	3.290	3.30	48.10	2.72		840.
76	12	14	1300	1.9	.110	.160	1.670	.560	3.870	5.00	49.60	2.72		855.
76	12	14	1300	1.9	.025	.025	1.590	.111	.840	4.70	49.40	1.27	.08	867.
76	12	15	1300	1.9	.031	.034	1.350	.112	.551	4.40	47.50	1.11	.09	840.
76	12	16	1300	1.9	.041	.040	1.260	.105	.517	4.30	46.10	1.12	.04	822.
76	12	17	1300	1.8	.041	.041	1.340	.133	.632	4.50	46.50	1.17	.09	858.
76	12	18	1300	1.8	.019	.019	1.440	.128	.526	4.10	44.90	1.26	.05	843.
76	12	19	1300	1.8	.034	.030	1.400	.106	.462	4.50	46.80	1.19	.11	837.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING TIME DATE 24:00 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	CHLOR RIDE MG/L	SIG2 MG/L	IRON MG/L	COND 25C. UMHO
76 12 20 700	1.8	.090	.058	1.250	.187		.997		9.00	44.70	1.13	.32	795.
76 12 20 1300	1.8	.152	.100	1.820	.317		.970		3.40	59.10	2.99		785.
76 12 21 1300	1.8	.063	.036	1.440	.143		.750		2.40	46.60	2.57		780.
76 12 22 1300	1.7	.050	.035	1.630	.119		.650		1.20	50.30	2.57		811.
76 12 23 1300	1.7	.059	.037	1.500	.110		1.330		1.40	53.70	2.15		823.
76 12 24 1300	1.7	.096	.057	1.720	.149		1.050		6.70	65.20	2.53		952.
76 12 25 1300	1.7	.077	.039	1.460	.128		.980			65.30	2.39		991.
76 12 26 1300	1.6	.087	.036	1.360	.115		.970		1.70	64.90	2.50		965.
76 12 27 1300	1.6	.082	.035	1.480	.152		.820		1.80	63.40	2.59		951.
76 12 27 1900	1.6	.102	.071	1.600	.230		1.160		5.00	63.40	2.76		971.
76 12 28 1900	1.6	.092	.060	1.620	.200		.950		5.80	65.90	2.50		937.
76 12 29 1900	1.6	.081	.060	1.710	.230		1.080		4.60	64.30	2.87		937.
76 12 30 1900	1.6	.099	.073	1.850	.312		1.080		7.60	66.40	2.93		953.
77 1 1 1900	1.5	.086	.060	1.820	.320		2.090		7.60	61.90	2.61		936.
77 1 2 1900	1.6	.077	.049	1.770	.241		.938		7.10	59.10	3.26		919.
77 1 3 1900	1.5	.051	.030	1.790	.160		.925		5.00	59.40	2.36		899.
77 1 3 1900	1.5	.101	.074	1.740	.260				5.50	62.40			888.
77 1 4 1900	1.5	.056	.039	1.760	.241				4.60	59.90			867.
77 1 5 1900	1.5	.062	.049	1.820	.269				6.10	59.90			868.
77 1 6 1900	1.4	.061	.047	1.890	.286				1.50	53.10			855.
77 1 7 1900	1.4	.094	.089	1.890	.410				1.70	53.30			843.
77 1 8 1900	1.4	.078	.069	1.900	.459				3.10	52.10			844.
77 1 9 1900	1.4	.072	.058	1.930	.431				3.30	50.70			841.
77 1 10 1300	1.4	.065	.045	1.950	.461				2.50	53.50			855.
77 1 12 1300	1.3	.085	.049	1.900	.492					50.50			853.
77 1 13 1300	1.3	.074	.037	1.940	.446					51.00			866.
77 1 14 1300	1.3	.077	.040	1.950	.561				.80	53.10			854.
77 1 14 1300	1.3	.065	.033	1.910	.477					53.00			863.
77 1 14 1300	1.3	.069	.034	1.970	.510				3.60	55.00			876.
77 1 17 1300	1.2	.208	.157	2.070	.952				.60	57.50			895.
77 1 18 700	1.2	.095	.065	2.060	.594					50.10			870.
77 1 18 1300	1.2	.095	.074	2.090	.620				5.60	54.30			884.
77 1 19 1300	1.2	.066		2.010	.571				3.90	54.80			862.
77 1 20 1300	1.2	.069	.059	2.040	.636				6.20	55.90			878.
77 1 21 1300	1.2	.068	.049	2.080	.663				7.20	57.20			882.
77 1 22 1300	1.2	.070	.055	2.060	.704				9.20	59.30			880.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING TIME DATE 24 HRS YR MO DY 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 RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 1 23 1300	1.1	.093	.075	1.980	.817				5.90	57.80			891.
77 1 24 1300	1.1	.072	.060	1.940	.757				8.10	56.10			884.
77 1 24 1900	1.1	.119	.099	1.810	.895				4.80	56.20	5.72		883.
77 1 25 1900	1.1	.076	.067	1.820	.657				3.00	54.70	5.84		868.
77 1 26 1900	1.1	.091	.070	1.790	.827				4.20	54.10	5.91		866.
77 1 27 1900	1.1	.149	.124	1.850	1.010				2.40	54.50	6.12		890.
77 1 28 1900	1.1	.100	.079	1.870	.942					51.80	6.09		866.
77 1 29 1900	1.1	.102	.077	1.890	.977				2.30	52.50	6.20		879.
77 1 30 1900	1.1	.097	.071	2.020	.996				4.20	51.80	6.39		872.
77 1 31 1300	1.0	.112	.081	2.070	.998					51.40	6.52		877.
77 2 7 1900	1.0	.197	.118	2.290	.739				11.80	47.70	8.70		842.
77 2 8 1900	1.0	.136	.101	2.390	.765				5.20	48.90	8.89		832.
77 2 9 1900	1.0	.149	.135	2.430	.727				3.90	49.40	8.49		822.
77 2 10 1900	1.0	.409	.318	2.080	1.390				1.80	109.00	7.74		1039.
77 2 10 2200	1.0	.273		2.080	1.620				6.20	110.00	7.76		1038.
77 2 11 1900	1.1	.192		2.060	1.250				5.60	90.40	7.70		927.
77 2 11 400	1.1	.155		2.090	.931				4.50	77.60	7.50		870.
77 2 11 700	1.1	.142		2.110	.885				4.10	67.60	8.07		834.
77 2 11 1000	1.1	.159	.122	2.120	.783				5.30	79.00	8.32		879.
77 2 11 1300	1.1	.278	.128	2.080	.775				11.80	114.00	7.89		1045.
77 2 11 1600	1.1	.297	.217	2.000	1.230				16.90	128.00	7.52		1106.
77 2 11 1900	1.1	.317		2.220	1.220				8.20	122.00	7.73		1060.
77 2 11 2200	1.3	.284		2.380	1.290				11.10	110.00	7.08		999.
77 2 12 1900	1.3	.250	.234	2.460	1.370				6.50	100.00	7.05		948.
77 2 12 400	1.3	.241	.199	2.510	1.260				5.40	93.10	8.19		915.
77 2 12 700	1.3	.261	.207	2.520	1.170				5.30	93.00	7.17		926.
77 2 12 1000	1.3	.302	.223	2.560	1.400				6.50	95.00	7.05		936.
77 2 12 1300	1.3	.306	.237	2.550	1.280				15.70	119.00	7.50		1058.
77 2 12 1600	1.3	.362	.267	2.610	1.270				10.30	107.00	7.27		957.
77 2 12 1900	1.3	.679	.256	2.670	1.140				15.80	105.00	6.47		920.
77 2 12 2200	1.3	.486	.473	3.470	1.520				19.60	133.00	5.93		1012.
77 2 13 100	1.8	.350	.345	3.170	1.040				13.90	109.00	5.99		858.
77 2 13 400	1.8	.372	.247	2.780	.768				11.80	86.30	6.43		772.
77 2 13 700	1.8	.408	.233	2.570	.592				13.80	76.80	6.11		689.
77 2 13 1000	1.8	.398	.246	2.550	.443				18.20	68.70	7.03		624.
77 2 13 1300	1.8	.259	.259	2.590	.488				15.50	68.40	6.75		614.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MCNEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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
YR	MO	DAY	HRS.											
77	2	13	1600	1.8	.401	.287	3.090	.699		11.60	68.00	5.72		
77	2	14	400	2.4	.396	.258	3.200	.992		17.80	53.80	5.63		
77	2	15	100	3.7	.413	.289	3.370	.801		13.50	47.70	5.48		
77	2	16	105	5.0	.318	.227	3.380	.633		7.80	48.60	5.89		
77	2	17	100	8.4	.227	.151	2.600	1.250		5.20	72.10	7.67		
77	2	18	100	12.0	.247	.137	2.680	1.420		7.40	70.60	7.39		
77	2	19	100	19.0	.310	.167	2.530	1.520		6.60	94.80	7.79		
77	2	20	1903	22.0	.324	.190	3.090	1.520		9.90	85.90	6.91		
77	2	21	1900	17.0	.268	.161	3.550	.973	2.570	8.70	68.10	6.64		655.
77	2	22	100	21.0	.254	.164	3.520	.992	2.830	5.20	68.00	6.79		661.
77	2	22	700	21.0	.241	.156	3.410	.962	2.690	5.60	67.40	6.85		670.
77	2	22	1300	21.0	.264	.171	3.270	1.020	2.580	7.60	71.40	6.79		679.
77	2	22	1900	21.0	.445	.284	2.890	1.020	3.710	31.70	58.90	4.82		519.
77	2	23	100	113.2	.393	.220	2.660	.787	3.120	41.00	52.10	4.88		485.
77	2	23	70	123.5	.407	.220	2.410	.858	4.290	36.70	48.40	4.57		428.
77	2	23	1100	166.6	.451	.231	2.430	.808	3.720	51.00	47.20	4.48		416.
77	2	23	1400	255.2	.580	.227	2.430	.788	3.400	13.40	44.10	4.25		394.
77	2	23	1700	331.8	1.530	1.530	2.260	.571	3.670	226.00	39.00	3.77		353.
77	2	23	2000	473.4	.818	.196	2.170	.746	4.350	305.00	38.40	3.66		332.
77	2	23	2300	473.4	.651	.190	2.370	.500	3.300	214.00	37.70	3.56		307.
77	2	24	200	564.3	.560	.169	2.540	.441	3.000	165.00	34.50	3.40		296.
77	2	24	500	651.1	.571	.141	2.780	.418	2.980	191.00	34.50	3.55		292.
77	2	24	800	603.6	.478	.157	2.930	.436	2.770	123.00	34.20	3.62		289.
77	2	24	1100	788.1	.507	.156	3.110	.442	2.850	149.00	34.10	3.58		283.
77	2	24	1400	1043.0	.933	.127	3.430	.335	3.790	499.00	34.60	3.62		294.
77	2	24	1700	816.2	.482	.157	3.590	.412	2.400	142.00	34.50	3.72		219.
77	2	24	2000	735.2	.414	.156	3.760	.397	2.550	121.00	33.90	3.73		274.
77	2	24	2300	454.7	.402	.161	3.990	.412	2.270	97.40	34.20	3.79		283.
77	2	25	200	466.4	.400	.159	4.170	.396	2.330	94.00	34.50	3.88		270.
77	2	25	500	982.2	.367	.143	4.290	.391	2.140	74.70	34.90	3.95		273.
77	2	25	800	955.3	.352	.143	4.410	.532	2.020	67.80	35.40	4.27		274.
77	2	25	1100	998.4	.367	.133	4.460	.352	2.520	80.90	36.10	4.16		276.
77	2	25	1600	1129.4	.359	.122	4.320	.315	3.450	105.00	35.50	4.16		273.
77	2	25	1900	1190.4	.346	.121	4.630	.322	3.460	97.30	36.70	4.28		277.
77	2	25	2200	1244.7	.321	.112	4.830	.329	2.670	90.60	36.30	4.36		281.
77	2	26	100	1200.6	.287	.108	5.080	.313	.749	65.90	36.80	4.41		286.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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 KJEL MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLD RIDE MG/L	SI02 MG/L	IRCN MG/L	COND 25C. UMHO
77 2 26 400	1181.0	.271	.104	5.280	.310		1.710		57.40	36.90	4.52		293.
77 2 26 700	1134.6	.256	.101	5.460	.311		.660		53.70	37.00	4.93		297.
77 2 26 1000	1016.2	.252	.099	5.760	.245		1.100		40.60	37.60	4.83		304.
77 2 26 1300	955.3	.232	.092	5.910	.263		2.810		46.30	38.00	5.02		309.
77 2 26 1600	955.3	.229	.095	6.020	.234		.616		40.90	37.90	5.13		317.
77 2 26 1900	886.2	.222	.103	6.330	.254		.772		37.60	39.70	5.28		321.
77 2 26 2200	943.0	.227	.106	6.360	.240		.995		32.40	39.00	5.43		335.
77 2 27 100	831.4	.229	.112	6.470	.275		2.490		29.30	40.50	5.34		349.
77 2 27 400	870.3	.261	.118	6.410	.284		7.560		39.50	40.60	5.47		349.
77 2 27 700	839.1	.236	.117	6.500	.258		.627		41.40	40.60	5.46		357.
77 2 27 1000	808.5	.224	.109	6.810	.254		2.350		33.20	41.20	5.57		367.
77 2 27 1300	786.0	.227	.113	7.150	.260		1.940		36.30	41.70	5.71		376.
77 2 27 1600	760.0	.221	.111	7.400	.279		.805		30.50	42.30	5.79		387.
77 2 27 1900	733.9	.219	.111	7.630	.254		.980		26.30	43.20	5.81		393.
77 2 27 2200	697.2	.206	.110	7.680	.267		1.770		24.60	43.70	5.92		400.
77 2 28 100	644.2	.209	.109	7.990	.260		2.090		22.40	44.60	6.11		407.
77 2 28 400	600.2	.210	.105	8.070	.408		1.530		23.80	45.20	6.14		418.
77 2 28 700	564.3	.212	.108	8.100	.319		1.610		26.80	45.60	6.20		425.
77 2 28 1300	502.1	.221	.087	8.720	.263				27.70	45.30			424.
77 3 1 100	411.9	.203	.095	8.990	.253				23.30	46.20			444.
77 3 1 1300	253.0	.185	.079	8.560	.278				26.50	45.30			451.
77 3 2 100	242.3	.170	.069	8.700	.251				22.00	45.10			473.
77 3 2 1300	178.5	.164	.061	7.950	.226				19.60	43.30			477.
77 3 2 1900	198.4	.137	.060	7.930	.275		1.460		18.40	44.00	6.84	1.20	496.
77 3 3 1900	125.0	.126	.048	7.390	.258		1.170		16.50	42.90	6.94	1.10	509.
77 3 4 1900	270.5	.218	.092	6.420	.349		1.590		41.20	45.50	6.47	2.50	471.
77 3 5 1900	414.5	.228	.088	8.650	.383		2.120		38.80	48.10	6.56	3.00	454.
77 3 6 1900	228.3	.176	.070	9.900	.302		1.810		24.00	49.60	6.90	2.00	486.
77 3 7 1900	168.2	.112	.047	8.690	.241				13.30	48.00	7.80		533.
77 3 8 1900	123.5	.094	.038	7.710	.160				13.10	45.90	7.87		558.
77 3 9 1900	123.5	.086	.031	8.800	.137				12.40	45.10	8.62		585.
77 3 10 1900	98.1	.084	.031	6.190	.144				11.60	45.10	8.25		583.
77 3 11 1900	84.1	.087	.027	5.540	.119				13.30	44.20	7.16		584.
77 3 12 1900	77.2	.099	.034	5.360	.155				13.90	47.70	7.01		589.
77 3 13 1900	160.3	.154	.044	6.380	.162				27.60	52.50	7.20		578.
77 3 14 1300	213.8	.161	.045	6.590	.133				25.60	53.80	8.01		577.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MONEY CREEK

LOCATION W/CODE : AT MILLMORE, OHIO

USGS NC. 04197100

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	URG. NIT. MG/L	TOTAL KJEL MG/L	COB MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 3 14 1900	144.6		.055	7.410	.178				46.90	55.10	9.05	1.40	
77 3 15 1900	130.8	.109	.044	7.290	.084				25.10	53.60	8.87	1.10	575.
77 3 16 1900	91.7	.084	.033	6.390	.100				12.80	50.60	8.08	.80	603.
77 3 17 1900	70.6	.065	.033	5.560	.119				31.30	49.70	8.18	.90	620.
77 3 18 1900	68.6	.092	.049	5.270	.129				27.10	52.50	6.81	6.40	622.
77 3 18 700	240.2	.331	.119	4.440	.174				150.00	38.90	6.59	7.50	453.
77 3 18 1300	593.6	.376	.114	4.880	.119				169.00	40.30	6.23	7.40	420.
77 3 18 1600	708.1	.336	.095	5.980	.124				149.00	37.20	7.12	7.40	373.
77 3 18 1900	778.6	.337	.096	6.600	.137				131.00	36.90	6.73	7.40	360.
77 3 18 2200	827.6	.341	.104	7.050	.200				92.40	35.90	6.35	6.50	348.
77 3 19 100	843.0	.313	.105	7.270	.203				78.50	35.50	6.28	5.70	348.
77 3 19 400	843.0	.288	.103	7.270	.211				82.10	35.90	5.99	5.40	356.
77 3 19 700	843.0	.278	.104	7.340	.217				60.30	36.10	6.41	5.70	351.
77 3 19 1000	843.0	.295	.106	7.510	.349				109.00	36.80	6.21		350.
77 3 19 1300	850.8	.345	.144	7.310	.268				50.90	36.00	7.05	5.40	342.
77 3 19 1600	862.5	.338	.138	7.620	.272				56.30	37.50	7.98	6.00	351.
77 3 19 1900	878.2	.340	.144	7.760	.276				59.50	37.60	8.01	6.20	344.
77 3 19 2200	890.2	.336	.138	8.020	.290				53.70	38.20	7.73	6.00	357.
77 3 20 100	890.2	.310	.137	8.130	.360				46.40	38.30	7.55	5.30	366.
77 3 20 400	878.2	.309	.119	8.140	.306				51.10	38.30	6.82	5.00	364.
77 3 20 700	854.7	.270	.125	8.400	.263				35.00	38.60	7.04	4.30	376.
77 3 20 1000	924.7	.271	.121	8.510	.256				31.20	38.80	8.67	4.00	386.
77 3 20 1300	752.5	.254	.104	8.600	.249				23.60	39.30	7.44	3.60	385.
77 3 20 1600	697.8	.235	.105	8.700	.255				22.10	39.40	8.70	3.40	395.
77 3 20 1900	651.1	.218	.103	8.690	.255				29.30	39.40	7.27	3.00	404.
77 3 20 2200	603.4	.205	.103	8.870	.217				27.90	40.10	7.58	2.80	418.
77 3 21 100	544.6	.196	.093	8.710	.200				23.50	39.90	8.87	2.60	428.
77 3 21 1700	419.7	.164	.078	8.550	.190				25.30	41.10	7.53	2.00	456.
77 3 22 100	336.3	.153	.067	8.470	.133				22.10	41.70	9.13	2.00	468.
77 3 22 1300	517.2	.225	.080	7.230	.172				38.80	39.10	6.97	4.30	418.
77 3 22 2200	715.4	.335	.082	7.450	.167				47.90	36.00	8.67	8.10	378.
77 3 23 1400	767.4	.317	.063	7.940	.140				69.50	31.70	7.07	7.80	384.
77 3 24 400	912.3	.247	.050	8.710	.087				49.50	33.60	7.61	5.70	392.
77 3 24 1600	644.2	.208	.043	8.700	.127				36.10	34.50	6.79	4.40	423.
77 3 25 400	446.2	.170	.041	8.450	.090				32.60	34.90	7.76	3.30	450.
77 3 25 1600	307.1	.144	.033	8.310	.101				27.30	35.20	7.90	2.80	471.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION & CODE : AT MILLMORE, OHIO

USGS NO. 04197100

CAMP. DATE	TIME	FLOW	TOTAL	ORTHOPHOS.	NO-2	NO-3	ORG. NIT.	TOTAL	COD	SUSPEND	CHLORIDE	SIO2	IRON	COND.
YR MO DY	HRS.	CFS	PHOS. 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 26	400	297.8	.146	.034	7.640	.089			33.20	35.00	7.28	2.80	495.
77	4 26	1300	171.5	.120	.046	7.370	.089			23.20	35.70	7.71	1.90	509.
77	4 27	100	158.4	.107	.045	7.290	.130			17.60	36.20	6.82	1.60	526.
77	4 27	1300	139.6	.099	.040	7.010	.166			19.10	36.10	6.25	1.50	537.
77	4 28	100	127.9	.127	.046	6.770	.317			22.20	37.00	6.06	1.80	538.
77	4 28	1300	325.0	.226	.050	7.130	.350			52.40	36.50	6.33	4.80	472.
77	4 28	1700	379.2	.276	.074	6.370	.073			90.30	26.70	6.94	6.20	434.
77	4 29	500	499.1	.264	.097	6.960	.044			88.40	29.10	7.25	5.40	440.
77	4 29	1700	517.2	.260	.088	7.430	.050			68.50	30.90	7.55	5.20	443.
77	4 30	500	484.5	.208	.065	7.190	.061			69.60	32.20	8.96	4.10	457.
77	4 30	1700	406.8	.193	.062	7.940	.047			58.60	31.90	8.87	3.90	466.
77	4 31	500	281.2	.193	.060	7.410	.052			53.70	32.00	7.74	3.70	488.
77	4 31	1700	196.5	.130	.039	6.730	.052			34.60	32.70	7.13	2.00	511.
77	4 1	200	161.7	.122	.040	6.240	.061			27.50	32.40	7.93	1.90	528.
77	4 3	1600	898.2	.614	.118	5.540	.071			82.40	19.30	7.66	15.00	341.
77	4 3	1900	886.2	.565	.130	5.720	.152			68.50	19.20	9.64	19.00	337.
77	4 3	2200	986.0	.553	.112	6.030	.115			63.00	19.80	7.99	14.00	338.
77	4 4	100	886.2	.512	.117	8.250	.161			58.00	19.50	9.18	13.50	341.
77	4 4	400	894.2	.479	.102	6.430	.152			51.60	19.90	7.99	12.70	345.
77	4 4	700	894.2	.454	.092	6.460	.137			49.60	20.00	8.34	12.30	350.
77	4 4	1000	894.2	.443	.077	6.660	.086			57.10	20.50	8.25	11.70	357.
77	4 4	1300	862.5	.406	.077	6.660	.100			41.70	20.30	8.56	10.80	360.
77	4 4	1600	923.8	.360	.065	6.660	.057			39.40	20.40	9.02	9.70	365.
77	4 5	400	610.2	.288	.071	6.570	.120			34.90	21.80	8.50	6.80	396.
77	4 5	1600	462.7	.241	.045	6.100	.123			25.90	22.20	8.14	5.50	422.
77	4 6	400	364.7	.199	.042	6.050	.030			19.40	23.60	8.10	4.20	443.
77	4 6	1300	320.4	.190	.030	5.930	.010			16.50	24.60	8.43	4.00	461.
77	4 11	1900	89.1	.130	.057	4.230	.153			15.60	29.90	4.36	1.20	578.
77	4 12	1900	72.7	.081	.058	3.930	.182			11.90	30.50	3.82	.70	589.
77	4 12	1900	63.6	.071	.051	3.680	.072			11.20	30.40	3.58	.40	598.
77	4 14	1900	57.2	.050	.047	3.460	.129			12.00	30.50	3.48	.30	595.
77	4 15	1900	51.2	.054	.043	3.210	2.000			13.70	30.50	2.53	.30	601.
77	4 16	1900	46.6	.043	.037	3.020	.333			7.40	30.40	2.83	.10	606.
77	4 17	1900	43.3	.037	.034	3.030	.317			7.20	29.90	2.85	.10	614.
77	4 18	1900	42.5	.047	.034	3.110	.066			6.40	29.90	3.24	.10	626.
77	4 18	1900	41.0	.027	.019	2.900	.200			9.40	32.10		.40	609.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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	19	1900	38.6	.024	.012	2.030	.106		8.40	30.50		.20	608.
77	4	20	1900	37.8	.039	.020	2.310	.108		7.60	31.90		.40	607.
77	4	21	1900	38.6	.034	.018	1.670	.145		7.00	32.30		.30	614.
77	4	22	1900	74.9	.097	.032	3.220	.142		25.60	28.70		1.10	560.
77	4	23	1900	213.8	.224	.111	4.100	.330		68.50	32.40		2.30	495.
77	4	24	1900	336.3	.211	.077	7.000	.455		53.80	33.00		2.70	481.
77	4	25	1315	268.3	.175	.069	7.670	.314		26.90	33.00		1.90	499.
77	4	25	1900	246.5	.178	.073	6.520	.094		25.20	32.80	7.85	2.30	500.
77	4	26	1900	257.4	.144	.070	5.830	.524		15.30	31.90	6.54	1.70	507.
77	4	27	1900	211.8	.123	.056	5.930	1.770		17.00	32.80	5.99	1.50	519.
77	4	28	1900	153.6	.092	.052	5.650	.096		15.70	32.30	6.35	1.80	549.
77	4	29	1900	152.0	.096	.054	4.800	.067		14.00	31.90	5.25	1.00	545.
77	4	30	1900	129.4	.091	.051	4.580	.116		16.10	31.50	4.87	1.10	541.
77	5	1	1900	96.7	.072	.043	4.190	.096		13.80	31.60	4.92	.70	547.
77	5	2	1300	91.7	.068	.034	3.960	.111		18.60	31.30	3.37	.60	575.
77	5	2	1900	96.7	.096	.024	3.370	.157		5.30	30.00	2.07	.40	568.
77	5	3	1900	114.7	.078	.039	2.820	.120		7.00	29.90	2.88	.40	562.
77	5	4	1300	302.7	.251	.091	3.500	.099		55.60	25.40	3.72	3.80	485.
77	5	4	1600	432.8	.363	.126	4.170	.121		82.70	24.80	4.60	5.70	451.
77	5	4	1900	583.6	.382	.096	5.110	.139		142.00	23.60	5.19	7.80	435.
77	5	4	2200	627.1	.399	.101	7.480	.105		109.00	24.40	6.00	8.10	524.
77	5	5	100	627.1	.365	.108	8.160	.100		74.60	23.50	6.21	7.30	484.
77	5	5	400	620.2	.345	.105	8.580	.078		57.60	23.60	6.70	6.90	485.
77	5	5	700	603.5	.312	.093	8.480	.113		53.30	24.90	6.78	5.80	488.
77	5	5	1000	603.5	.311	.088	8.850	.170		56.10	25.60	6.80	5.60	426.
77	5	5	1300	627.1	.337	.099	9.130	.150	7.010	56.90	25.30	5.60		422.
77	5	5	1600	644.2	.343	.106	9.560	.157	7.280	55.20	25.50	6.60		421.
77	5	5	1900	644.2	.325	.097	10.300	.120		58.40	26.00	7.56	6.10	428.
77	5	5	2200	644.2	.311	.091	10.600	.115		58.70	26.40	7.93	5.80	439.
77	5	6	100	639.1	.294	.086	10.400	.083		47.70	26.20	7.94	5.30	443.
77	5	6	400	623.7	.274	.084	10.600	.277		41.50	26.90	8.17	4.80	447.
77	5	6	700	603.5	.262	.080	10.600	.139		43.40	27.20	8.29	4.40	452.
77	5	6	1000	567.5	.253	.081	10.500	.140		39.50	27.80	8.43	3.90	463.
77	5	6	1300	526.4	.225	.091	10.400	.131		68.80	28.30	8.48	3.20	445.
77	5	7	100	255.0	.169	.081	9.060	.194		.30	29.00	8.27	1.90	426.
77	5	7	1300	255.0	.144	.081	7.880	.087		34.60	29.10	7.99	1.40	480.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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	5	8	100	122.0	.122	.065	6.960	.095		776.00	29.20	7.22	.90	508.
77	5	9	1300	122.0	.108	.063	6.320	.068		20.90	29.50	7.02	.70	523.
77	5	9	100	71.0	.105	.057	5.790	.047		18.60	29.90	6.00	.80	549.
77	5	9	1300	71.0	.088	.045	5.160	.053		10.70	29.70	5.57	.60	559.
77	5	9	1900	71.0	.090	.041	4.240	.020		11.50	29.50	4.98	.30	586.
77	5	11	1900	51.0	.069	.039	3.980	.062		10.70	29.30	5.32	.30	610.
77	5	11	1900	39.0	.054	.037	3.710	.056		12.70	29.30	4.11	.20	615.
77	5	12	1900	31.0	.036		3.650	.051		5.20	30.10	3.49	.10	615.
77	5	13	1900	27.0	.034		3.500	.048		4.20	29.60	4.13		610.
77	5	14	1900	24.0	.040	.024	3.310	.041		6.80	29.50	3.55	.10	620.
77	5	15	1900	21.0	.057	.039	3.400	.010		11.00	29.80	3.81	.10	632.
77	5	16	1300	18.0	.072	.054	3.260	.028		8.50	29.60	3.97	.20	648.
77	5	16	1900	18.0	.067	.022	2.720	.054		7.00	37.90	1.75	.23	633.
77	5	17	1900	16.0	.069	.021	2.310	.107		7.60	37.40	1.65	.30	626.
77	5	18	1900	16.0	.067	.019	2.370	.060		8.80	34.10	1.93	.30	630.
77	5	19	1900	13.0	.073	.020	2.320	.148		8.00	36.70	1.98	.40	638.
77	5	20	1900	11.0	.075	.025	2.250	.089		8.30	35.70	1.98	.30	654.
77	5	21	1900	10.0	.082	.029	2.060	.076		8.60	34.10	2.33	.30	657.
77	5	22	1900	9.6	.123	.042	2.090	.140		10.50	37.60	2.80	.40	666.
77	5	23	1300	9.6	.111	.034	2.150	.120		6.00	39.60	2.72	.40	664.
77	5	23	1900	9.6	.115	.068	1.190	.116	1.290	6.70	35.90	3.23	.20	650.
77	5	24	1900	9.5	.105	.070	1.580	.059		7.10	32.70	3.62	.60	655.
77	5	25	1900	9.1	.115	.076	1.260	.087		10.30	35.80	3.41	.50	660.
77	5	26	1900	9.0	.119	.081	1.230	.092		8.00	35.50	3.52	.70	668.
77	5	27	1900	8.1	.110	.086	1.200	.110		6.10	35.50	3.65	.60	669.
77	5	28	1900	7.6	.112	.088	1.190	.090		4.00	35.30	3.47	.60	656.
77	5	29	1900	6.6	.110	.085	1.210	.078		.30	36.20	3.90	.60	659.
77	5	30	1300	6.0	.101	.077	1.290	.174	.370	3.10	34.10	3.45	.70	668.
77	5	31	1900	5.8	.129	.064	1.130	.176	.780	10.30	32.90	3.79	.50	646.
77	6	1	1900	5.8	.095	.068	1.250	.123		3.60	30.10	4.29	.40	648.
77	6	2	1900	5.6	.090	.066	1.380	.116		2.80	28.70	4.13	.40	650.
77	6	3	1900	8.3	.094	.057	1.650	.102		7.00	28.80	4.45	.60	668.
77	6	4	1900	7.9	.111	.015	1.050	.118		10.80	31.90	3.88	.60	680.
77	6	5	1900	7.1	.128	.048	1.250	.135	.576	4.20	32.00	4.35	.60	693.
77	6	6	1900	7.0	.113	.084	1.300	.082	.476	8.20	36.40	4.74	.40	694.
77	6	7	1900	6.4	.086		1.340	.134		14.40	36.50	4.30	.40	697.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONLEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197160

SAMPLING DATE YR MO DY	TIME 24 ^{HR} 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
77	6	8	1900	6.0	.218	.121	1.510	.138		20.80	38.90	4.01	.70	702.
77	6	9	1900	7.0	.131	.080	1.310	.136		20.70	37.10	4.84	.70	680.
77	6	10	1900	7.4	.120	.063	1.250	.114		19.70	36.20	4.63	.60	672.
77	6	11	1900	14.0	.159	.084	1.510	.121		25.00	39.60	4.01	.80	698.
77	6	12	1900	11.0	.134	.068	2.240	.106		17.10	38.60	5.58	.70	719.
77	6	13	1300	8.2	.130	.069	2.460	.059	.909	13.10	38.50	6.44	.50	720.
77	6	13	1900	8.2	.158	.107	2.870	.016	.820	11.30	37.90	5.42	.70	648.
77	6	14	1900	7.1	.115	.096	2.210	.044		9.10	37.60	5.19	.60	674.
77	6	15	1900	6.3	.104	.092	2.270	.110		10.10	41.70	4.48	.50	667.
77	6	16	1900	6.0	.100	.081	3.470	.052		12.50	35.60	5.29	.50	646.
77	6	17	1900	5.5	.113	.079	3.990	.079		9.70	35.30	5.28	.60	639.
77	6	18	1900	5.1	.102	.066	4.450	.062		11.00	32.30	6.13	.60	632.
77	6	19	1900	4.7	.089	.059	3.880	.044		12.10	31.70	6.23	.60	627.
77	6	20	1300	4.1	.121	.074	3.490	.101	.800	12.40	33.20	6.11	.50	636.
77	6	20	1900	4.1	.113	.070	2.970	.025		15.10	32.70	6.27	.40	622.
77	6	21	1900	3.8	.095	.064	2.570	.051		9.40	32.00	6.39	.20	626.
77	6	22	1900	3.4	.083	.056	2.300	.053		6.40	31.10	6.37	.20	622.
77	6	23	1900	3.7	.074	.070	1.760	.078		7.50	34.60	5.22	.10	615.
77	6	24	1900	3.8	.104	.094	1.530	.128		4.60	37.90	5.24	.20	628.
77	6	25	1900	3.0	.106	.072	1.510	.136		7.90	33.10	5.21	.20	609.
77	6	26	1900	3.8	.117	.088	1.370	.100		8.40	36.50	5.07	.30	608.
77	6	27	1300	3.5	.186	.122	1.400	.403		7.20	39.10	5.30	.30	655.
77	6	27	1900	3.5	.119	.073	1.630	.252		5.10	29.20	8.20	.80	600.
77	6	28	1900	3.0	.130	.095	1.670	.192		7.20	30.60	6.58	.30	613.
77	6	29	1900	3.4	.095	.054	1.330	.073		7.10	24.00	8.03	.30	582.
77	6	30	1900	4.1	.092	.085	2.400	.250		6.20	41.00	6.79	.20	595.
77	7	1	1000	31.1	.612	.156	3.800	.544		301.00	31.70	7.12	13.80	542.
77	7	1	1900	59.2	.295	.074	5.150	.119			24.90	7.87	6.40	508.
77	7	1	1900	111.8	.421	.161	6.500	.132			30.30	5.93	5.70	512.
77	7	1	1300	136.7	.875	.164	8.900	.139	1.700	174.00	34.70	6.01	25.30	518.
77	7	1	1400	161.7	.983	.075	11.600	.130	2.650	574.00	28.70	6.14	44.80	446.
77	7	1	1900	161.7	.945	.075	15.000	.118	3.540	1004.00	27.70	6.65	36.80	445.
77	7	1	2200	161.7	.648	.086	19.000	.102	3.960	812.00	33.50	7.44	21.50	521.
77	7	2	1000	163.3	.515	.079	19.700	.236	3.110	478.00	34.00	7.61	20.50	524.
77	7	2	1400	198.4	.581	.101	17.700	.152	3.220	431.00	33.60	7.77	16.50	549.
77	7	2	1700	231.0	.637	.102	16.600	.156	2.900	351.00	31.90	7.73	18.20	517.
									2.750	375.00				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : HONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

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
YR MO DY	HRS.													
77	7	2	1000	255.2	.723	.093	14.700	.138	2.750	494.00	29.80	7.43	24.40	430.
77	7	2	1300	270.5	.702	.085	15.000	.141	2.560	480.00	29.90	6.60	23.60	420.
77	7	2	1600	279.0	.614	.089	16.600	.125	2.990	393.00	29.30	7.37	19.20	431.
77	7	2	1900	281.2	.528	.096	17.800	.111	2.950	293.00	29.40	7.86	15.20	426.
77	7	2	2200	274.8	.464	.092	17.400	.073	1.880	242.00	30.10	8.24	12.40	461.
77	7	3	100	261.7	.411	.087	17.900	.091	2.620	165.00	29.70	8.11	10.30	474.
77	7	3	400	242.3	.379	.086	18.800	.049	2.380	145.00	29.80	8.55	9.00	485.
77	7	3	700	219.7	.354	.086	18.700	.071	2.190	131.00	30.10	9.07	7.90	498.
77	7	3	1000	198.4	.331	.090	18.500	.080	1.540	125.00	30.70	9.46	7.20	506.
77	7	3	1300	175.0	.320	.090	18.700	.074	2.110	145.00	30.80	9.25	6.70	506.
77	7	3	1600	156.7	.315	.091	18.400	.085	1.620	114.00	31.20	9.41	6.40	515.
77	7	3	1900	141.2	.302	.081	18.500	.052	2.340	1.70	31.90	9.64	6.00	521.
77	7	3	2200	129.0	.300	.084	18.400	.059	1.700	113.00	32.30	9.87	6.00	526.
77	7	4	100	113.2	.283	.092	16.800	.134	2.330	92.70	32.30	8.15	5.60	532.
77	7	4	400	100.8	.266	.091	16.700	.110	2.270	84.30	32.10	8.54	4.90	535.
77	7	4	700	92.9	.266	.082	17.200	.171	1.610	83.40	32.70	9.34	4.80	535.
77	7	4	1300	77.2	.254	.087	17.200	.031	1.850	81.00	31.20	12.80	4.60	535.
77	7	4	1600	71.6	.225	.084	16.300	.058	1.780	92.30	31.30	11.00	4.10	553.
77	7	4	1900	65.6	.324	.084	15.900	.038	2.430	78.60	31.90	11.30	3.90	561.
77	7	4	2200	62.6	1.430	.055	9.870	.080	5.520	1626.00	22.40	8.27	62.20	408.
77	7	5	1300	623.7	1.330	.052	7.410	.157	4.770	1380.00	11.30	6.20	56.90	405.
77	7	5	1600	644.2	1.060	.057	7.620	.135	3.920	980.00	10.90	5.77	43.90	209.
77	7	5	1900	647.7	.833	.069	8.360	.109	5.030	637.00	13.70	6.04	32.60	248.
77	7	5	2200	651.1	.759	.068	8.840	.122	3.400	549.00	15.40	6.19	28.70	270.
77	7	6	100	637.4	.765	.066	8.350	.133	3.060	535.00	13.60	6.05	29.30	251.
77	7	6	400	637.4	.730	.062	8.060	.129	4.680	531.00	13.00	8.02	28.00	243.
77	7	6	700	637.4	.678	.061	7.940	.098	2.830	532.00	13.30	7.00	25.90	244.
77	7	6	1000	644.2	.620	.064	8.010	.105	2.750	388.00	13.90	8.30	23.00	252.
77	7	6	1300	637.4	.572	.063	8.320	.086	2.940	434.00	14.50	7.71	20.50	262.
77	7	6	1600	630.5	.541	.064	8.700	.088	2.750	267.00	15.20	8.20	18.90	281.
77	7	6	1900	606.8	.502	.066	7.060	.076	2.890	192.00	15.70	8.77	17.20	285.
77	7	6	2200	573.9	.462	.068	9.360	.095	3.060	228.00	16.50	9.42	15.30	299.
77	7	7	100	532.7	.421	.072	9.570	.074	2.450	162.00	16.90	9.80	13.50	312.
77	7	7	400	476.2	.393	.070	9.370	.074	2.620	197.00	17.00	7.92	12.10	320.
77	7	7	700	417.1	.379	.073	9.730	.077	2.680	114.00	117.00	8.97	11.30	334.
77	7	7	1000	362.2	.363	.073	9.630	.057	2.560	153.00	17.90	11.60	10.50	340.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : MONEY CREEK

LOCATION W/CODE : AT MELMORE, OHIO

USGS NO. 04197100

SAMPLING TIME DATE YR MO DY 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 7 7 1300	311.4	.407	.058	9.930	.010		2.250		87.00	19.40	8.26	10.10	352.
77 7 7 1600	272.6	.371	.086	7.500	.041				128.00	19.80	9.60	9.00	361.
77 7 7 1900	249.7	.516	.087	8.910	.010				224.00	19.80	8.88	13.60	356.
77 7 7 2200	309.2	.735	.074	8.510	.069				418.00	18.70	8.45	25.10	339.
77 7 8 100	270.5	.663	.088	8.050	.058				400.00	19.30	8.61	20.70	341.
77 7 8 400	272.6	.545	.102	8.400	.072				224.00	20.40	9.01	15.60	369.
77 7 8 700	309.2	.510	.079	7.970	.048				274.00	20.60	9.68	15.90	396.
77 7 8 1000	318.1	.734	.085	8.050	.081				341.00	19.00	9.34	26.60	359.
77 7 8 1300	315.0	.693	.084	7.860	.114				243.00	18.70	8.60	23.90	347.
77 7 8 1600	300.5	.552	.083	7.510	.064				345.00	19.30	9.60	17.80	350.
77 7 8 1900	300.5	.545	.078	7.240	.063				175.00	19.90	9.46	17.10	358.
77 7 8 2200	300.5	.482	.083	7.050	.070				168.00	19.70	9.73	14.80	358.
77 7 9 100	307.1	.475	.085	7.080	.035				189.00	19.40	9.32	13.70	366.
77 7 9 400	311.4	.598	.085	6.660	.058				172.00	17.90	9.20	18.40	329.
77 7 9 700	313.6	.595	.075	6.360	.038				313.00	17.00	8.63	19.10	310.
77 7 9 1000	311.4	.556	.087	6.450	.072				245.00	18.90	8.22	17.40	323.
77 7 9 1300	248.3	.517	.084	6.610	.053				249.00	19.80	8.83	15.60	333.
77 7 9 1600	281.2	.502	.084	6.780	.066				242.00	19.70	9.18	14.70	338.
77 7 9 1900	257.4	.460	.088	6.960	.064				174.00	19.80	9.20	13.00	349.
77 7 9 2200	236.1	.408	.084	6.950	.054				157.00	20.00	9.66	11.50	367.
77 7 10 100	213.8	.378	.085	7.040	.059				127.00	20.60	10.20	9.80	382.
77 7 10 400	174.6	.361	.085	7.060	.072				111.00	20.90	10.60	9.00	391.
77 7 10 700	176.8	.349	.074	7.090	.077				142.00	21.10	10.40	8.50	398.
77 7 10 1000	160.0	.335	.080	6.990	.076				98.00	21.10	10.70	7.90	404.
77 7 10 1300	145.8	.344	.080	6.960	.071				103.00	21.10	10.40	7.90	401.
77 7 10 1600	134.0	.317	.074	6.810	.074				115.00	21.20	10.80	7.10	407.
77 7 10 1900	121.0	.316	.073	6.900	.074				73.60	21.60	10.40	6.80	416.

**SANDUSKY RIVER
NEAR
MEXICO, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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
YR	MO	DAY	HRS.											
76	1	1	1215	3244.0	.420	.090	4.800	.180		290.00	27.00			402.
76	1	2	1215	2153.0	.340	.080	5.900	.110		95.60	28.00			440.
76	1	3	1215	1854.0	.200	.080	6.000	.120		65.40	28.00			442.
76	1	4	1215	1902.0	.260	.080	6.500	.140		57.80	30.00			520.
76	1	5	615	1454.0	.350	.070	6.350	.125		101.00	30.00			513.
76	1	5	1655	994.0	.150	.080	6.800	.160		53.10	32.00			533.
76	1	5	1655	994.0	.260	.080	6.700	.140		44.60	31.00			527.
76	1	5	1655	954.0	.224	.100	5.500	.110		69.00	30.00		9.96	670.
76	1	6	1655	674.0	.178	.040	4.500	.080		27.50	28.00		11.20	849.
76	1	7	1655	702.8	.140	.090	6.500	.150		30.30	34.00		6.38	628.
76	1	8	1655	790.0	.137	.090	6.500	.130		24.10	33.00		5.91	637.
76	1	9	1655	770.0	.139	.040	5.900	.080		29.50	32.00		7.12	746.
76	1	10	1655	770.0	.132	.030	5.900	.080		22.10	33.00		3.19	752.
76	1	11	1655	688.4		.030	6.000	.120			34.00		.13	
76	1	12	1055	582.8		.060	5.300	.240			38.00		.14	
76	1	14	1640	834.0	.180	.050	4.000	.170	.937	38.90	45.00			845.
76	1	15	1640	970.0	.214	.100	3.100	.560	1.400	20.90	45.00			682.
76	1	16	1640	1093.5	.241	.130	2.900	.550	1.280	15.20	48.00			642.
76	1	17	1841	758.0	.190	.090	2.900	.400	.957	20.80	45.00			591.
76	1	18	1640	582.8	.164	.070	2.900	.280	.996	7.70	44.00			613.
76	1	19	1040	518.8	.094	.080	3.100	.260	.792	10.30	44.00			640.
76	1	27	1200	4754.0	.557	.140	2.200	.700		240.00	23.00			258.
76	1	27	1800	4530.0	.557	.160	2.100	.700		220.00	18.00			260.
76	1	27	2400	4594.0	.503	.140	2.300	.580		190.00	22.00			256.
76	1	28	600	4706.0	.479	.150	2.300	.580		155.00	22.00			256.
76	1	28	1200	4600.0	.433	.120	2.400	.450		152.00	21.00			254.
76	1	28	1800	4600.0	.410	.120	2.400	.370		131.00	21.00			254.
76	1	28	2400	4600.0	.390	.120	2.500	.360		130.00	21.00			259.
76	1	29	600	3200.0	.377	.140	2.600	.440		83.60	21.00			265.
76	1	29	1200	3200.0	.347	.130	2.700	.360		88.70	20.00			271.
76	1	29	1800	3200.0	.332	.160	2.800	.470		71.80	20.00			279.
76	1	29	2400	3200.0	.313	.140	2.900	.380		71.10	20.00			291.
76	1	30	600	1200.0	.300	.150	3.100	.400		60.10	20.00			305.
76	1	30	1200	1200.0	.284	.140	3.200	.280		57.90	20.00			339.
76	1	30	1800	1200.0	.278	.150	3.400	.350		47.40	20.00			345.
76	1	30	2400	1200.0	.244	.130	3.500	.430		44.90	21.00			372.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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 1 31 600	700.0	.224	.140	3.600	.330				30.30	22.00			403.
76 1 31 1200	700.0	.203	.120	3.600	.270				23.80	23.00			426.
76 1 31 1800	700.0	.182	.120	3.700	.280				20.80	24.00			449.
76 1 31 2400	700.0	.166	.100	3.700	.190				20.50	24.00			474.
76 2 1 600	460.0	.160	.100	3.700	.270				16.40	25.00			498.
76 2 1 1200	460.0	.150	.100	3.700	.240				23.48	25.00			511.
76 2 1 1800	460.0	.152	.100	3.700	.260				17.50	26.00			530.
76 2 1 2400	460.0	.130	.090	3.800	.160				17.90	26.00			543.
76 2 2 600	400.0	.130	.090	3.900	.260				15.80	27.00			557.
76 2 2 1200	400.0	.103	.080	3.700	.220				17.10	26.00			562.
76 2 2 1700	400.0	.126	.080	3.800	.280				14.80	25.00			577.
76 2 2 2300	400.0	.127	.080	3.700	.260				14.70	25.00			587.
76 2 3 500	411.0	.127	.070	3.700	.270				14.00	25.00			601.
76 2 3 1100	411.0	.127	.070	3.600	.250				11.40	25.00			606.
76 2 3 1700	411.0	.126	.070	3.500	.240				3.90	25.00			617.
76 2 4 1700	340.0	.122	.060	3.600	.250				7.70	27.00			666.
76 2 5 1700	320.0	.118	.100	3.500	.280				2.30	30.00			725.
76 2 6 1700	300.0	.120	.120	3.200	.280				.30	29.00			737.
76 2 7 1700	290.0	.130	.130	3.100	.240				2.40	29.00			767.
76 2 8 1700	280.0	.120	.120	2.900	.220				4.10	29.00			784.
76 2 9 1100	300.0	.140	.140	2.900	.300				2.70	31.00			800.
76 2 9 1800	300.0	.111	.060	2.600	.300				10.90	29.00			762.
76 2 9 2400	300.0	.113	.060	2.600	.300				7.10	29.00			772.
76 2 10 600	900.0	.117	.060	2.600	.250				9.20	29.00			773.
76 2 10 1200	900.0	.117	.070	2.500	.320				7.60	30.00			774.
76 2 10 1800	900.0	.118	.060	2.400	.240				6.60	29.00			772.
76 2 10 2400	500.0	.168	.080	2.300	.320				20.70	28.00			722.
76 2 11 600	2000.0	.240	.070	1.900	.360				106.00	25.00			637.
76 2 11 1200	2000.0	.426	.130	1.600	1.000				196.00	20.00			363.
76 2 11 1800	2000.0	.466	.170	1.700	1.000				169.30	21.00			351.
76 2 11 2400	2000.0	.619	.300	1.800	1.000				175.00	24.00			297.
76 2 12 600	2900.0	.453	.200	1.100	1.000				155.00	22.00			334.
76 2 12 1200	2500.0	.448	.170	2.400	1.000				158.00	19.00			303.
76 2 12 1800	2900.0	.424	.170	2.200	.940				141.00	28.00			350.
76 2 12 2400	2500.0	.387	.150	2.100	.780				128.00	24.00			309.
76 2 13 600	1900.0	.343	.120	2.100	.720				131.00	22.00			298.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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
76	2 15 1200	1900.0	.340	.120	2.200	.590				110.00	20.00			297.
76	2 15 1800	1900.0	.340	.120	2.200	1.000				128.00	19.00			289.
76	2 15 2400	1900.0	.367	.110	1.200	.490				143.00	18.00			286.
76	2 14 600	2100.0	.337	.100	2.400	.410				135.00	17.00			290.
76	2 14 1200	2100.0	.311	.110	2.700	.460				120.00	17.00			302.
76	2 14 1800	2100.0	.302	.100	2.900	1.000				109.00	17.00			316.
76	2 14 2400	2100.0	.299	.100	3.000	.380				95.50	18.00			337.
76	2 15 600	1400.0	.265	.100	3.100	1.000				98.60	18.00			352.
76	2 15 1200	1400.0	.265	.090	3.200	1.000				102.00	18.00			368.
76	2 15 1800	1400.0	.268	.080	3.200	.950				122.00	19.00			377.
76	2 15 2400	1400.0	.267	.080	3.200	.510				121.00	19.00			390.
76	2 16 600	5000.0	.289	.060	3.300	.180				155.00	19.00			399.
76	2 16 1200	5000.0	.297	.070	3.600	.200				158.00	20.00			398.
76	2 16 1800	5000.0	.500	.060	4.100	.390		1.520		336.00	22.00			401.
76	2 17 600	9000.0	1.160	.060	3.800	.230				927.00	21.00			347.
76	2 17 1200	9000.0	1.420	.060	3.700	.270				1128.00	20.00			309.
76	2 17 1800	9000.0	1.390	.060	3.700	.660				1042.00	19.00			285.
76	2 17 2400	9000.0	1.340	.060	3.800	.280		3.160		1047.00	17.00			270.
76	2 18 600	11000.0	1.290	.060	3.900	.290				976.00	18.00			272.
76	2 18 1200	11000.0	1.250	.060	4.100	.300				937.00	18.00			279.
76	2 18 1800	11000.0	1.230	.050	4.100	2.000				949.00	18.00			280.
76	2 18 2400	11000.0	1.200	.050	4.200	.340		2.420		903.00	18.00			286.
76	2 19 600	6000.0	1.140	.050	4.300	.240				1002.00	18.00			286.
76	2 19 1200	6000.0	1.060	.050	4.400	.600				841.00	18.00			287.
76	2 19 1800	6000.0	.986	.050	4.400	.210				794.00	19.00			289.
76	2 19 2400	6000.0	.937	.050	4.600	.260		3.620		684.00	19.00			291.
76	2 20 600	3500.0	.865	.050	4.800	.240				568.00	19.00			297.
76	2 20 1200	3500.0	.761	.050	5.000	.260				485.00	19.00			307.
76	2 20 1800	3500.0	.659	.050	5.300	.160				402.00	20.00			320.
76	2 20 2400	3500.0	.575	.050	5.400	.200		1.670		342.00	21.00			334.
76	2 21 600	2700.0	.571	.050	5.500	.380				295.00	21.00			344.
76	2 21 1200	2700.0	.474	.050	5.600	2.000				246.00	21.00			356.
76	2 21 1800	2700.0	.468	.050	5.600	.140				231.00	22.00			365.
76	2 21 2400	2700.0	.456	.050	5.400	.230		1.380		242.00	22.00			376.
76	2 22 600	5000.0	.477	.050	5.100	.140				295.00	22.00			378.
76	2 22 1200	5000.0	.560	.050	5.000	.180				346.00	23.00			380.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLE DATE YR MO DY	TIME 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	2	22	1300	5000.0	.515	.060	5.100	.190						
76	2	22	1400	5000.0	.535	.050	5.000	.180	1.460	339.00	22.00			383.
76	2	23	100	2600.0	.521	.050	4.800	.170		344.00	22.00			379.
76	2	23	700	2800.0	.488	.060	4.700	.170		324.00	23.00			377.
76	2	23	1300	2800.0	.450	.060	4.600	.230	1.350	303.00	23.00			378.
76	2	23	1900	2800.0	.414	.040	4.900	.090		263.00	22.00			378.
76	2	23	1900	2800.0	.414	.040	4.900	.090		224.00	23.00			381.
76	2	24	1900	2000.0	.297	.050	5.100	.070		149.00	23.00			419.
76	2	25	1900	1500.0	.245	.040	4.900	.050		115.00	24.00			485.
76	2	26	1900	1300.0	.231	.040	4.500	.050		98.80	25.00			520.
76	2	27	1900	1000.0	.216	.050	4.400	.060		87.20	26.00			552.
76	2	28	1900	850.0	.126	.040	4.200	.060		59.20	26.00			549.
76	2	29	1900	700.0	.171	.040	4.000	.060		59.90	27.00			585.
76	3	1	1300	540.0	.174		4.000			94.90				634.
76	3	2	1300	430.0	.134		3.000			40.50				648.
76	3	3	1300	411.0	.121		3.000			34.90				668.
76	3	3	1900	411.0	.133		4.000			39.80				666.
76	3	4	100	1620.0	.177		4.000			69.50				668.
76	3	4	700	1620.0	.270		4.000			150.00				651.
76	3	4	1300	1620.0	.379		3.000			248.00				640.
76	3	4	1900	1620.0	1.040		5.000			771.00				462.
76	3	5	100	4350.0	.999		5.000			681.00				408.
76	3	5	700	4350.0	.892		6.000			611.00				412.
76	3	5	1300	4350.0	.910		6.000			592.00				376.
76	3	5	1900	4350.0	.928		17.000			523.00				365.
76	3	6	100	4920.0	.879		9.000			548.00				356.
76	3	6	700	4920.0	.859		7.000			547.00				336.
76	3	6	1300	4920.0	.828		5.000			506.00				328.
76	3	6	1900	4920.0	.755		6.000			450.00				326.
76	3	7	100	4270.0	.689		6.000			379.00				339.
76	3	7	700	4270.0	.613		6.000			323.00				346.
76	3	7	1300	4270.0	.564		6.000			196.00				358.
76	3	7	1900	4270.0	.535		5.000			250.00				369.
76	3	8	100	2240.0	.504		4.000			165.00				378.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOD 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	HRS.											
76	3	8	700	2240.0	.453		4.000			212.00				390.
76	3	8	1900	2240.0	.328	.050	4.000	.160	1.300	108.00	23.00		18.40	443.
76	3	9	1900	1090.0	.254	.040	3.900	.050	.860	78.20	26.00		8.60	520.
76	3	10	1900	724.0	.200	.060	3.800	.090	.660	51.90	27.00		5.40	577.
76	3	11	1900	568.0	.159	.060	3.600	.100	.630	38.20	28.00		3.00	585.
76	3	12	1900	504.0	.150	.050	3.400	.140	.530	29.20	29.00		1.60	641.
76	3	13	1900	506.0	.139	.050	3.200	.110	.560	34.10	31.00		.90	662.
76	3	14	1900	760.0	.142	.040	2.900	.090	.500	38.10	32.00			656.
76	3	15	1300	787.0	.298	.030	3.200	.200	1.210	73.10	32.00			605.
76	3	15	1900	531.0	.213	.020	3.000	.140		77.60	28.00		4.50	602.
76	3	16	1900	464.0	.193	.050	2.900	.140		82.90	26.00		5.60	563.
76	3	17	1900	464.0	.149	.040	3.200	.090		54.50	26.00		3.60	606.
76	3	18	1900	420.0	.126	.030	3.100	.100		28.80	31.00		1.90	657.
76	3	19	1900	441.0	.113	.030	2.900	.200		30.30	29.00		1.50	670.
76	3	20	1900	506.0	.128	.030	2.800	.160		38.50	38.00		2.10	702.
76	3	21	1300	998.0	.143	.030	2.800	.260		56.70	30.00		2.90	676.
76	3	21	1900	998.0	.254	.010	2.700	.160		137.00	28.00		7.30	567.
76	3	22	100	2090.0	.511	.040	2.900	.210		300.00	28.00		25.00	567.
76	3	22	700	2090.0	.513	.030	2.000	.230		320.00	21.00		27.00	550.
76	3	22	1300	2090.0	.733	.050	3.100	.150		545.00	24.00		45.00	490.
76	3	22	1900	2090.0	.807	.060	3.300	.040		49.40	28.00			463.
76	3	23	100	1710.0	.762	.050	3.200	.040		488.00	25.00			440.
76	3	23	700	1710.0	.726	.050	3.200	.050		437.00	24.00			425.
76	3	23	1300	1710.0	.643	.040	3.300	.030		415.00	23.00			430.
76	3	23	1900	1710.0	.634	.040	3.400	.100		349.00	22.00			426.
76	3	24	100	866.0	.524	.050	3.700	.050		333.00	23.00			436.
76	3	24	700	866.0	.450	.040	3.800	.080		280.00	23.00			455.
76	3	24	1300	866.0	.383	.040	3.800	.050		169.00	23.00			465.
76	3	24	1900	866.0	.383	.040	3.700	.030		172.00	24.00			486.
76	3	25	100	584.0	.320	.030	3.600	.020		119.00	24.00			503.
76	3	25	700	584.0	.294	.030	3.500	.020		124.00	24.00			521.
76	3	25	1300	584.0	.254	.030	3.500	.090		98.00	25.00			540.
76	3	25	1900	584.0	.234	.030	3.400	.030		93.60	26.00			556.
76	3	26	1900	483.0	.191	.020	3.200	.010		91.90	26.00			600.
76	3	27	1900	432.0	.176	.030	2.900			64.80	27.00			630.
76	3	28	1900	450.0	.152	.020	2.500			62.90	28.00			658.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STATION : SANDUSKY RIVER

LOCATION : CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLE DATE	TIME DATE	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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	1	1500	457.0	.165	.020	2.200				42.10	29.00			653.
76	2	1500	457.0	.117	.020	2.100	.180			45.40	25.00			661.
76	3	1500	416.0	.111	.010	2.100	.010			40.00	25.00			648.
76	4	1500	464.0	.124	.020	2.100	.010			41.90	26.00			655.
76	5	1500	435.0	.118	.020	1.950	.140			40.20	27.00			679.
76	6	1550	429.0	.109	.020	1.900				30.90	27.00			691.
76	7	1500	450.0	.113	.040	1.750	.010			27.30	28.00			670.
76	8	1500	492.0	.128	.030	1.850	.050			41.60	28.00			671.
76	9	955	448.0	.145	.030	1.800	.040			44.50	29.00			655.
76	10	1900	448.0	.127	.030	2.000	.040			45.10	31.00			649.
76	11	1900	378.0	.126	.030	2.000	.030			34.00	30.00			665.
76	12	1900	330.0	.110	.020	1.800	.030			38.00	30.00			673.
76	13	1900	260.0	.112	.020	1.800	.040			39.60	30.00			685.
76	14	1900	256.0	.084	.010	1.600	.030			29.20	30.00			697.
76	15	1900	203.0	.083	.010	1.700	.040			29.60	30.00			701.
76	16	1900	194.8	.092	.010	1.500	.030			35.50	30.00			708.
76	17	1300	188.2	.105	.010	1.400	.020			40.00	30.00			722.
76	18	1900	188.2	.113	.060	1.200	.120			30.00	28.00			713.
76	19	1900	175.5	.131	.030	1.100	.110			34.20	29.00			729.
76	20	1900	165.0	.120	.020	1.000	.130			31.20	29.00			728.
76	21	1900	157.0	.113	.020	1.000	.140			35.40	29.00			735.
76	22	1900	155.0	.120	.010	.700	.160			25.00	28.00			724.
76	23	1900	149.0	.099	.010	.500	.140			22.60	28.00			725.
76	24	1900	141.2	.091	.010	.400	.090			27.30	27.00			736.
76	25	1300	133.6	.100	.010	.300	.050			30.70	27.00			742.
76	26	1900	131.7	.109	.020	.500	.120			14.20	30.00			793.
76	27	1900	131.7	.139	.030	.400	.120			14.40	31.00			804.
76	28	1900	135.5	.196	.030	.400	.050			11.00	31.00			814.
76	29	1900	137.4	.186	.040	.400	.090			14.60	31.00			818.
76	30	1900	143.1	.177	.060	.400	.460			11.00	33.00			821.
76	31	1900	141.2	.176	.020	.200	.120			25.30	32.00			818.
76	32	1900	149.2	.219	.010	.200	.100			65.60	31.00			837.
76	33	1300	214.9	.280	.010	.200	.140			68.70	31.00			826.
76	34	1900	219.5	.187	.040	.400	.090			102.00	32.00			791.
76	35	1900	220.7	.235	.030	.350	.090			57.50	32.00			785.
76	36	1900	236.0	.142	.020	1.300	.090			31.50	36.00			798.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STPEA : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197030

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
YR	MO	DAY	HRS.											
76	4	29	1900	194.8	.271	.010	.500	.130		47.50	35.00			770.
76	4	30	1900	171.3	.371		.900	.090		49.70	36.00			782.
76	5	1	1900	141.2	.140		.800	.060		34.10	35.00		2.79	779.
76	5	2	1900	131.7	.161		.800	.020		47.80	36.00		5.07	797.
76	5	3	1300	129.8	.223		.800			67.60	34.00		4.40	789.
76	5	3	1900	129.8	.178	.010	1.000	.370		62.30	34.00			776.
76	5	4	1900	122.4	.160		1.200	.150		50.20	35.00			781.
76	5	5	1900	115.2	.158		1.200	.360		44.00	34.00			785.
76	5	6	1900	106.3	.136		1.100	.230		42.20	34.00			778.
76	5	7	1900	167.1	.174		1.000	.150		61.40	33.00			803.
76	5	8	1900	165.0	.156		1.100	.180		53.40	33.00			813.
76	5	9	1900	147.0	.154		1.000	.120		50.30	32.00			802.
76	5	10	1300	132.6	.210	.050	1.300	.410		37.50	34.00			805.
76	5	11	1900	131.7	.250	.110	2.200			32.40	38.00			803.
76	5	11	1900	122.4	.197	.060	2.400	.010		41.80	38.00			809.
76	5	12	1900	108.0	.163	.030	1.900			43.20	38.00			801.
76	5	13	1900	101.2	.124	.020	1.000	.090		40.50	38.00			772.
76	5	14	1900	96.1	.104	.020	1.100	.030		27.60	37.00			801.
76	5	15	1900	96.1	.111	.010	.700	.010		28.50	38.00			801.
76	5	16	1900	96.1	.122	.020	.700			30.40	38.00			826.
76	5	17	1300	108.0	.129	.020	.700			34.50	39.00			830.
76	5	17	1900	374.0	.149	.030	1.100	.190		35.60	39.00			819.
76	5	18	1900	365.6	.251	.060	.900	.090		106.00	39.00			842.
76	5	19	1900	326.8	.306	.080	11.500	.130		121.00	37.00			741.
76	5	20	1000	311.2	.293	.080	7.500	.310		112.00	37.00			739.
76	5	20	1000	293.0	.275	.070	7.500	.260		109.00	38.00			761.
76	5	20	1300	270.4	.290	.060	10.500	.350		106.00	39.00			762.
76	5	20	1900	248.5	.270	.060	11.500	.260		85.20	39.00			771.
76	5	20	1900	228.7	.253	.060	10.900	.320		83.00	40.00			766.
76	5	21	700	208.0	.258	.060	10.000	.210		100.00	41.00			778.
76	5	21	1300	194.8	.245	.050	8.800	.270		91.00	41.00			805.
76	5	21	1900	179.7	.237	.050	8.200	.200		73.30	41.00			804.
76	5	22	1200	143.1	.195	.030	7.300	.170		51.40	39.00			769.
76	5	23	1900	120.6	.187	.020	6.700	.190		47.10	40.00			766.
76	5	24	1300	106.3	.178	.030	6.300	.150		48.90	40.00			779.
76	5	31	1900	634.4	.447		3.400	.010		218.00	29.00			783.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE	TIME 24 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	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	6	1	100	688.4	1.100	.030	5.900	.060		983.00	14.00			352.
76	6	1	730	581.2	.502	.060	6.700	.010		350.00	25.00			580.
76	6	1	1300	906.0	.485	.070	7.800	.020		343.00	28.00			621.
76	6	1	1900	1057.5	.634	.090	9.000	.020		472.00	27.00			576.
76	6	2	100	1125.0	.680	.110	10.500			526.00	27.00			574.
76	6	2	700	1044.0	.789	.110	14.400	.060		588.00	26.00			551.
76	6	2	1300	982.0	.699	.090	13.600	.010		580.00	26.00			538.
76	6	2	1900	962.0	.603	.090	14.200	.070		407.00	28.00			586.
76	6	3	100	926.0	.551	.100	15.000	.020		451.00	30.00			543.
76	6	3	700	962.0	.509	.120	16.500	.010		340.00	32.00			683.
76	6	3	1300	970.0	.458	.100	16.600	.020		292.00	33.00			712.
76	6	3	1900	886.0	.412	.100	18.100	.040		260.00	33.00			691.
76	6	4	100	774.0	.401	.100	19.300	.020		245.00	33.00			691.
76	6	4	700	663.2	.387	.100	18.600	.050		214.00	34.00			703.
76	6	4	1300	570.0	.352	.100	17.500	.210		199.00	37.00			729.
76	6	4	1900	491.0	.336	.080	16.900	.010		191.00	38.00			750.
76	6	5	100	422.0	.332	.070	15.400	.010		185.00	38.00			747.
76	6	5	700	374.0	.316	.070	14.400	.040		166.00	36.00			726.
76	6	5	1300	332.0	.317	.060	14.500	.040		181.00	35.00			710.
76	6	5	1900	293.0	.285	.050	15.400	.010		153.00	34.00			708.
76	6	6	100	263.2	.270	.050	15.600	.010		138.00	34.00			710.
76	6	6	700	236.0	.284	.050	15.800	.040		159.00	34.00			720.
76	6	6	1300	219.5	.279	.050	16.200	.240		156.00	35.00			730.
76	6	6	1900	201.4	.253	.040	16.000	.010		129.00	34.00			740.
76	6	7	100	188.2	.231	.050	16.600	.010		105.00	35.00			746.
76	6	7	700	173.4	.229	.050	16.300	.020		110.00	35.00			755.
76	6	7	1300	163.0	.246	.040	16.400			110.00	35.00			765.
76	6	7	1900	157.0	.273	.130	16.000	.040		112.00	36.00			748.
76	6	8	100	149.0	.257	.100	16.000	.040		101.00	37.00			755.
76	6	8	700	141.2	.244	.100	15.900	.040		92.80	37.00			755.
76	6	8	1300	135.5	.229	.090	15.700	.040		105.00	37.00			762.
76	6	8	1900	127.9	.210	.090	15.600	.040		90.60	37.00			767.
76	6	9	100	120.6	.200	.090	15.400	.040		81.90	37.00			769.
76	6	9	700	115.2	.205	.090	15.100	.050		77.80	37.00			772.
76	6	9	1300	111.6	.193	.080	15.000	.040		83.20	37.00			774.
76	6	9	1900	109.8	.185	.070	14.600	.050		66.80	37.00			779.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
YR MO DY	HRS.													
76	6	1	130	102.9	.195	.096	14.500	.070		64.30	37.00			783.
76	6	1	700	101.2	.197	.090	14.400	.060		60.90	37.00			783.
76	6	10	1300	101.2	.180	.085	14.100	.060		71.10	36.00			799.
76	6	11	1900	99.5	.174	.070	12.500	.080		70.60	36.00			787.
76	6	11	1900	86.2	.186	.050	11.500	.460		80.50	36.00			805.
76	6	12	1900	78.2	.191	.050	10.400	.140		52.10	37.00			786.
76	6	13	1900	70.5	.145	.320	9.500	.220		47.20	37.00			809.
76	6	14	1300	64.5	.175	.020	8.600	.170		41.40	37.00			817.
76	6	14	1900	61.5	.154	.040	9.900	.010		57.70	38.00			803.
76	6	15	1900	58.6	.133	.030	7.700	.030		58.70	38.00			792.
76	6	16	1900	55.8	.169	.060	7.100	.440		40.90	38.00			779.
76	6	17	1900	58.6	.222	.030	6.200	.090		136.00	37.00			778.
76	6	18	1900	61.5	.173	.030	4.600	.290		77.20	37.00			794.
76	6	19	1900	66.0	.171	.320	4.100	.190		79.40	37.00			822.
76	6	20	1900	194.8	.222	.010	2.400	.050		124.00	37.00			821.
76	6	21	1300	652.4	.407	.030	1.100			184.00	40.00			864.
76	6	21	1900	730.0		.140	2.000	.010		208.00	42.00			803.
76	6	22	100	674.0	.464	.130	5.900	.020		193.00	38.00			728.
76	6	22	700	576.4	.524	.170	10.000	.040		227.00	37.00			668.
76	6	22	1300	488.0	.640	.210	9.900	.010		265.00	38.00			655.
76	6	22	1900	407.6	.521	.200	8.900	.010		183.00	39.00			642.
76	6	23	100	346.0	.487	.140	11.500	.010		212.00	38.00			636.
76	6	23	700	303.4	.488	.100	13.200	.010		216.00	36.00			620.
76	6	23	1300	268.0	.478	.080	14.400			211.00	35.00			616.
76	6	23	1900	236.0	.400	.100	15.900	.010		189.00	34.00			615.
76	6	24	100	210.3	.386	.110	16.300	.020		148.00	34.00			621.
76	6	24	1300	181.9	.594	.120	17.000	.010		272.00	34.00			638.
76	6	24	1900	190.4	.344	.070	17.000	.010		175.00	34.00			641.
76	6	25	100	181.8	.335	.060	16.800			165.00	34.00			646.
76	6	25	700	183.9	.341	.030	16.800			148.00	34.00			654.
76	6	25	1300	201.4	.371	.060	16.700	.010		189.00	34.00			666.
76	6	25	1700	234.5	.343	.040	17.000	.010		180.00	34.00			683.
76	6	26	100	272.9	.357	.060	17.000	.020		164.00	35.00			696.
76	6	26	700	282.6	.410	.050	16.900	.010		219.00	35.00			712.
76	6	26	1300	357.2	.399	.010	16.100			213.00	35.00			726.
76	6	26	1900	388.0	.402	.040	15.100			219.00	36.00			735.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE YR MO DY	TIME 24HR 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 27 100	425.0	.432	.077	14.100	.010				215.00	38.00			746.
76	6 27 700	434.0	.431	.067	13.000	.020				233.00	38.00			731.
76	6 27 1300	437.0	.457	.057	12.700					271.00	36.00			700.
76	6 27 1900	440.0	.390	.050	13.400					219.00	34.00			679.
76	6 28 100	374.0	.383	.050	13.400	.020				218.00	34.00			680.
76	6 28 700	321.6	.381	.030	13.400	.010				210.00	34.00			682.
76	6 28 1300	303.4	.401	.060	13.600	.010				218.00	34.00			677.
76	6 28 1900	308.6	.375	.130	11.800	.070				220.00	33.00			645.
76	6 29 700	253.5	.390	.120	10.300	.020				234.00	32.00			655.
76	6 29 1900	201.4	.312	.100	10.700	.040				159.00	31.00			645.
76	6 30 700	175.5	.290	.100	11.200	.040				142.00	31.00			629.
76	6 30 1900	159.0	.320	.080	10.700	.040				172.00	29.00			616.
76	7 1 700	153.0	.288	.080	11.000	.070				144.00	31.00			643.
76	7 1 1900	157.0	.298	.080	10.800	.040				153.00	33.00			673.
76	7 2 700	214.9	.316	.070	10.400	.060				169.00	32.00			685.
76	7 2 1900	217.2	.329	.060	10.600	.030				183.00	32.00			706.
76	7 3 700	210.3	.274	.050	9.800	.010				116.00	33.00			722.
76	7 3 1900	194.8	.274	.030	9.100	.010				116.00	34.00			736.
76	7 4 700	161.0	.258	.030	8.500	.030				99.60	34.00			732.
76	7 4 1900	135.5	.226	.010	8.600	.050				100.00	34.00			723.
76	7 5 700	117.0	.233	.010	8.400	.040				69.90	32.00			718.
76	7 5 1300	113.4	.196	.010	8.300					83.40	32.00			707.
76	7 5 1900	111.6	.190	.100	9.400	.030				88.40	32.00			691.
76	7 6 700	94.4	.177	.080	9.300	.030				68.50	32.00			696.
76	7 6 1900	84.6	.174	.070	8.800	.020				83.20	32.00			670.
76	7 7 700	78.2	.188	.060	8.500	.010				85.40	32.00			683.
76	7 7 1900	73.5	.149	.060	8.000	.040				56.50	33.00			702.
76	7 8 700	111.6	.140	.050	7.000	.050				69.30	33.00			655.
76	7 8 1900	343.2	.221	.050	6.200	.040				119.00	33.00			703.
76	7 9 700	609.2	.404	.090	3.700	.050				188.00	32.00			627.
76	7 9 1300	378.0	.538	.080	5.700	.340				34.00	27.00			573.
76	7 9 1900	1251.0	.761	.090	4.900	.100				534.00	29.00			570.
76	7 1 100	1405.0	.934	.150	4.300	.070				684.00	23.00			438.
76	7 1 700	1145.0	.967	.130	5.300	.050				724.00	21.00			423.
76	7 1 1300	1098.0	.701	.130	5.500	.040				484.00	21.00			394.
76	7 1 1900	830.0	.610	.110	5.500	.030				394.00	18.00			377.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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 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 DY	HRS.													
76	7	11	100	612.8	.504	.100	5.700	.070		335.00	18.00			379.
76	7	11	700	485.0	.541	.110	5.900	.020		309.00	18.00			389.
76	7	11	1300	399.2	.486	.100	5.800	.010		281.00	18.00			396.
76	7	11	1900	334.8	.451	.090	5.700	.020		258.00	19.00			403.
76	7	12	100	290.4	.432	.090	5.600	.010		214.00	19.00			414.
76	7	12	700	251.0	.413	.090	5.600	.020		210.00	19.00			423.
76	7	12	1300	224.1	.387	.090	5.600	.020		181.00	20.00			434.
76	7	12	1900	201.4	.357	.200	6.100	.610		147.00	20.00			448.
76	7	13	700	165.0	.320	.180	6.100	.100		137.00	21.00			464.
76	7	13	1900	141.2	.331	.180	6.000			154.00	22.00			492.
76	7	14	700	124.2	.287	.160	6.100	.090		104.00	23.00			506.
76	7	14	1900	109.8	.252	.140	5.600	.120		85.40	22.00			516.
76	7	15	700	99.5	.228	.130	5.100	.030		66.40	22.00			542.
76	7	15	1900	92.7	.236	.090	5.300	.020		74.90	27.00			554.
76	7	16	700	87.8	.194	.120	5.300	.170		63.00	24.00			560.
76	7	16	1900	81.4	.207	.100	4.900	.050		60.60	27.00			591.
76	7	17	700	84.6	.179	.080	4.500	.360		56.60	27.00			576.
76	7	17	1900	81.4	.168	.090	4.400	.060		49.70	27.00			601.
76	7	18	700	73.5	.142	.060	4.000	2.000		48.80	28.00			573.
76	7	18	1900	69.0	.159	.070	3.800	.100		50.70	28.00			613.
76	7	19	700	76.6	.138	.070	3.500	.070		37.30	29.00			591.
76	7	19	1300	79.8	.150	.070	3.400	.100		43.40	28.00			624.
76	7	19	1900	81.4	.125	.110	3.700	.005		39.20	28.00			631.
76	7	20	700	79.8	.110	.110	3.300	.008		33.60	28.00			640.
76	7	20	1900	73.5	.121	.090	3.100	.010		40.10	30.00			673.
76	7	21	700	64.5	.099	.070	2.500	.010		41.80	30.00			632.
76	7	22	700	67.5	.102	.070	2.100	.040		32.10	31.00			670.
76	7	22	1900	69.0	.124	.070	1.900	.260		39.00	31.00			658.
76	7	23	700	83.5	.140	.090	1.700	.180		40.30	31.00			677.
76	7	23	1900	256.0	.151	.060	.800	.170		61.20	32.00			666.
76	7	24	700	217.2	.201	.090	.500	.490		51.30	32.00			697.
76	7	24	1900	422.0	.267	.070	1.000	1.000		103.00	28.00			623.
76	7	25	100	742.0	.353	.080	2.600	.040		195.00	22.00			497.
76	7	25	700	966.0	.420	.080	2.200	.020		244.00	26.00			566.
76	7	25	1300	1206.0	.523	.090	2.600	.070		351.00	23.00			515.
76	7	26	100	1237.5	.665	.180	2.600	.060		397.00	21.00			412.

LAKE ERIC WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	HRS.											
76	7	26	700	1884.5	.613	.160	2.700	.320		354.00	19.00			387.
76	7	26	1300	882.0	.530	.160	2.800	.070		323.00	20.00			403.
76	7	27	100	573.2	.489	.200	3.200	.140		261.00	19.00			396.
76	7	27	700	488.0	.482	.210	3.100	.030		238.00	20.00			416.
76	7	27	1300	410.4	.496	.200	3.000	.030		264.00	20.00			416.
76	7	27	1900	354.4	.473	.190	3.000	.090		216.00	20.00			399.
76	7	28	100	311.2	.428	.180	2.900	.230		222.00	20.00			391.
76	7	28	700	272.8	.392	.180	2.800	.040		196.00	19.00			398.
76	7	28	1300	243.5	.391	.180	2.700	.030		192.00	20.00			413.
76	7	28	1900	219.5	.350	.170	2.600	.030		171.00	20.00			433.
76	7	29	100	199.2	.293	.160	2.500	.040		109.00	20.00			442.
76	7	29	700	181.8	.270	.160	2.500	.050		108.00	20.00			446.
76	7	29	1300	169.2	.270	.160	2.400	.050		96.40	20.00			444.
76	7	29	1900	161.0	.288	.160	2.500	.100		102.00	20.00			447.
76	7	30	100	155.0	.283	.150	2.500	.050		99.80	20.00			452.
76	7	30	700	153.0	.244	.150	2.500	.060		90.40	21.00			451.
76	7	30	1300	167.1	.239	.150	2.500	.210		75.70	21.00			457.
76	7	30	1900	167.1	.248	.140	2.500	.060		76.40	21.00			470.
76	7	31	100	157.0	.240	.140	2.400	.060		81.40	21.00			476.
76	7	31	700	143.1	.219	.140	2.400	.390		76.20	21.00			482.
76	7	31	1300	135.5	.231	.140	2.400	.070		72.40	22.00			492.
76	7	31	1900	133.6	.227	.130	2.300	.130		71.90	22.00			498.
76	8	1	100	129.8	.232	.120	2.200	.150		62.80	22.00			513.
76	8	1	700	122.4	.220	.110	2.200	.040		71.20	23.00			516.
76	8	1	1300	113.4	.220	.120	2.200	.040		82.90	24.00			519.
76	8	1	1900	102.9	.246	.110	2.000	.050		94.50	24.00			532.
76	8	2	100	97.8	.232	.120	2.100	.030		81.10	25.00			542.
76	8	2	700	91.0	.244	.110	2.000	.060		73.00	25.00			545.
76	8	2	1300	86.2	.229	.110	2.000	.070		69.90	26.00			556.
76	8	2	1900	81.4	.223	.140	2.000	.020		75.00	29.00			574.
76	8	3	700	76.6	.181	.130	2.000	.010		52.20	30.00			576.
76	8	3	1900	73.5	.168	.110	2.100	.050		50.90	30.00			572.
76	8	4	700	69.0	.201	.100	1.900	.020		58.90	31.00			595.
76	8	4	1900	66.0	.191	.080	1.600	.050		63.30	31.00			609.
76	8	5	700	64.5	.150	.150	1.500	.190		30.10	35.00			581.
76	8	5	1900	63.0	.104	.040	1.400	.070		25.20	33.00			622.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE YR MO DY	TIME HR	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NO-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	6	700	60.0	.114	.040	1.300	.110		35.90	34.00			613.
76	8	6	1900	57.0	.100	.050	1.300	.130		24.50	34.00			609.
76	8	7	700	55.5	.093	.040	1.200	.130		37.40	34.00			627.
76	8	7	1900	57.0	.115	.040	1.000	.110		30.40	33.00			638.
76	8	8	700	57.2	.133	.060	1.000	.160		34.60	33.00			649.
76	8	8	1900	60.0	.190	.060	1.100	.080		66.00	32.00			717.
76	8	9	700	51.0	.252	.050	.600	.110		88.90	37.00			761.
76	8	9	1300	324.2	.309	.050	.400	.050		118.00	40.00			750.
76	8	9	1900	326.8	.308	.140	1.000	.070		107.00	40.00			764.
76	8	10	700	251.0	.300	.150	1.000	.050		84.80	40.00			770.
76	8	10	1900	214.9	.248	.140	.800	.040		57.70	38.00			705.
76	8	11	700	190.4	.312	.210	1.600	.050		66.80	39.00			619.
76	8	11	1900	157.0	.395	.260	2.300	.050		74.20	38.00			551.
76	8	12	700	124.8	.334	.230	2.400	.060		67.40	32.00			507.
76	8	12	1900	115.0	.288	.190	2.200	.130		36.50	31.00			508.
76	8	13	700	100.0	.260	.150	1.900	.120		51.40	31.00			540.
76	8	13	1900	100.0	.250	.100	1.700	.160		66.60	32.00			548.
76	8	14	700	97.0	.168	.050	.900	.180		40.70	32.00			552.
76	8	14	1900	90.7	.187	.040	1.100	.210		52.50	33.00			579.
76	8	15	700	106.3	.170	.040	.700	.250		44.90	33.00			577.
76	8	15	1900	111.0	.171	.030	.700	.210		48.40	34.00			596.
76	8	16	100	113.4	.254	.030	.600	.300		82.60	35.00			618.
76	8	16	700	256.0	.210	.030	.700	.260		62.00	34.00			604.
76	8	16	1300	200.4	.301	.040	.500	.180		98.80	35.00			646.
76	8	16	1900	255.4	.300	.160	1.100	.500		93.10	35.00			641.
76	8	17	1900	155.0	.341	.170	1.300	.410		101.00	38.00			673.
76	8	18	1900	140.0	.317	.190	1.200	.370		76.10	39.00			665.
76	8	19	1900	121.6	.317	.220	1.500	.420		60.90	45.00			646.
76	8	19	1900	89.4	.260	.130	1.200	.400		48.60	37.00			572.
76	8	21	1900	73.5	.260	.120	1.300	.390		70.70	35.00			569.
76	8	22	1900	63.0	.211	.060	1.000	.350		55.40	33.00			561.
76	8	23	1300	57.2	.181	.080	1.000	.420		36.40	33.00			563.
76	8	23	1900	55.8	.240	.160	1.500	.020		41.80	32.00			568.
76	8	24	100	51.0	.290	.160	1.450	.015		44.40	32.00			567.
76	8	24	700	51.6	.220	.180	1.600	.005		40.90	32.00			572.
76	8	24	1300	56.0	.210	.170	1.300	.060		41.10	33.00			571.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING TIME DATE 24 5 YR MO DY 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 8 24 1900	51.6	.215	.150	1.200	.110				37.70	33.00			532.
76 8 25 1900	48.8	.247	.160	1.500	.040				54.10	33.00			569.
76 8 25 1900	54.0	.277	.160	1.600	.010				89.70	33.00			586.
76 8 25 1900	54.0	.523	.170	1.550	.020				225.00	34.00			590.
76 8 25 1900	48.8	.916	.170	1.350	.010				460.00	34.00			593.
76 8 26 1900	47.4	.657	.180	1.300	.060				315.00	34.00			580.
76 8 26 1900	52.0	2.000	.120	.700	.040				1804.00	35.00			583.
76 8 26 1900	52.0	.443	.140	1.100	.060				154.00	35.00			578.
76 8 26 1900	47.4	.363	.130	1.050	.140				127.00	35.00			588.
76 8 27 1900	46.0	.313	.120	.800	.080				120.00	36.00			564.
76 8 27 1900	52.0	.358	.120	.900	.040				132.00	36.00			584.
76 8 27 1900	52.0	.384	.150	.900	.170				112.00	36.00			596.
76 8 27 1900	46.0	.264	.090	.500	.340				69.30	36.00			589.
76 8 28 1900	42.1	.299	.100	.700	.090				108.00	36.00			634.
76 8 29 1900	42.1	.240	.090	.500	.110				57.40	36.00			647.
76 8 30 1900	48.8	.240	.080	.300	.280				73.70	37.00			663.
76 8 31 1900	54.4	.191	.121	.510	.049				28.90	38.00			654.
76 8 31 1900	55.8	.225	.126	.590	.089				34.00	39.20			680.
76 9 1 1900	47.4	.246	.136	.650	.115				36.30	39.90			712.
76 9 1 1900	44.7	.154	.090	.350	.173				9.50	41.90			744.
76 9 1 1900	43.4	.165	.107	.280	.317				9.50	41.00			753.
76 9 1 1900	42.1	.171	.111	.260	.369				12.40	40.70			775.
76 9 5 1900	40.8	.140	.061	.220	.079				10.90	42.60			786.
76 9 6 1900	36.9	.171	.068	.190	.058				24.00	41.60			791.
76 9 6 1900	36.9	.170	.100	.590	.055				35.60	42.80		1.26	788.
76 9 7 1900	33.0	.168	.101	.580	.214				31.60	41.70		1.25	791.
76 9 8 1900	31.9	.174	.097	.350	.243				21.20	41.30		1.11	790.
76 9 9 1900	29.7	.137	.077	.330	.130				23.50	42.20		.94	777.
76 9 11 1900	30.8	.139	.075	.270	.120				31.10	42.20		1.30	796.
76 9 11 1900	29.5	.212	.078	.370	.136				55.80	43.80		2.13	807.
76 9 11 1900	29.5	.148	.054	.240	.097				28.80	44.10		1.20	819.
76 9 13 1900	44.7	.152	.058	.240	.107				30.30	44.80		1.25	837.
76 9 13 1900	44.7	.176	.095	.620	.034				25.70	43.00			852.
76 9 14 1900	43.4	.189	.085	.500	.089				25.60	43.70			873.
76 9 15 1900	38.2	.164	.085	.420	.121				24.90	44.20			888.
76 9 16 1900	33.0	.140	.066	.270	.128				21.60	45.00			886.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLE DATE YR MO DY	TIME 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	SID2 MG/L	IRON MG/L	COND 25C. UMHO
76	9	17	1900	35.6	.167	.091	.250	.261		20.20	45.60			902.
76	9	18	1900	38.2	.156	.078	.220	.199		20.70	45.30			936.
76	9	19	1900	48.8	.150	.054	.160	.114		23.00	45.40			920.
76	9	20	1300	54.4		.060	.140	.153			45.30			
76	9	20	1900	54.4	.184	.123	.590	.043		20.60	46.50			902.
76	9	21	1900	57.2	.186	.116	.530	.152		24.00	46.50			921.
76	9	22	1900	47.4	.174	.078	.450	.095		24.70	48.10			939.
76	9	23	1900	40.8	.174	.075	.430	.111		20.90	48.10			940.
76	9	24	1900	35.6	.204	.076	.470	.132		38.90	47.90			937.
76	9	25	1900	31.9	.175	.057	.230	.273		24.80	47.60			930.
76	9	26	1900	34.3	.159	.044	.330	.176		21.20	48.70			912.
76	9	27	1300	38.2	.174	.047	.380	.176		23.10	48.20			919.
76	9	27	1900	42.1	.160	.092	.670	.068		32.20	46.80			920.
76	9	28	1900	104.6	.161	.080	.400	.083		35.90	44.00			920.
76	9	29	1900	101.2	.194	.092	.420	.116		44.60	49.90			939.
76	9	30	1900	81.4	.200	.107	.730	.114		32.70	47.00			855.
76	10	1	1900	66.0	.213	.114	1.040	.077		31.80	42.80			741.
76	10	2	1900	54.0	.192	.102	1.100	.103		34.10	44.10			758.
76	10	3	1900	50.2	.157	.046	1.100	.055		24.40	43.50			755.
76	10	4	1300	40.0	.153	.030	.930	.018		28.10	42.80			758.
76	10	4	1900	40.0	.144	.010	.990	.182		50.90	46.70			754.
76	10	5	1900	36.0	.155	.009	1.050	.140		37.00	46.20			757.
76	10	6	1900	34.0	.127	.005	.970	.132		435.00	46.90			792.
76	10	7	1900	34.0	.138	.012	1.040	.087		32.90	47.40			794.
76	10	8	1900	34.0	.174	.010	.770	.155		39.10	46.80			805.
76	10	9	1900	34.0	.141	.006	.710	.131		35.30	47.30			807.
76	10	10	1900	34.0	.150	.007	.740	.084		37.70	48.30			834.
76	10	11	1300	37.0	.153		.790	.072		37.50	50.10			847.
76	10	11	1900	41.0	.126	.039	.920	.122		29.10	48.70			843.
76	10	12	1900	41.0	.149	.035	.530	.069		28.80	51.00			853.
76	10	13	1900	41.0	.145	.028	.520	.136		29.80	49.70			870.
76	10	14	1900	40.0	.135	.024	.250	.070		34.30	52.50			866.
76	10	15	1900	40.0	.164	.023	.230	.105		30.40	53.40			879.
76	10	16	1900	38.0	.170	.024	.210	.110		36.90	54.60			878.
76	10	17	1900	38.0	.118		.200	.044		25.70	56.30			893.
76	10	18	1300	36.0	.123	.012	.200	.050		27.50	56.90			887.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING TIME DATE 24:00 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	S102 MG/L	IRON MG/L	COND 25C. UMHO
76 11 19 100	35.0	.119	.042	.150	.141				18.80	66.30			891.
76 11 19 1900	35.0	.113	.030	.170	.104				21.70	68.00			901.
76 11 20 1900	36.0	.125	.022	.150	.065				18.20	68.50			913.
76 11 21 1900	37.0	.095	.027	.120	.118				18.50	68.30			919.
76 11 22 1900	41.0	.110	.026	.110	.103				24.00	66.10			921.
76 11 23 1900	45.0	.197	.020	.100	.073				42.70	63.60			926.
76 11 24 1900	54.0	.133	.013	.100	.177				23.40	63.10			978.
76 11 25 1300	58.0	.159	.018	.090	.214				28.80	63.20			1002.
76 11 25 1900	58.0	.130	.016	.140	.071				16.30	44.20	2.82		1026.
76 11 26 1900	64.0	.136	.012	.170	.086				15.30	46.80	4.13		1047.
76 11 27 1900	70.0	.124	.036	.530	.077				9.30	46.90	4.67		1053.
76 11 28 1900	71.0	.131	.055	.650	.104				3.20	45.80	5.47		1047.
76 11 29 1900	74.0	.174	.091	.670	.106				8.90	46.30	5.82		1051.
76 11 30 1900	71.0	.161	.079	.750	.110				11.10	45.80	5.39		1045.
76 11 31 1900	69.0	.156	.078	.720	.100				8.60	47.90	6.50		1038.
76 11 1 1300	67.0	.167	.077	.680	.104				11.60	49.00	5.49		1013.
76 11 2 1300	71.0	.258	.124	.970	.243				29.10	48.60	5.45		979.
76 11 3 1300	76.0	.233	.144	.790	.199				16.80	46.10	5.60		951.
76 11 4 1300	74.0	.334	.215	1.240	.387				17.80	52.20	5.91		978.
76 11 5 1300	72.0	.417	.278	1.230	.639				21.10	50.70	6.18		959.
76 11 6 1300	70.0	.332	.174	1.290	.226				21.30	47.30	5.93		904.
76 11 7 1300	66.0	.275	.166	1.380	.211				31.10	48.10	5.74		897.
76 11 8 1300	62.0	.254	.165	1.260	.212				20.30	47.90	6.09		911.
76 11 8 1900	62.0	.281	.151	1.390	.164				21.60	47.40	6.25		896.
76 11 9 1900	35.0	.247	.141	1.330	.194				9.80	46.10	5.91		898.
76 11 10 1900	51.0	.333	.127	1.470	.165				12.60	45.90	5.37		900.
76 11 11 1900	50.0	.209	.120	1.420	.156				10.00	48.00	5.21		923.
76 11 12 1900	47.0	.198	.103	1.190	.123				9.10	49.40	5.04		942.
76 11 13 1900	45.0	.194	.116	.970	.106				5.10	49.70	4.57		961.
76 11 14 1900	49.0	.202	.119	.940	.091				9.60	50.40	4.60		960.
76 11 15 1300	43.0	.211	.123	.950	.085				9.00	50.60	4.20		964.
76 11 15 1900	43.0	.254	.133	1.010	.105				16.90	50.70			966.
76 11 16 1900	41.0	.219	.135	1.030	.120				10.80	50.00			975.
76 11 17 1300	40.0	.211	.128	1.100	.107				10.70	52.90			982.
76 11 22 1900	44.0	.318	.080	.810	.030				55.50	52.50	3.91		988.
76 11 23 1900	50.0	.214	.094	.840	.118				14.50	53.80	4.54		993.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING TIME DATE 2400 YR MO DY 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	S102 MG/L	IRON MG/L	COND 25C. UMHO
76 11 24 1900	46.0	.158	.083	.730	.118				7.60	53.10	3.71		996.
76 11 25 1900	43.0	.184	.086	.630	.109				18.70	53.10	2.94		1066.
76 11 26 1900	44.0	.143	.065	.500	.069				7.20	50.10	3.57		991.
76 11 27 1900	44.0	.134	.057	.430	.099				11.20	48.00	3.70		995.
76 11 28 1900	44.0	.133	.057	.410	.126				12.80	48.30	3.14		998.
76 11 29 100	43.0	.131	.060	.380	.079				9.40	47.90	2.20		998.
76 12 7 1300	40.0	.350	.170		.161				48.20	48.20	2.82		1019.
76 12 8 1300	40.0	.215	.139	1.070	.122				11.60	50.50	3.32		1049.
76 12 9 1300	40.0	.259		1.150	.116				11.20	52.30	2.79		1074.
76 12 10 1300	39.0	.239	.149	1.130	.162				6.50	52.80	3.94		1100.
76 12 11 1300	39.0	.262	.149	1.190	.134				7.10	54.10	2.93		1116.
76 12 12 1300	39.0	.246	.144	1.230	.146				6.90	55.90	3.09		1105.
76 12 13 1300	39.0	.233	.138	1.280	.131				5.40	54.90	3.29		1108.
76 12 14 1300	39.0	.234	.144	1.350	.146				5.40	54.40	2.72		1141.
76 12 14 1300	39.0	.235	.153	1.430	.182				5.70	55.20	2.64	.48	1160.
76 12 15 1300	38.0	.264	.163	1.440	.197				5.70	55.90	2.69	.39	1161.
76 12 16 1300	41.0	.313	.216	1.480	.173				4.50	57.50	2.38	.29	1183.
76 12 17 1300	41.0	.290	.184	1.450	.202				6.20	55.30	2.60	.35	1177.
76 12 18 1300	41.0	.326	.214	1.440	.182				7.20	58.20	2.38	.33	1193.
76 12 19 1300	41.0	.446	.263	.890	.372				14.70	60.20	4.39	.33	1199.
76 12 20 1300	42.0	.383	.196	1.650	.190		1.260		14.10	63.40	3.00		1120.
76 12 21 1300	41.0	.311	.207	1.630	.254		.751		5.40	63.90	3.06		1117.
76 12 22 100	34.0	.357	.153	1.570	.200		1.690		18.70	62.90	3.63		1106.
77 1 3 700	34.0	.288	.169	1.630	.213		.970		10.50	63.20	3.81		1155.
77 1 3 1300	34.0	.196	.171	1.560	.238				3.10	61.00			1174.
77 1 4 1900	34.0	.153	.137	1.290	.343				4.40	57.40			1168.
77 1 5 1900	33.0	.182	.131	1.300	.345				7.10	57.60			1186.
77 1 6 1900	32.0	.201	.135	1.350	.321				6.40	57.60			1188.
77 1 7 1900	32.0	.222	.151	1.360	.359				7.40	57.60			1180.
77 1 8 100	31.0	.297	.185	1.270	.674				15.30	59.00			1205.
77 1 10 1900	31.0	.252	.100	.760	.179					49.70			1014.
77 1 13 1900	31.0	.214	.113	.710	.304				10.90	47.80			973.
77 1 14 1300	31.0	.201	.110	.720	.384				1.70	48.80			947.
77 1 15 1300	31.0	.224	.130	.680	.427				1.20	47.70			993.
77 1 16 1300	31.0	.232	.138	.660	.467				.90	45.70			896.
77 1 17 1300	32.0	.225	.127	.660	.566				1.20	45.70			890.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197030

SAMPLING DATE	TIME 24°C	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	CPS. 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	HRS.											
77	1	14	1900	32.0	.209	.148	.750	.571		6.30	48.00	2.96		900.
77	1	14	1900	33.0	.189	.129	.710	.600		3.20	48.50	3.32		920.
77	1	20	1900	35.0	.192	.118	.790	.582		5.70	50.30	3.67		936.
77	1	21	1900	32.0	.199	.101	.760	.497		5.90	50.00	3.68		946.
77	1	22	1900	39.0	.217	.135	.770	.687		4.90	50.70	4.08		961.
77	1	23	1900	40.0	.235	.143	.780	.758		5.40	51.80	4.11		986.
77	2	3	1300	33.0	.292	.183	.760	1.100		9.40	52.30	5.29		1055.
77	2	4	1300	33.0	.298	.206	.770	1.250		5.00	52.10	5.43		1057.
77	2	5	1300	32.0	.296	.197	.790	1.220		3.00	52.00	5.45		1051.
77	2	6	1300	32.0	.305	.191	.790	1.300		5.50	51.40	5.65		1065.
77	2	7	1300	31.0	.317	.207	.770	1.520		5.40	52.00	6.17		1100.
77	2	7	1900	31.0	.320	.217	.820	1.340		8.00	61.90	6.81		1116.
77	2	8	1900	30.0	.358	.241	.840	1.530		5.20	62.60	7.24		1122.
77	2	9	1900	29.0	.381	.250	.870	1.700		5.40	67.40	7.15		1139.
77	2	10	1900	29.0	.401	.253	.840	1.770		6.70	63.40	7.27		1135.
77	2	11	1900	28.0	.425	.263	.810	2.000		7.80	64.50	7.71		1140.
77	2	12	1900	31.0	.489	.278	.730	2.000		8.20	67.30	8.16		1165.
77	2	14	1300	74.0	.513	.350	1.350	2.340		7.40	115.00	8.35		1170.
77	2	14	1900	74.0	.463	.345	1.200	2.080		6.20	111.00	8.05		1151.
77	2	15	100	200.0	.508	.390	1.450	1.950		8.50	109.00	7.85		1129.
77	2	15	700	200.0	.573	.400	1.600	1.910		11.70	110.00	7.15		1070.
77	2	17	1900	520.0	.653	.370	2.250	1.530		41.40	116.00	6.35		930.
77	2	18	1300	580.2	.591	.385	2.200	1.590		14.90	116.00	6.45		919.
77	2	18	1900	580.2	.555	.410	2.150	1.660		14.10	116.00	6.50		912.
77	2	19	100	520.0	.551	.395	2.050	1.660		14.20	111.00	6.15		916.
77	2	19	700	520.0	.765	.765	1.950	1.640		9.60	110.00	6.10		919.
77	2	19	1300	520.0	.531	.375	1.950	1.680		9.50	112.00	6.20		921.
77	2	19	1900	520.0	.541	.355	1.800	1.550		11.40	106.00	5.80		919.
77	2	20	100	450.0	.529	.335	1.800	1.590		11.10	108.00	6.05		918.
77	2	20	700	450.0	.567	.375	1.800	1.910		13.90	117.00	6.55		
77	2	22	1300	370.0	.544	.284	3.770	.318	3.530	17.20	69.00	5.81		733.
77	2	22	1400	370.0	.454	.264	3.590	.507	1.760	11.50	66.70	6.16		727.
77	2	23	100	438.5	.446	.296	3.230	.923	1.880	10.40	73.00	6.06		725.
77	2	23	700	603.7	.387	.268	3.260	.679	1.110	11.50	72.00	6.19		728.
77	2	23	1300	900.3	.402	.249	3.390	.344	1.100	14.60	67.00	6.08		738.
77	2	23	1400	1644.0	.628	.297	3.150	.115	2.040	58.00	51.40	4.62		504.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE	TIME	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	2 24	100 2459.0	1.161	.275	2.930	.242		5.900		344.00	45.30	4.25		441.
77	2 24	750 3288.6	1.580	.202	2.540	.722		4.420		791.00	40.50	3.93		398.
77	2 24	130 4257.8	1.470	.185	2.570	.834		4.630		605.00	41.00	3.94		364.
77	2 24	1900 4479.0	1.511	.150	2.690	.513		9.260		731.00	37.00	3.83		360.
77	2 25	100 4738.0	1.490	.174	2.840	.637		3.000		598.00	37.60	4.00		361.
77	2 25	700 4791.9	1.270	.160	3.110	.490		5.370		564.00	38.90	3.93		368.
77	2 25	1300 4661.8	1.230	.152	3.210	.821		5.120		507.00	41.30	4.06		358.
77	2 25	1500 4724.2	1.170	.147	3.260	.716		2.900		551.00	40.60	4.03		344.
77	2 26	100 5057.9	1.170	.152	3.700	.439		5.620		591.00	45.60	4.59		344.
77	2 26	700 5057.0	1.150	.113	3.340	.426		3.880		527.00	38.00	3.97		338.
77	2 26	1300 5305.2	1.030	.101	3.440	.354		4.130		576.00	37.80	4.07		338.
77	2 26	1900 5305.2	.948	.093	3.660	.317		3.910		441.00	37.80	4.20		340.
77	2 27	100 5073.7	.736	.095	3.810	.204		3.460		400.00	39.70	4.46		351.
77	2 27	750 4469.1	.640	.100	3.950	.694		1.280		310.00	40.10	4.66		368.
77	2 27	1300 4351.0	.575	.119	4.220	.278		2.670		306.00	41.50	4.91		392.
77	2 27	1900 3971.4	.584	.118	4.800	.240		1.280		264.00	43.80	5.23		415.
77	2 28	100 3546.5	.570	.129	4.930	.369		2.950		281.00	47.50	5.18		437.
77	2 28	700 3118.6	.480	.126	5.500	.265		2.740		244.00	48.50	5.61		451.
77	2 28	1300 2739.1	.420	.117	5.640	.300		2.240		141.00	47.00	5.67		449.
77	2 28	1500 2333.6	.383	.121	6.020	.167		1.570		154.00	46.80	5.83		474.
77	2 3	1900 1371.0	.246	.101	5.880	.260		1.460		79.10	48.60	6.04	3.30	499.
77	2 3	1900 1346.4	.204	.090	5.560	.260		1.500		42.00	47.70	5.98	2.40	518.
77	2 3	1900 1360.0	.170	.085	5.360	.278		1.130		31.20	49.40	6.38	1.70	552.
77	2 4	1900 730.0	.193	.086	4.660	.328		.980		38.80	49.30	6.53	2.20	605.
77	2 5	1900 1250.0	.371	.106	7.070	.376		1.740		153.00	53.40	6.52	6.90	550.
77	2 6	1500 1050.0	.240	.104	5.670	.351		1.380		137.00	52.30	6.10	5.90	553.
77	2 7	1500 600.0	.234	.087	6.850	.281		1.740		67.60	51.70	6.30	3.80	546.
77	2 7	1500 600.0	.220	.087	7.210	.213				64.50	50.50	6.48		554.
77	2 8	1500 600.0	.181	.066	6.890	.147				45.40	52.00	6.77		584.
77	2 9	1900 500.0	.180	.060	6.360	.166				37.40	51.90	7.01		627.
77	2 10	1900 470.0	.185	.061		.128				38.60	51.80	7.17		667.
77	2 11	1900 410.0	.13	.054		.111				41.00	51.30	7.30		684.
77	2 12	1400 470.0	.190	.054	4.930	.103				54.50	51.20	7.06		708.
77	2 13	1400 400.0	.205	.050	5.150	.167					51.40	6.88		702.
77	2 14	1300 1350.0	.262	.068	5.900	.120				95.80	57.70	7.57		689.
77	2 14	1500 1350.0	.284	.076	5.300	.050		1.130		121.00	57.10	6.87	4.40	670.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 3 15 1900	900.0	.257	.062	5.440	.105		1.640		111.00	56.80	7.13	4.00	645.
77 3 16 1900	640.0	.235	.046	6.070	.117		1.630		116.00	56.90	7.24	3.80	635.
77 3 17 1900	460.0	.231	.050	5.850	.099		1.440		85.10	55.20	7.13	3.20	657.
77 3 18 100	1500.0	.204	.063	5.750	.122		.730		76.10	54.70	7.05	3.00	664.
77 3 18 700	1500.0	.202	.054	5.260	.090		1.900		79.50	51.90	6.73	3.10	657.
77 3 18 1300	1500.0	.217	.062	4.940	.103		1.330		92.50	50.20	6.24	3.50	640.
77 3 18 1900	1500.0	.723	.071	5.050	.171		3.200		587.00	42.70	5.36	20.00	514.
77 3 19 100	4300.0	1.050	.072	6.360	.277		3.120		748.00	42.00	5.30	27.80	494.
77 3 19 700	4300.0	.976	.072	7.090	.150		3.060		684.00	42.30	5.68	25.70	465.
77 3 19 1300	4300.0	.925	.066	6.860	.154		2.640		645.00	44.20	5.77	23.00	508.
77 3 19 1900	4300.0	.882	.097	6.690	.260		2.210		618.00	42.60	5.59	21.00	494.
77 3 20 100	3400.0	.867	.089	6.930	.171		2.760		557.00	44.10	5.78	21.30	481.
77 3 20 700	3400.0	.810	.080	6.980	.168		2.790		555.00	41.70	5.87	21.00	454.
77 3 20 1300	3400.0	.635	.074	6.890	.170		1.940		397.00	39.40	5.75	16.70	444.
77 3 20 1900	3400.0	.542	.068	7.390	.132		2.080		376.00	40.50	6.19	13.60	467.
77 3 21 100	2500.0	.481	.074	7.450	.175		2.010		260.00	39.10	6.29	11.90	462.
77 3 21 700	2500.0	.444	.069	7.740	.158		1.770		266.00	39.90	6.43	11.30	473.
77 3 21 1001	2500.0	.426	.081	7.900	.156		1.850		232.00	40.60	6.63	10.20	478.
77 3 21 1300	2500.0	.365	.064	8.230	.250				178.00	36.60	7.16	8.90	467.
77 3 21 1900	2500.0	.399	.054	8.280	.051				205.00	37.10	7.97	9.70	484.
77 3 22 100	1800.0	.357	.053	8.220	.026				145.00	37.30	8.55	8.30	494.
77 3 22 700	1800.0	.285	.050	7.980	.085				138.00	37.60	8.11	6.70	506.
77 3 22 1300	1800.0	.337	.051	7.800	.012				173.00	38.60	8.51	7.70	521.
77 3 23 1300	2750.0	.385	.058	7.840	.416				171.00	39.60	7.39	9.60	484.
77 3 24 1300	2900.0	.338	.059	7.710	.069				187.00	37.80	7.87	8.10	471.
77 3 25 1300	1900.0	.277	.049	7.810	.049				130.00	36.80	7.78	6.60	490.
77 3 26 1300	1300.0	.186	.044	7.250	.036				79.30	38.10	8.45	3.90	550.
77 3 27 1300	800.0	.173	.033	6.590	.000				68.60	39.90	7.67	3.20	598.
77 3 28 700	1150.0	.155	.040	5.950	.021				82.10	39.50	7.31	3.00	624.
77 3 28 1200	1150.0	.257	.070	5.370	.051				115.00	27.40	8.73	5.00	606.
77 3 29 100	1800.0	.347	.090	5.850	.029				172.00	28.70	8.18	7.00	575.
77 3 29 700	1800.0	.396	.087	6.540	.050				220.00	28.50	9.27	9.40	543.
77 3 29 1300	1800.0	.394	.091	7.110	.063				194.00	29.30	7.83	8.90	539.
77 3 29 1900	1800.0	.383	.095	7.180	.074				190.00	29.80	8.74	8.30	547.
77 3 30 100	1830.0	.382	.091	6.610	.084				217.00	29.30	7.89	8.10	560.
77 3 30 700	1830.0	.381	.085	6.590	.250				213.00	30.00	8.86	8.20	551.

LAKE E-1E WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE	TIME 2410	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. 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	CUND 25C. UMHO
YR MO DY	HRS.													
77	3	31	1300	1830.0	.379	.093	6.570	.175		205.00	31.30	9.73	8.00	553.
77	3	31	1900	1830.0	.393	.089	6.400	.044		236.00	31.50	8.25	8.20	556.
77	4	31	100	1666.4	.375	.086	6.400	.127		212.00	31.90	7.95	8.00	551.
77	4	31	700	1337.4	.337	.077	6.360	.078		184.00	30.90	9.35	7.40	544.
77	5	31	1500	1182.6	.300	.078	6.430	.143		144.00	30.90	9.07	6.20	544.
77	5	31	1900	1007.3	.272	.068	6.140	.060		120.00	27.30	9.80	5.40	547.
77	4	1	100	861.7	.241	.077	6.330	.061		107.00	30.30	8.98	4.90	554.
77	4	1	700	742.1	.234	.070	6.300	.069		99.80	29.80	9.53	4.60	561.
77	4	1	1300	652.3	.222	.071	6.290	.059		46.70	30.10	10.00	4.10	570.
77	4	1	1900	576.3	.205	.072	6.090	.136		77.70	30.00	9.95	3.70	582.
77	4	2	100	519.7	.204	.074	6.090	.092		80.10	29.90	9.24	3.70	596.
77	4	2	700	508.8	.193	.074	6.040	.070		74.90	30.00	9.62	3.30	600.
77	4	2	1300	567.1	.187	.076	5.910	.068		67.30	30.30	8.55	3.20	605.
77	4	2	1900	1433.3	.260	.076	5.650	.103		135.00	29.90	9.50	5.70	617.
77	4	3	100	2949.0	.974	.096	4.850	.039		742.00	23.90	7.78	27.80	473.
77	4	3	700	3871.3	1.070	.100	5.460	.084		854.00	23.30	8.13	31.00	424.
77	4	3	1300	4070.2	1.040	.105	5.840	.069		774.00	23.60	8.61	28.40	433.
77	4	3	1900	4474.0	.060	.104	6.070	.082		763.00	21.60	9.08	29.40	396.
77	4	4	100	4456.5	.995	.106	6.300	.069		657.00	21.20	9.95	26.10	391.
77	4	4	700	4434.0	.881	.102	5.960	.105		599.00	19.70	10.20	24.20	377.
77	4	4	1300	4607.8	.946	.097	5.580	.329		618.00	17.60	8.60	26.70	353.
77	4	4	1900	4668.7	.898	.095	5.420	.330			17.10	6.82	24.20	364.
77	4	5	100	4761.1	.878	.080	5.360	.154			16.20	6.93	23.90	367.
77	4	5	700	4738.0	.738	.077	5.720	.874			17.10	7.15	19.70	389.
77	4	5	1300	4474.0	.681	.075	6.010	1.080			17.80	7.33	18.10	397.
77	4	5	1900	4150.7	.613	.080	6.120	.210			18.20	7.43	16.10	407.
77	4	6	100	3730.0	.550	.070	6.220	.567			18.90	7.64	14.10	418.
77	4	6	700	3333.0	.481	.078	6.230	.138			19.60	7.74	12.30	434.
77	4	6	1300	2972.6	.428	.081	6.220	.123			20.60	8.02	10.40	451.
77	4	6	1900	2550.0	.372	.073	6.200	1.300			22.00	7.77	8.80	472.
77	4	7	100	2158.4	.316	.066	6.060	1.500			22.80	7.75	7.10	491.
77	4	7	700	1844.4	.290	.075	5.830	.100			23.40	7.91	6.50	508.
77	4	7	1300	1506.4	.282	.075	5.750	.106			25.00	7.50	5.90	525.
77	4	7	1900	1446.3	.264	.077	5.590	.100			25.10	7.34	5.50	527.
77	4	8	100	1116.4	.213	.064	5.420	.102			26.20	7.45	4.10	560.
77	4	8	700	711.6	.180	.058	5.250	.075			27.20	7.12	3.20	589.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE	TIME 2400 YR MO DY 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	SUSPENDED SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77	4 1 1900	576.3	.183	.059	5.030	.084					28.30	6.71	3.40	616.
77	4 1 1300	482.7	.186	.056	4.850	.109					28.20	6.40	3.30	634.
77	4 1 1700	466.3	.188	.059	4.960	.060				77.00	30.30	7.24	3.20	627.
77	4 12 1900	406.8	.213	.076	4.680	.056				64.50	31.40	7.29	2.80	652.
77	4 13 1900	335.2	.200	.050	4.100	.057				74.40	31.00	7.01	2.80	666.
77	4 14 1900	292.4	.189	.043	3.680	.051				68.00	31.50	5.79	2.90	681.
77	4 15 1900	260.3	.179	.037	3.340	.052				47.80	32.30	5.33	2.70	698.
77	4 16 1900	255.0	.174	.022	3.050	.035				66.20	33.80	4.42	2.70	711.
77	4 17 1900	215.6	.190	.013	2.600	.046				63.30	34.20	3.88	2.90	726.
77	4 18 1900	198.1	.185	.015	2.300	.018				67.50	33.60	4.05	2.70	728.
77	4 18 1900	191.7	.167	.048	2.610	.022				58.20	35.60	5.13	2.70	729.
77	4 19 1900	187.4	.096	.063	2.240	.043				76.00	35.80	5.09	.90	742.
77	4 21 1900	175.2	.135	.047	1.870	.058				63.70	36.50	4.17	1.70	739.
77	4 21 1900	260.0	.155	.036	1.520	.122				59.80	36.70	3.44	2.20	752.
77	4 22 1900	450.0	.173	.061	1.260	.111				71.90	36.40	3.10	2.60	761.
77	4 23 1900	740.0	.260	.064	1.070	.113				124.00	36.20	3.46	4.30	749.
77	4 24 1900	1200.0	.277	.059	1.260	.095				131.00	36.10	3.84	4.70	738.
77	4 24 700	1200.0	.314	.087	2.690	.115				121.00	36.00	5.86	4.80	673.
77	4 24 1300	1200.0	.299	.084	3.280	.167				126.00	39.00	6.44	4.50	685.
77	4 24 1900	1200.0	.276	.101	3.900	.163				121.00	46.30	7.07	3.50	684.
77	4 25 100	1250.0	.297	.092	3.710	.215				104.00	44.10	6.90	3.90	669.
77	4 25 700	1250.0	.304	.025	4.690	.022				102.00	70.90	6.92	4.00	640.
77	4 25 1300	1250.0	.296	.092	5.110	.110				90.70	41.30	8.00	3.80	630.
77	4 25 1900	1250.0	.266	.091	5.060	.181				103.00	36.90	6.53	3.60	622.
77	4 26 1900	1150.0	.210	.077	5.760	.085				101.00	35.70	7.31	2.70	623.
77	4 27 1900	840.0	.241	.076	5.620	.424				99.00	35.90	6.33	3.80	618.
77	4 28 1900	700.0	.213	.066	6.120	.135				80.30	35.60	6.42	3.50	629.
77	4 29 1900	534.6	.206	.065	5.390	.099				74.40	35.40	6.02	3.40	648.
77	4 3 1900	454.7	.194	.069	5.030	.195				52.10	35.90	6.17	2.60	659.
77	5 1 1900	413.5	.196	.061	4.820	.071				77.50	35.70	6.50	3.10	667.
77	5 1 1400	347.4	.197	.060	4.620	.053				89.90	35.00	5.62	3.40	668.
77	5 2 1900	390.5	.233	.079	5.290	.037		1.030		70.50	34.30	4.99	3.70	635.
77	5 3 1900	374.7	.231	.080	5.650	.044		1.380		85.80	33.10	3.51	4.00	633.
77	5 4 1900	1246.0	.554	.096	5.520	.040		2.290		274.00	31.10	5.15	12.30	532.
77	5 5 1900	2170.2	.848	.090	7.150	.042		3.170		564.00	31.00	6.04	20.00	523.
77	5 6 1900	2333.6	.834	.091	7.420	.049		3.370		512.00	31.10	6.41	19.10	514.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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
YR	MO	DAY	HR	MIN	SEC	MIN	SEC	MIN	SEC	MIN	SEC	MIN	SEC	MIN
77	5	5	1900	2453.0	.872	.091	7.450	.050	3.430	527.00	30.90	6.47	19.60	525.
77	5	6	1900	2637.2	.850	.095	7.580	.052	3.260	534.00	30.50	6.67	18.60	496.
77	5	6	1900	2662.4	.806	.088	7.520	.055	3.250	454.00	31.00	6.80	17.80	497.
77	5	6	1900	2507.3	.819	.086	7.020	.058	2.200	427.00	31.30	6.63	16.50	500.
77	5	6	1900	2304.1	.749	.103	7.100	.057	6.820	401.00	31.20	6.71	14.60	489.
77	5	7	1900	2118.9	.629	.093	7.470	.048	2.740	326.00	30.80	6.98	13.40	480.
77	5	7	1900	1918.5	.554	.101	8.400	.045	2.750	275.00	29.70	7.71	12.30	493.
77	5	7	1900	1672.0	.531	.104	7.510	.053	3.020	257.00	30.70	7.10	11.60	506.
77	5	7	1900	1402.5	.408	.103	7.850	.056	2.080	192.00	30.50	7.69	8.30	519.
77	5	8	1900	1173.3	.384	.104	7.400	.053	2.200	141.00	31.30	7.33	7.10	529.
77	5	8	1900	1002.8	.335	.104	7.050	.062	1.750	118.00	31.40	6.93	6.20	547.
77	5	8	1900	861.7	.314	.104	7.100	.053	1.540	114.00	31.10	7.23	5.60	546.
77	5	9	1900	746.5	.332	.105	7.160	.062	2.440	136.00	31.50	7.53	6.00	565.
77	5	9	1900	652.3	.278	.104	7.010	.052	2.150	99.80	31.70	7.37	4.80	583.
77	5	9	1900	594.0	.294	.105	7.030	.061	1.550	106.00	31.90	7.59	5.20	588.
77	5	9	1900	523.4	.286	.101	6.840	.055	1.460	117.00	31.90	7.59	5.00	601.
77	5	9	1900		.278	.071	4.510	.048		120.00	31.00	5.34	4.70	629.
77	5	10	1900	67.4	.403	.045	.860	.154		146.00	43.70	1.57	5.00	808.
77	5	10	1900	58.0	.362	.031	.800	.109		77.10	41.80	1.60	3.70	802.
77	5	10	1900	56.6	.291	.039	.740	.090		81.00	42.30	1.88	3.70	794.
77	5	10	1900	53.8	.328	.041	.930	.112		97.00	43.10	1.64	4.10	883.
77	5	10	1900	52.4	.322	.037	.900	.112		98.80	43.30	2.00	4.10	799.
77	5	10	1900	55.2	.336	.016	.690	.114		107.00	43.80	1.94	4.80	795.
77	5	10	1900	45.0	.418	.032	.570	.327	2.100	124.00	43.50	3.43	5.00	833.
77	5	10	1900	49.0	.380	.219	1.910	.557	1.210	150.00	47.90	2.82	4.90	824.
77	5	10	1900	45.0	.261	.182	1.390	.274		188.00	46.20	2.55	6.30	834.
77	5	10	1900	45.5	.271	.157	1.750	.259		308.00	46.20	3.03	9.80	839.
77	5	10	1900	56.6	.291	.202	1.570	.410		349.00	45.40	2.92	12.00	850.
77	5	10	1900	77.0	.410	.185	1.330	.447		306.00	45.40	2.78	10.70	864.
77	5	10	1900	68.5	.630	.259	1.890	.677		293.00	47.10	3.24	10.80	885.
77	5	10	1900	70.0	.601	.151	1.370	.373		314.00	44.90	3.16	9.90	900.
77	5	10	1900	73.8	.190		1.960	.424	1.770	260.00	46.50	2.50	9.50	905.
77	5	10	1900	75.1	.787	.237	1.560	1.100	2.920	253.00	44.20	3.57	9.70	902.
77	5	10	1900	75.1	1.230	.243	1.890	.035		410.00	43.60	5.40	17.50	911.
77	5	10	1900	73.8	1.180	.223	1.860	.019		397.00	43.70	4.50	17.10	916.
77	5	10	1900	72.6	1.120	.233	1.750	.025		377.00	43.60	4.11	15.70	923.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

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
77	6 14 1900	71.3	1.270	.212	1.180	.192				402.00	45.70	3.20	18.10	933.
77	6 15 100	68.8	1.260	.208	1.160	.184				419.00	44.80	4.38	18.80	936.
77	6 15 700	65.0	1.300	.194	.990	.165				479.00	45.30	3.81	19.90	943.
77	6 15 1300	62.2	1.230	.192	.980	.475				436.00	46.30	2.89	18.50	933.
77	6 15 1900	60.8	1.250	.205	1.220	.091				409.00	45.90	3.64	17.90	943.
77	6 16 100	59.4	.972	.179	1.160	.036				217.00	45.70	2.27	13.80	946.
77	6 16 700	58.0	1.240	.195	1.030	.047				446.00	45.50	2.48	17.90	933.
77	6 16 1300	58.0	.951	.179	1.030	.126				307.00	46.20	2.03	12.60	935.
77	6 16 1900	56.6	1.790	.191	.840	.430				376.00	46.20	2.83	16.60	924.
77	6 17 100	55.2	1.060	.174	1.040	.103				327.00	46.30	3.37	15.40	914.
77	6 17 700	56.6	1.650	.188	.460	.500				563.00	46.30	3.85	24.50	928.
77	6 17 1300	56.6	1.310	.163	.580	.326				535.00	45.80	3.26	20.20	935.
77	6 17 1900	56.6	1.160	.177	.600	.322				360.00	46.10	2.98	16.10	940.
77	6 18 100	88.2	1.130	.161	.440	.411				375.00	46.30	2.40	15.50	918.
77	6 18 700	255.0	1.090	.176	.630	.347				364.00	46.30	2.65	14.40	916.
77	6 18 1300	238.5	1.180	.170	.580	.260				379.00	47.20	3.07	15.90	921.
77	6 18 1900	202.4	1.760	.180	.420	.401				569.00	47.00	2.97	25.30	926.
77	6 19 100	167.0	2.000	.183	.280	.499				667.00	47.60	1.88	28.50	928.
77	6 19 700	129.2	2.000	.183	.210	.790				554.00	47.80	1.35	24.50	934.
77	6 19 1300	108.8	2.000	.161	.150	.503				571.00	47.90	1.36	26.00	945.
77	6 19 1900	103.8	2.000	.166	.160	.499				803.00	48.50	2.12	34.20	956.
77	6 20 100	96.0	2.000	.122	.090	.994				668.00	49.60	.94	31.00	957.
77	6 20 700	92.1	1.850	.112	.130	.227				613.00	50.40	2.38	26.40	953.
77	6 20 1300	88.2	1.650	.110	.240	.352		6.090		507.00	49.90	3.72	23.60	949.
77	6 20 1900	81.6	.341		2.790	1.180				56.70	53.50	3.49	1.90	891.
77	6 21 1900	63.6	.239		3.830	1.410				48.20	53.80	3.85	1.60	790.
77	6 22 1900	53.8	.230		4.660	.760				42.80	49.00	3.75	1.50	774.
77	6 23 1900	51.0	.190		4.570	1.160				38.20	50.10	3.77	1.40	762.
77	6 24 1900	48.7	.197		4.340	1.260				30.10	51.00	3.76	1.20	769.
77	6 25 1900	48.7	.474	.258	4.450	1.270				102.00	47.00	3.88	2.50	758.
77	6 26 1900	46.4	.201	.195	4.750	.676				51.40	45.20	4.02	2.20	733.
77	6 27 1300	44.1	.181	.047	5.260	.321				39.90	40.60	5.17	1.70	732.
77	6 27 1900	43.0	.202	.081	5.960	.040				88.10	41.50	5.44	2.30	717.
77	6 28 1900	40.7	.178	.072	5.310	.078				75.20	40.90	5.39	2.20	714.
77	6 29 1900	40.7	.193	.073	4.610	.048				103.00	41.30	5.35	2.30	742.
77	6 30 1900	40.9	.173	.054	3.700	.044				71.00	42.10	4.06	2.10	748.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE YR MO DY	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	7	1	100	46.3	.177	.054	3.650	.167		69.20	41.10	4.77	2.40	737.
77	7	1	700	107.1	.241	.068	3.550	.176		83.80	40.80	4.59	3.20	753.
77	7	1	1300	890.6	.381	.101	1.120	.085		132.00	47.50	2.77	5.60	819.
77	7	1	1900	1589.0	1.411	.085	4.990	.325		1063.00	37.30	4.18	44.70	663.
77	7	2	100	1754.4	2.000	.076	7.270	.494		2176.00	23.90	4.87	91.70	431.
77	7	2	700	1946.0	2.000	.072	10.300	.240		2012.00	25.90	6.08	80.80	469.
77	7	2	1300	1837.4	2.000	.085	8.230	.153		1877.00	22.70	5.49	75.80	435.
77	7	2	1900	1583.5	2.000	.090	8.250	.200		1787.00	24.40	5.35	71.50	430.
77	7	3	100	1331.1	1.540	.107	9.540	.208		1334.00	23.20	5.50	54.00	410.
77	7	3	700	1135.7	1.400	.075	10.900	.136		1144.00	22.10	6.13	48.30	541.
77	7	3	1300	954.4	1.030	.075	12.200	.111		768.00	24.00	6.67	33.70	579.
77	7	3	1900	759.7	.857	.077	13.100	.168		633.00	25.90	7.57	27.50	764.
77	7	4	100	603.7	.722	.071	12.900	.185		612.00	27.90	7.26	22.00	498.
77	7	4	700	494.5	.620	.065	11.700	.176		442.00	29.10	7.28	19.40	500.
77	7	4	1300	434.0	.701	.108	11.800	.039	2.670	461.00	29.10	8.10	16.70	529.
77	7	4	1900	377.9	.525	.098	12.100	.026		338.00	29.40	8.08	13.60	519.
77	7	5	100	320.7	.484	.090	12.700	.033		300.00	29.20	7.87	12.70	517.
77	7	5	700	284.1	.501	.088	12.700	.030		312.00	28.90	8.17	13.50	520.
77	7	5	1300	252.6	.452	.088	13.000	.056		279.00	28.50	8.27	11.40	522.
77	7	5	1900	240.3	.428	.084	12.600	.034		231.00	28.10	8.27	10.70	527.
77	7	6	100	412.3	.405	.083	12.700	.055		222.00	28.20	8.63	9.90	534.
77	7	6	700	400.0	.415	.084	12.100	.061		260.00	28.20	8.86	10.00	550.
77	7	6	1300	457.0	.461	.088	11.100	.055		296.00	28.90	9.27	10.90	574.
77	7	6	1900	553.2	.500	.082	10.400	.034		401.00	27.30	8.46	16.10	482.
77	7	7	100	555.7	.538	.084	10.800	.055		359.00	37.70	8.52	14.10	532.
77	7	7	700	527.2	.406	.093	11.600	.034		300.00	30.10	8.90	11.10	617.
77	7	7	1300	457.0	.454	.096	11.100	.034		265.00	31.30	9.16	9.60	623.
77	7	7	1900	406.8	.484	.127	9.150	.041		216.00	34.60	9.30	8.70	616.
77	7	8	100	353.3	.510	.127	8.250	.040		258.00	34.60	8.29	9.80	481.
77	7	8	700	306.3	.484	.104	8.740	.033		259.00	31.60	8.47	10.00	537.
77	7	8	1300	255.2	.477	.096	7.910	.034		267.00	29.60	8.74	10.60	519.
77	7	8	1900	400.0	.414	.091	8.390	.047		223.00	27.90	8.55	8.90	509.
77	7	9	100	394.2	.474	.088	9.060	.036		296.00	27.60	8.02	11.20	481.
77	7	9	700	314.9	.470	.083	9.060	.038		282.00	26.80	8.28	11.10	473.
77	7	9	1300	240.3	.437	.079	9.160	.059		261.00	26.70	8.88	10.20	461.
77	7	9	1900	217.8	.437	.083	9.360	.038		214.00	26.40	8.79	10.20	467.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR MEXICO, OHIO

USGS NO. 04197000

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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. UMMO
YR MO DY	HRS.													
77	7	10	100	229.1	.462	.085	9.790	.070		258.00	27.30	8.34	11.10	453.
77	7	10	700	289.6	.547	.083	9.820	.075		354.00	27.50	8.35	14.30	439.
77	7	10	1300	298.0	.504	.083	9.396	.106		292.00	26.70	8.39	12.10	454.
77	7	10	1900	260.3	.447	.077	9.200	.056		216.00	28.00	8.30	10.00	476.
77	7	11	100	220.1	.414		9.390	.054		192.00	27.90	8.30	8.70	476.
77	7	11	700	187.4	.414		8.777	.045	1.660	208.00	28.30	8.94	8.70	535.
77	7	11	1300	167.0	.244	.333	6.340	.334		199.00	33.80	11.30	7.60	550.
77	7	12	1300	175.4	.238		5.620	.384		93.90	36.50	11.80	4.70	580.
77	7	13	1300	68.2	.192		6.130	.217		68.70	34.30	12.00	3.10	598.
77	7	14	1300	65.2	.130		5.750	.237		72.00	34.80	12.10	2.60	600.
77	7	15	1300	60.0	.131		5.080	.377		47.80	35.10	11.40	1.60	595.
77	7	16	1300	52.0	.132		4.450	.377		48.90	35.60	10.80	1.40	566.
77	7	17	1300	51.0	.137		4.240	.344		41.20	35.70	10.20	1.40	579.
77	7	18	700	102.0	.197	.173	3.910	.205		99.30	34.40	10.80	3.50	588.

EAST BRANCH WOLF CREEK
NEAR
BETTSVILLE, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE YR MO DAY	TIME 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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	1 29 1800		.226	.077	2.900	.250				40.70	22.00			441.
76	1 29 2400	13.4	.210	.081	2.900	.250				31.50	23.00			446.
76	1 29 600	242.7	.196	.082	3.000	.250				23.30	24.00			448.
76	1 29 1200	143.5	.203	.090	2.900	.250				21.30	23.00			468.
76	1 29 1800	107.9	.111	.090	3.000	.210				13.88	24.00			482.
76	1 29 2400	73.2	.169	.070	3.000	.170				15.50	25.00			497.
76	1 30 600	88.5	.183	.070	3.000	.220				19.60	26.00			522.
76	1 30 1200	160.7	.167	.070	3.000	.220				17.80	27.00			537.
76	1 30 1800	73.0	.163	.070	3.000	.210				23.90	27.00			539.
76	1 30 2400	48.3	.156	.070	3.000	.200				8.90	27.00			558.
76	1 31 600	73.2	.145	.070	3.000	.210				12.20	28.00			570.
76	1 31 1200	115.3	.149	.070	3.000	.180				13.30	29.00			583.
76	1 31 1800	49.3	.140	.070	3.000	.160				16.40	28.00			587.
76	1 31 2400	45.1	.113	.070	3.000	.160				13.50	29.00			600.
76	2 2 1200	34.8	.141	.070	2.900	.130				5.00	30.00			695.
76	2 2 1800	40.0	.130	.050	3.000	.160				4.70	34.00			717.
76	2 7 1200	16.6	.140	.050	2.900	.120				6.50	35.00			803.
76	2 7 1800	16.9	.123	.050	2.900	.120				5.80	35.00			806.
76	2 7 2400	16.4	.111	.050	2.900	.150				2.70	35.00			814.
76	2 8 1300	24.1	.117	.050	2.600	.130				5.10	37.00			815.
76	2 8 1700	19.4	.103	.050	2.600	.140				5.70	36.00			817.
76	2 8 1900	15.0	.060	.060	.500	.340				10.80	29.00			788.
76	2 9 2400	15.8	.250	.250	.500	.340				13.50	19.00			794.
76	2 10 600	15.8	.050	.250	.000	.350				13.20	13.00			797.
76	2 10 1200	15.4	.250	.250	.500	.350					23.00			802.
76	2 11 1800	12.7	.240	.240	.600	.330				13.50	17.00			765.
76	2 11 2400	12.7	.330	.170	1.500	.270				67.70	26.00			573.
76	2 12 600	616.8	.011	.150	2.200	.220				117.00	61.00			424.
76	2 12 1200	735.5	.600	.140	1.800	.250					55.00			347.
76	2 12 1800	1035.5	.573	.140	2.000	.190				207.00	71.00			262.
76	2 12 2400	1247.1	.577	.140	2.200	.150				135.00	86.00			229.
76	2 13 600	1086.1	.490	.140	2.200	.140				106.00	74.00			225.
76	2 13 1200	720.7	.433	.180	1.800	.150				85.50	43.00			249.
76	2 13 1800	420.5	.434	.160	2.100	.150				76.10	59.00			292.
76	2 14 600	42.8	.375	.190	1.900	.170				68.90	147.00			330.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	HRS.											
76	2	14	1200	395.0	.324	.200	1.500	.170		65.10	36.00			355.
76	2	14	1800	255.3		.200	1.300	.160		64.00	31.00			
76	2	14	2400	192.0	.373	.200	1.300	.170		114.00	31.00			350.
76	2	15	600	179.3	.371	.200	1.400	.160		102.00	48.00			345.
76	2	15	1200	167.2	.338	.210	1.200	.150		89.40	17.00			342.
76	2	15	1800	169.6	.351	.230	1.300	.160		60.20	71.00			343.
76	2	15	2400	219.2	.315	.240	1.200	.160		91.40	33.00			355.
76	2	16	600	338.7	.295	.240	1.200	.160		92.50	29.00			372.
76	2	16	1300	472.1	.260	.040	3.300	1.000		137.00	22.00			445.
76	2	16	1900	868.1	.506	.080	3.100	.270		461.00	20.00			396.
76	2	17	100	1282.6	.911	.080	3.100	.470		735.00	18.00			334.
76	2	17	700	2096.3	1.040	.070	2.900	.830		787.00	16.00			277.
76	2	17	1300	2755.5	1.260	.060	2.900	1.000		1042.00	15.00			245.
76	2	18	1300	992.4	1.340	.060	2.700	1.000		1115.00	13.00			228.
76	2	18	1900	741.3	1.160	.060	2.800	.340		954.00	13.00			239.
76	2	19	100	616.8	.755	.060	3.300	.250		594.00	15.00			282.
76	2	19	700	576.9	.590	.070	4.000	.380		335.00	18.00			342.
76	2	19	1300	561.9	.296	.050	5.000	.140		144.00	23.00			446.
76	2	19	1900	482.0	.281	.050	5.000	.120		132.00	23.00			450.
76	2	20	100	404.1	.312	.050	5.200	.520		140.00	24.00			453.
76	2	20	700	546.4	.263	.050	5.200	.120		121.00	24.00			464.
76	2	20	1300	505.3	.242	.050	5.100	.110		105.00	24.00			482.
76	2	20	1900	271.0	.193	.040	5.300	1.000		93.20	25.00			491.
76	2	21	100	258.4	.194	.040	5.200	1.000		81.70	25.00			513.
76	2	21	700	245.8	.194	.040	5.200	1.000		75.70	26.00			524.
76	2	21	1900	359.8	.184	.050	5.000	1.000		65.50	26.00			546.
76	2	22	100	611.8	.172	.040	5.200	.190		58.80	27.00			557.
76	2	22	700	702.0	.188	.030	5.000	1.130		75.70	28.00			581.
76	2	22	1300	690.9	.173	.040	5.100	1.000		70.70	28.00			596.
76	2	22	1900	541.8	.289	.030	5.000	.090		176.00	27.00			536.
76	2	23	100	444.3	.367	.040	5.300	1.000		267.00	27.00			495.
76	2	23	700	354.4	.376	.040	5.300	.480		212.00	26.00			409.
76	2	23	1300	298.4		.050	5.600	.100	2.380	41.30	28.00			535.
76	2	24	1300	160.0		.050	5.400	.100	1.460	22.10	29.00			602.
76	2	25	1300	123.7		.050	5.100	.090	1.480	6.00	30.00			642.
76	2	26	1300	45.1		.050	4.900	.080	1.210	6.00	31.00			663.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANLUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SIO2	IRON	COND 25C. UNMO
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	
76	2	27	1300	71.7	.040	4.700	.090	4.300		8.00	31.00			670.
76	2	28	1300	56.1						8.00	31.00			679.
76	2	28	1900	54.0	.050	4.400	.060	.820						
76	2	29	1300	42.0	.040	4.300	.060	2.470		17.50	34.00			707.
76	3	1	700	41.1	.040	4.100	.050	1.210		20.30	32.00			711.
76	3	1	1300	41.1	.099	4.500	.240				23.00			663.
76	3	2	1300	30.0	.091	3.800	.140			18.50	23.00			670.
76	3	3	1300	48.3	.092	3.700	.050			15.50	23.00			692.
76	3	3	1900	210.5	.109	3.700	.060			19.00	26.00			746.
76	3	4	100	298.4	.106	3.500	.320			24.70	26.00			734.
76	3	4	700	487.0	.114	3.500	.040			28.00	23.00			736.
76	3	4	1300	842.8	.359	3.300	.040			221.00	22.00			711.
76	3	4	1000	1098.7	.523	3.200	.100			366.00	18.00			623.
76	3	5	100	1369.4	.576	3.200	.050			325.00	17.00			579.
76	3	5	700	1505.8	.824	2.700	.110			563.00	13.00			447.
76	3	5	1300	1725.6	.933	3.100	.080			658.00	15.00			437.
76	3	5	1900	992.4	.810	3.700	.080			506.00	11.00			346.
76	3	6	100	642.9	.660	3.800	.060			396.00	10.00			324.
76	3	6	700	616.8	.509	3.900	.060			172.00	10.00			343.
76	3	6	1900	453.5	.481	4.100	.040			205.00	11.00			375.
76	3	7	100	382.5	.487	4.200	.040			190.00	12.00			389.
76	3	7	700	207.9	.506	4.100	.060			183.00	12.00			401.
76	3	7	1300	207.9	.419	4.000	.040			146.00	13.00			435.
76	3	7	1900	237.9	.331	4.000	.070			103.00	12.00			473.
76	3	8	100	100.0	.277	4.100	.030			85.50	14.00			501.
76	3	8	700	170.0	.234	4.300	.010			96.70	14.00			519.
76	3	8	1140	100.0	.137	4.400	.080	.760		43.80	31.00		.90	592.
76	3	9	1140	67.0	.112	4.300	.110	.130		29.80	32.00		1.60	619.
76	3	10	1140	53.6	.097	4.100	.120	.070		16.60	33.00		3.60	641.
76	3	11	1140	53.6	.085	3.900	.030	.170		17.70	34.00		2.10	665.
76	3	12	1140	48.3	.079	3.800	.100	.590		16.70	35.00		1.60	692.
76	3	13	640	48.3	.075	3.700	.080	.440		21.30	36.00		1.10	702.
76	3	14	1140	44.0	.075	3.500	.070	1.040		14.40	37.00		.90	711.
76	3	15	1140	33.0	.086	3.500	.150	.710		13.30	41.00		1.10	725.
76	3	15	1300	34.9	.077	3.400	.100	.710		11.60	34.00			722.
76	3	16	1300	30.8	.097	3.200	.070	.700		11.30	34.00			732.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR SETTSVILLE, OHIO

USGS NO. 04197450

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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	3 17 1300	30.8	.101	.070	3.100	.050		.650		13.20	33.00			735.
76	3 18 1300	30.8	.098	.060	2.900	.060		.750		7.70	34.00			733.
76	3 19 1300	34.8	.078	.050	2.800	.040		.720		11.20	37.00			745.
76	3 20 700	52.5	.086	.040	2.800	.010		.820		24.50	44.00			769.
76	3 21 1300	62.3	.090	.030	2.700	.010		.840		12.60	35.00			724.
76	3 22 700	104.1	.132	.060	3.000	.050		1.050		23.20	37.00			710.
76	3 24 1445	74.6	.202	.030	2.900	.120				55.60	32.00			645.
76	3 25 645	56.1	.113	.020	3.000	.200				48.90	33.00			651.
76	3 25 2245	34.8	.110	.020	2.900	.060				1.50	32.00			672.
76	3 26 1445	33.1	.095	.020	2.600	.040				32.40	32.00			665.
76	3 27 645	26.2	.085	.040	2.400	.040				43.80	32.00			688.
76	3 27 2245	26.2	.080	.080	2.300	.080				39.40	32.00			694.
76	3 28 1445	24.9	.100	.100	2.000	.100				36.50	33.00			696.
76	3 29 245	21.8	.073	.020	2.000	.020				33.20	33.00			706.
76	3 29 1125	20.5	.104	.020	2.200	.030				21.60	33.00			711.
76	3 29 2325	20.5	.083	.020	2.100	.020				23.60	38.00			745.
76	3 30 1125	20.5	.110	.020	1.900	.030				31.00	36.00			736.
76	3 30 2325	18.9	.102	.030	1.850	.040				35.00	36.00			748.
76	3 31 1125	18.9	.108	.020	1.750	.030				40.90	37.00			742.
76	3 31 2325	18.9	.087	.020	1.700	.020				22.00	36.00			762.
76	4 1 1125	18.9	.098	.030	1.650	.010				22.60	42.00			790.
76	4 1 1300	18.9	.064	.030	1.600	.070				27.10	35.00			744.
76	4 1 2025	18.9	.101	.035	1.700	.020				23.30	35.00			757.
76	4 6 1300	23.1	.050	.030	1.600	.060				22.70	37.00			754.
76	4 7 1300	19.9	.055	.030	1.600	.070				22.80	41.00			767.
76	4 8 1300	16.8	.065	.040	1.500	.080				19.20	40.00			763.
76	4 9 1300	15.3	.051	.040	1.400	.070				12.30	39.00			753.
76	4 10 1300	14.4	.040	.040	1.300	.050				11.40	40.00			756.
76	4 11 1300	13.5	.058	.040	1.200	.040				11.90	44.00			771.
76	4 12 700	13.5	.057	.040	1.300	.090				13.90	39.00			768.
76	4 12 1300	13.0	.089	.050	1.000	.170				9.90	36.00			761.
76	4 13 1300	12.6	.067	.030	1.000	.420				7.60	39.00			769.
76	4 14 1300	11.7	.083	.040	.900	.200				12.70	38.00			777.
76	4 15 1300	11.7	.080	.030	.800	.140				17.30	36.00			767.
76	4 16 1300	11.7	.097	.020	.700	.160				28.40	39.00			777.
76	4 17 1300	10.8	.084	.010	.500	.600				10.70	37.00			770.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLE TIME DATE 2400 YR MO DY 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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 4 18 1300	8.0	.089		.200	.130				16.30	36.00			743.
76 4 19 700	8.6	.089		.100	.100				17.10	37.00			751.
76 4 19 1300	9.2	.105	.040	.500	.230				11.20	37.00			717.
76 4 21 1300	9.8	.090	.040	.300	.260				18.10	39.00			725.
76 4 21 1300	10.4	.092	.040	.300	.290				17.00	40.00			744.
76 4 22 1300	11.7	.091	.030	.300	.190				20.00	39.00			763.
76 4 23 1300	15.3	.091	.030	.400	.170				22.80	43.00			811.
76 4 24 1300	12.0	.087	.020	.400	.160				20.90	39.00			769.
76 4 25 1300	16.8	.097	.020	.400	.100				25.10	40.00			789.
76 4 26 700	22.4	.086	.020	.600	.110				21.60	46.00			847.
76 4 26 1300	22.4	.054	.030	.900	.070				16.80	49.00		1.41	817.
76 4 27 1300	23.1	.078	.040	1.100	.100				9.20	48.00		1.64	801.
76 4 28 1300	21.0	.060	.020	.900	.090				6.70	47.00		1.04	762.
76 4 29 1300	18.4	.025	.020	.700	.110				7.50	48.00		.83	764.
76 5 1 1300	19.4	.035	.010	.500	.110				17.00	45.00		.91	735.
76 5 11 1300	19.0	.115	.050	3.000					21.60	50.00			711.
76 5 12 1300	17.9	.108	.060	3.000	.040				20.50	48.00			726.
76 5 13 1300	15.3	.115	.030	2.500					24.00	49.00			760.
76 5 14 1300	13.4	.108	.030	2.200					32.50	53.00			750.
76 5 15 1300	14.8	.121	.030	1.900					24.80	59.00			761.
76 5 16 1300	14.8	.118	.020	1.500					20.70	58.00			787.
76 5 17 700	16.8	.133	.030	1.400					29.80	59.00			774.
76 5 17 1300	16.8	.133	.040	2.800	.010				41.30	56.00			764.
76 5 17 1900	67.6	.226	.050	1.700	.110				37.20	45.00			750.
76 5 17 1900	67.6	.226	.050	1.700	.110				108.00	47.00			744.
76 5 18 1300	161.7	.98	.110	5.800	.140				670.00	40.00			676.
76 5 19 1300	1364.4	1.160	.140	13.200	.150				599.00	25.00			459.
76 5 19 1300	1362.1	.296	.120	13.600	.090				700.00	23.00			415.
76 5 21 1300	145.8	.182	.080	14.700	.070				75.20	33.00			640.
76 5 21 1300	80.3	.151	.060	12.400	.080				45.30	35.00			693.
76 5 22 1300	52.5	.134	.050	10.500	.040				35.90	34.00			708.
76 5 23 1300	34.0	.124	.040	9.300	.050				47.60	36.00			736.
76 5 24 700	27.7	.120	.040	8.300	.030				34.40	34.00			737.
76 5 24 1145	29.3	.145	.030	6.900	.100				37.90	34.00			748.
76 5 25 1130	24.7	.088	.025	6.300	.045				40.10				756.
									37.80				764.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NP-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
76 5 26 1130	19.4	.073	.025	5.800	.560				32.50				771.
76 5 27 1130	16.3	.067	.020	4.700	.051				30.50				768.
76 5 28 1130	14.8	.064	.015	4.700	.110				29.60				774.
76 5 29 1130	13.5	.064	.012	4.000	.140				28.40				778.
76 5 31 1130	13.5	.059		3.600	.210				27.40				774.
76 5 31 530	16.3	.068		3.200	.011				30.40				803.
76 5 31 1300	16.3	.496	.030	3.130	.050				44.30	43.00			812.
76 5 31 1900	16.3	.466	.020	3.070					42.10	45.00			807.
76 6 1 100	15.3	.292	.010	2.880					50.50	45.00			805.
76 6 1 700	15.3	.546	.020	2.770	.010				32.30	44.00			814.
76 6 1 1300	176.9	.120	.120	3.420					313.00	34.00			624.
76 6 1 1900	233.7	.082	.080	5.130					166.00	41.00			758.
76 6 2 100	213.4	.120	.120	6.700					268.00	32.00			605.
76 6 2 700	181.7	.140	.140	10.700	.040				254.00	32.00			624.
76 6 2 1300	145.4	.332	.110	12.200	.040				154.00	36.00			714.
76 6 2 1900	115.3	.265	.090	13.600					97.20	40.00			785.
76 6 3 100	40.3	.232	.070	14.100					107.00	42.00			813.
76 6 3 700	78.9	.209	.070	13.800					89.50	42.00			827.
76 6 3 1300	68.0	.191	.070	12.300					81.10	42.00			818.
76 6 3 1900	57.3	.175	.060	10.000					73.10	41.00			819.
76 6 4 100	49.3	.174	.050	9.890					69.50	41.00			816.
76 6 4 700	42.0	.165	.050	9.010					66.40	42.00			819.
76 6 4 1300	37.5	.167	.040	8.470	.010				31.60	41.00			821.
76 6 5 1300	24.9	.226	.110	8.520					58.70	43.00			839.
76 6 6 1300	18.4	.130	.030	7.590					51.60	42.00			849.
76 6 7 700	14.4	.134	.040	6.650					43.10	43.00			860.
76 6 7 1300	14.4	.310	.310	6.300	.070				45.80	44.00			763.
76 6 7 1900	14.4	.085	.060	6.200	.070				35.80	44.00			759.
76 6 8 100	13.9	.120	.060	6.200	.080				55.80	44.00			771.
76 6 8 700	12.6	.392	.040	6.000	.080				31.90	44.00			782.
76 6 8 1300	12.2	.294	.050	5.900	.160				39.50	45.00			775.
76 6 8 1900	12.0	.078	.050	5.700	.110				32.00	45.00			776.
76 6 9 100	12.2	.089	.040	5.600	.120				31.70	46.00			783.
76 6 9 700	10.8	.078	.050	5.500	.130				31.00	46.00			783.
76 6 9 1300	13.4	.075	.050	5.360	.150				31.40	46.00			785.
76 6 9 1900	11.4	.076	.050	5.300	.210				29.20	47.00			779.

Lake Erie Wastewater Management Study - Water Quality Information

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING TIME DATE YR MO DY 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 11 1300	10.4	.067	.040	5.300	.130				23.80	47.00			795.
76 6 11 700	10.1	.071	.040	5.300	.080				34.20	48.00			802.
76 6 11 1300	9.8	.074	.040	5.000	.150				37.20	48.00			785.
76 6 11 1300	9.4	.070	.030	4.400	.240				31.90	52.00			801.
76 6 12 1300	8.0	.088	.030	3.700	.250				36.00	53.00			780.
76 6 13 1300	7.2	.092	.030	2.800	.270				20.30	52.00			762.
76 6 14 700	6.2	.101	.030	2.100	.150				17.90	52.00			741.
76 6 14 1300	5.7	.090	.090	4.000	.130				16.40	56.00		.20	714.
76 6 15 1300	4.9	.080	.080	3.000	.130				14.70	57.00		.20	736.
76 6 16 1300	4.7	.087	.070	4.200	.120				13.10	57.00		.30	749.
76 6 17 1300	4.6	.080	.080	4.200	.100				8.00	58.00		.20	762.
76 6 18 1300	3.0	.074	.060	3.400	.110				6.40	58.00		.30	751.
76 6 17 1300	6.0	.130	.060	2.500	.110				33.90	58.00		.40	731.
76 6 17 1300	24.1	.191	.140	1.400	.090				57.90	61.00		.70	766.
76 6 21 700	22.7	.140	.150	1.500	.060				46.80	64.00		.60	823.
76 6 21 1900	20.0	.201	.090	1.700	.040		2.390		45.00	60.00			
76 6 22 1300	10.0	.170	.060	2.500	.040		1.630		49.30	71.00			
76 6 23 1300	6.0	.172	.070	2.200	.030		1.300		37.30	58.00			
76 6 24 1300	6.0	.164	.060	2.200	.070		1.520		37.70	55.00			
76 6 24 1900	6.0	.197	.080	2.100	.180		1.590		38.20	55.00			
76 6 25 100	22.0	.194	.080	2.500	.140		1.670		54.80	54.00			
76 6 25 700	22.0	.191	.060	3.600	.100		1.590		68.60	53.00			
76 6 25 1300	22.0	.206	.070	4.700	.040		1.650		73.70	55.00			
76 6 25 1300	41.1	.200	.060	4.700	.060		1.590		77.20	51.00			
76 6 26 100	50.4	.220	.060	4.000	.070		2.700		83.90	49.00			
76 6 26 700	15.0	.204	.050	5.000	.080		1.520		83.60	50.00			
76 6 26 1300	54.0	.234	.070	1.200	.070		1.720		92.90	44.00			
76 6 26 1900	44.0	.247	.080	13.100	.060		1.790		97.20	51.00			
76 6 27 100	15.7	.224	.080	10.700	.010		2.100		83.80	55.00			
76 6 27 700	29.3	.221	.070	12.900	.010		2.190		74.80	55.00			
76 6 27 1300	25.4	.227	.090	13.100	.030		2.100		78.90	54.00			
76 6 27 1500	21.0	.227	.070	5.600			2.410		77.70	51.00			
76 6 27 1700	19.4	.210	.080	4.700			2.120		56.00	48.00			
76 6 28 700	17.0	.200	.090	4.200			1.740		49.90	49.00			
76 6 28 1300	16.0	.210	.090	9.000	.090				59.80	47.00			778.
76 6 28 1300	10.0	.190	.060	8.100	.040				49.60	46.00			773.

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CORPS OF ENGINEERS BUFFALO N Y BUFFALO DISTRICT F/O 6/6
WATER QUALITY DATA FOR SAYDUSKY RIVER MATERIAL TRANSPORT STATIO--ETC(U)
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LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE	TIME 24°C	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
YR	MO	DAY	HRS.											
76	6	30	1300	9.8	.165	.050	8.200	.040		43.60	47.00			781.
76	7	1	1000	8.6	.145	.030	7.300	.020		39.00	52.00			821.
76	7	1	1300	7.5	.149	.020	7.500	.010		37.30	52.00			813.
76	7	2	1000	7.5	.147	.020	7.800	.010		42.30	51.00			813.
76	7	2	700	7.0	.139	.020	8.000	.020		34.10	51.00			812.
76	7	2	1000	6.7	.133	.070	7.700	.160	1.000	31.90	57.00			820.
76	7	2	2200	6.7	.123	.030	8.200	.180	1.400	37.30	56.00			801.
76	7	3	1000	6.7	.124	.020	8.500	.150	1.300	36.90	55.00			803.
76	7	3	2200	6.7	.119	.010	8.300	.120	1.400	34.30	55.00			783.
76	7	4	1000	6.5	.122		8.200	.060	1.300	36.70	54.00			788.
76	7	4	2200	6.2	.098		8.300	.020	1.300	39.90	54.00			790.
76	7	5	1000	5.7	.110		8.100	.020	1.500	33.10	53.00			746.
76	7	11	1900	6.5	.114	.020	8.000	.430		22.50	48.00			718.
76	7	12	100	4.0	.090	.010	8.100	.240		25.90	48.00			699.
76	7	12	700	4.0	.111	.010	7.700	.660		20.90	48.00			683.
76	7	12	1300	4.0	.093	.040	1.300	.130		37.00	55.00			718.
76	7	13	100	2.6	.068	.010	2.590	.080		30.80	54.00			737.
76	7	13	1300	2.6	.061		1.830	.330		24.00	57.00			737.
76	7	14	100	1.7	.086	.030	2.210	.150		32.00	57.00			753.
76	7	14	1300	1.7	.074	.010	1.180	.150		23.50	58.00			743.
76	7	15	100	1.7	.082		.990	.110		39.60	58.00			757.
76	7	15	1300	1.7	.073		.560	.130		27.60	60.00			733.
76	7	16	100	1.7	.088		.510	.190		41.70	57.00			689.
76	7	16	1300	2.6	.083		.410	.130		32.00	58.00			691.
76	7	17	100	2.3	.097		.480	.150		36.10	57.00			694.
76	7	17	1300	2.3	.094		.420	.110		31.00	57.00			684.
76	7	18	100	1.7	.122		.600	1.000		38.10	58.00			701.
76	7	18	1300	1.7	.111		.570	.150		29.90	58.00			687.
76	7	19	100	1.0	.117		.620	.570		29.40	58.00			698.
76	7	19	700	1.0	.115		.580	.060		29.20	58.00			686.
76	7	19	1300	1.0	.097	.020	.070	.010		26.90	57.00			680.
76	7	20	100	.8	.065		.040			29.90	57.00			693.
76	7	20	1300	.8	.092		.090			31.10	56.00			688.
76	7	21	100	.8	.117		.080	.010		31.60	57.00			694.
76	7	21	1300	.8	.101		.070			30.10	54.00			662.
76	7	22	100	1.2	.078		.040	.030		39.40	54.00			664.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE	TIME 2000	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
YR	MO	DAY	HRS.											
76	7	22	1300	1.0	.081	.017	.020	.150		28.30	55.00			665.
76	7	23	100	4.5	.082		.040			43.20	52.00			651.
76	7	23	1300	7.2	.134	.010	.030	.320		59.40	51.00			624.
76	7	24	100	6.5	.083		.060	.070		50.80	50.00			640.
76	7	24	1400	45.0	.105		.050	.040		82.10	49.00			631.
76	7	25	100	57.3	.158		.030			88.20	46.00			685.
76	7	25	700	174.7	.158		.040	.020		82.60	42.00			591.
76	7	25	1300	162.4	.168		.300			118.00	55.00			666.
76	7	25	1900	104.1	.314		.320			189.00	36.00			507.
76	7	26	100	73.2	.326	.010	.320			229.00	38.00			520.
76	7	26	700	49.3	.623	.350	.430			161.00	59.00			621.
76	7	26	1300	35.7	.613	.270	5.200	.010		226.00	31.00			423.
76	7	26	1900	27.7	.573	.240	5.600	.010		204.00	24.00			391.
76	7	27	100	22.4	.671	.300	5.700	.050		190.00	22.00			382.
76	7	27	700	18.4	.530	.210	5.500	.020		166.00	21.00			376.
76	7	27	1300	15.3	.502	.200	5.300	.020		172.00	20.00			377.
76	7	27	1900	13.5	.452	.190	5.300	.010		129.00	21.00			380.
76	7	28	100	11.7	.405	.180	5.100	.020		95.30	21.00			381.
76	7	28	700	10.1	.396	.180	5.000	.010		112.00	21.00			388.
76	7	28	1300	10.1	.379	.160	4.800	.020		106.00	21.00			394.
76	7	28	1900	12.2	.339	.160	4.700	.020		81.70	21.00			389.
76	7	29	100	9.5	.317	.160	4.800	.020		73.60	21.00			387.
76	7	29	700	9.2	.313	.150	4.600	.030		77.40	21.00			388.
76	7	29	1300	4.3	.310	.140	4.500	.030		84.30	21.00			393.
76	7	29	1900	7.9	.295	.130	4.400	.040		67.60	22.00			402.
76	7	30	100	7.4	.269	.130	4.300	.020		50.20	22.00			410.
76	7	30	700	7.4	.263	.130	4.300	.030		64.60	22.00			410.
76	7	30	1300	7.7	.263	.110	4.200	.040		59.30	22.00			413.
76	7	30	1900	6.5	.237	.100	4.100	.040		47.10	23.00			419.
76	7	31	100	6.5	.206	.110	4.100	.040		53.90	24.00			428.
76	7	31	700	6.7	.235	.100	4.000	.020		50.70	25.00			430.
76	7	31	1300	5.1	.235	.090	3.900	.020		50.60	25.00			426.
76	7	31	1900	5.5	.216	.080	3.800	.010		44.60	24.00			416.
76	8	1	100	5.5	.207	.080	4.000	.010		49.20	25.00			428.
76	8	1	700	5.5	.215	.070	3.900			49.40	25.00			433.
76	8	1	1300	5.0	.207	.060	3.700			38.80	25.00			430.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING TIME DATE 2400 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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 1 1900	5.5	.179	.050	3.600					39.70	26.00			432.
76 8 2 100	5.7	.178	.060	3.800	.010				37.90	27.00			446.
76 8 2 700	6.2	.183	.050	3.700					37.90	28.00			448.
76 8 9 1900	8.6	.120	.040	1.000	.060				80.50	40.00			504.
76 8 10 700	8.6	.117	.040	1.100	.010				36.00	40.00			533.
76 8 10 1900	7.8	.113	.030	.500	.200				33.20	44.00			504.
76 8 11 700	7.0	.121	.030	.500	.200				28.80	46.00			536.
76 8 11 1900	7.0	.080	.020	.200	.150				108.00	49.00			526.
76 8 12 700	6.5	.087	.020	.200	.150				106.00	55.00			551.
76 8 12 1900	6.9	.083	.010	.100	.130				15.00	57.00			551.
76 8 13 700	19.9	.130	.020	.300	.060				43.00	58.00			545.
76 8 13 1900	20.5	.150	.020	.400	.100				74.20	60.00			581.
76 8 14 1900	19.4	.148	.030	.400	.030				55.80	57.00			648.
76 8 14 700	28.5	.152	.040	.600	.080				71.00	65.00			659.
76 8 15 700	14.8	.155	.040	.500	.020				58.30	52.00			617.
76 8 15 1900	13.5	.166	.040	.700	.010				49.70	47.00			564.
76 8 16 700	9.7	.179	.070	.900	.050				62.50	43.00			546.
76 8 16 1300	9.0	.186	.070	1.000					60.10	42.00			537.
76 8 16 1900	9.0	.120	1.100	.110					36.00	50.00		1.60	556.
76 8 17 1900	5.5		.100	.900	.110				33.90	57.00		1.30	564.
76 8 18 1900	3.8		.100	.900	.140				31.10	61.00		1.10	615.
76 8 19 1900	2.7		.090	.800	.160				24.10	63.00		.80	631.
76 8 20 1900	1.8		.080	.800	.120				19.60	61.00		.70	628.
76 8 21 1900	1.4		.060	.500	.060				18.30	60.00		.60	596.
76 8 22 1900	1.1		.040	.300	.040				16.10	57.00		.50	579.
76 8 23 700	.9		.040	.300	.030				21.70	57.00		.70	599.
76 8 24 1300	.9	.086	.060	.200	.170				19.10	56.00			606.
76 8 24 1300	.7	.097	.050	.200	.180				17.90	58.00			618.
76 8 25 1300	.6	.094	.060	.200	.160				17.80	57.00			626.
76 8 26 1300	.6	.098	.060	.100	.130				18.10	58.00			643.
76 8 27 1300	.4	.102	.060	.100	.120				15.10	58.00			644.
76 8 28 1300	.4	.114	.060	.100	.090				15.30	58.00			675.
76 8 29 1300	.4	.128	.060	.100	.050				18.70	58.00			659.
76 8 30 700	.8	.122	.050	.100	.050				20.90	57.00			679.
76 8 31 1300	.8	.107	.054	.010	.025				20.80	63.10			733.
76 8 31 1700	1.5	.141	.119	.030	.065				24.80	59.10			667.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION #/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 0419745C

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 NITROGEN MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMH0
76 1 1	1300	3.0	.070	.059	.020	.061				13.00	87.80			860.
76 1 2	1300	4.8	.083	.042	.010	.027				14.70	89.00			873.
76 1 3	1300	3.7	.077	.042	.010	.011				12.80	93.00			895.
76 1 4	700	3.7	.077	.051	.010	.008				14.20	95.20			922.
76 1 4	1300	3.7	.083	.040	.030	.141				10.00	90.20			925.
76 1 5	1300	1.4	.080	.035	.030	.107				9.30	91.10			930.
76 1 6	1300	1.1	.085	.037	.020	.074				10.00	89.90			904.
76 1 7	1300	1.1	.099	.044	.020	.063				10.80	89.60			916.
76 1 8	1300	1.0	.092	.036	.030	.045				7.40	89.50			921.
76 1 9	1300	1.1	.081	.037	.030	.035				7.30	87.30			913.
76 1 10	1300	1.4	.080	.038	.030	.016				6.00	86.30			918.
76 1 11	700	1.3	.075	.031	.030	.010				6.00	86.30			924.
76 1 11	1300	1.3	.079	.040	.020	.021				9.60	87.90			908.
76 1 12	1300	1.1	.075	.035	.020	.063				8.80	87.50			912.
76 1 13	1300	1.0	.076	.032	.020	.051				8.80	86.90			909.
76 1 14	1300	.7	.073	.037	.010	.038				7.30	86.40			914.
76 1 15	1300	.8	.078	.031	.020	.010				8.10	85.20			909.
76 1 16	1300	.8	.077	.028	.030	.007				7.10	85.80			920.
76 1 17	1300	.7	.079	.034	.020	.023				7.60	86.00			923.
76 1 18	700	.7	.075	.029	.010					6.80	85.70			925.
76 1 19	1300	.7	.069	.060		.078				6.70	88.80			905.
76 1 19	1300	.7	.078	.060		.092				6.10	88.40			899.
76 1 20	1300	.7	.090	.043		.030				7.90	86.60			862.
76 1 21	1300	.9	.092	.047		.028				9.30	86.60			868.
76 1 22	1300	1.4	.083	.042		.118				7.40	86.20			861.
76 1 23	1300	1.7	.079	.047		.006				7.60	85.10			847.
76 1 24	1300	2.4	.094	.045						7.30	83.00			848.
76 1 24	700	3.7	.078	.041		.017				6.50	83.00			821.
76 1 25	1300	3.7	.081	.014	.010	.027				6.10	77.00	4.20		796.
76 1 26	1300	3.7	.074		.040	.015				6.40	81.20	3.30		813.
76 1 27	1300	3.7	.080	.009	.010	.028				4.50	80.50	3.60		818.
76 1 28	1300	3.7	.077	.003	.010	.099				4.70	77.70	3.90		804.
76 1 29	1300	3.7	.087			.074				3.80	76.00	3.40		791.
76 1 30	1300	3.7	.076	.006		.107				4.60	74.90	3.40		776.
76 1 31	1300	3.7	.082	.009		.050				1.60	72.70	3.40		737.
76 11 1	700	3.6	.076	.010	.010	.024				6.40	72.80	3.70		758.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLIN DATE	TIME 24HR	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
YR MO DY	HRS.													
76	11	1	1700	3.6	.097	.014	.070	.001		7.80	81.10			844.
76	11	2	1300	3.3	.079	.009	.070	.068		8.30	71.00			750.
76	11	3	1300	2.8	.082	.022	.040	.108		7.70	70.30			751.
76	11	4	1300	2.3	.080	.010	.030	.114		8.50	71.70			767.
76	11	5	1300	1.9	.080	.025	.030	.077		7.60	75.80			795.
76	11	6	1300	.7	.076	.009	.030	.023		6.80	76.40			804.
76	11	7	1300	1.5	.077	.011	.020	.018		6.00	77.90			818.
76	11	8	700	1.4	.079	.001	.060	.041		7.40	80.80			843.
76	11	8	1300	1.4	.117	.030		.095		4.80	77.60	4.20		842.
76	11	9	1300	1.3	.073	.020		.052		5.90	80.60	4.00		852.
76	11	10	1300	1.2	.073	.012		.006		7.10	80.80	4.40		863.
76	11	11	1300	1.1	.071	.017		.036		5.70	81.80	4.60		867.
76	11	12	1300	1.4	.075	.014		.046		5.90	81.60	4.20		881.
76	11	13	1300	1.3	.066		.030	.043		5.40	80.70	4.30		887.
76	11	14	1300	1.3	.061	.013		.016		5.40	80.80	3.80		893.
76	11	15	700	1.2	.056	.008	.010	.020		5.20	81.00	3.90		909.
76	11	15	1300	1.2	.069	.030	.040	.040		5.30	80.00			914.
76	11	16	1300	1.2	.065	.028	.030	.029		5.10	81.10			922.
76	11	17	700	1.1	.067	.028	.020	.032		5.50	81.00			933.
76	11	22	1300	1.1	.099	.020	.030	.018		9.70	77.70	3.80		855.
76	11	23	1300	1.1	.076	.023		.006		4.30	78.30	4.30		860.
76	11	24	1300	1.1	.075	.020	.010	.003		4.80	79.90	5.50		879.
76	11	25	1300	1.1	.077	.012		.011		6.70	79.70	3.90		889.
76	11	26	1300	1.5	.085	.012				7.20	77.50	3.70		865.
76	11	27	1300	1.9	.083	.031	.010	.031		4.60	77.90	3.20		879.
76	11	28	1300	2.9	.073	.017				3.60	77.40	2.70		871.
76	11	29	700	2.7	.072	.037		.001		5.20	77.80	3.20		880.
76	12	6	1300	1.7	.094	.025	.310	.045	6.970	6.80	79.40	3.10		998.
76	12	7	1300	1.6	.064	.020	.060	.041	4.050	4.70	75.80	2.91		986.
76	12	8	1300	1.6	.062	.017	.070	.025	2.480	3.50	78.00	3.75		1023.
76	12	9	1300	1.5	.061	.017		.030	2.800	4.50	78.80	3.45		1035.
76	12	10	1300	1.5	.057	.013		.032	3.350	5.20	79.70	2.17		1042.
76	12	11	1300	1.5	.073	.012		.027	4.240	4.60	82.60	2.45		1008.
76	12	12	1300	1.4	.051	.009		.012	2.640	3.20	81.30	1.65		1072.
76	12	13	700	1.4	.049	.010		.022	2.290	4.50	86.30	2.25		1085.
76	12	13	1300	1.4	.054	.023	.080	.069	.679		89.30	.87		1123.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/COORD : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING TIME DATE 24/9 YR MO DY 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 12 14 1300	1.4	.051	.018	.070	.082		.411		5.00	89.50	.67	.21	1144.
76 12 15 1300	1.4	.051	.020	.090	.068		.555		3.10	92.60	.65	.18	1165.
76 12 16 1300	1.3	.050	.018	.080	.057		.640		3.90	94.70	.52	.20	1185.
76 12 17 1300	1.3	.051	.010	.060	.063		.483		3.40	95.40	.34	.20	1183.
76 12 18 1300	1.3	.051	.016	.050	.062		.725		2.60	96.00	.52	.18	1195.
76 12 19 1300	1.3	.051	.015	.040	.054		.640		3.00	96.10	.52	.25	1192.
76 12 20 700	1.2	.055	.007	.090	.062		.632		5.90	93.50	.34	.30	1143.
76 12 20 1300	1.2	.055	.020	.100	.036		.550		3.30	94.70	1.80		1093.
76 12 21 1300	1.2	.046	.014	.130	.027		.710		2.70	97.90	2.03		1150.
76 12 22 1300	1.2	.050	.017	.180	.041		.650		4.40	99.30	2.13		1180.
76 12 23 1300	1.2	.050	.018	.200	.048		.590		2.90	102.00	2.09		1196.
76 12 24 1300	1.2	.051	.012	.190	.049		.510		5.60	104.00	2.53		1229.
76 12 25 1300	1.2	.050	.008	.160	.023		.470		4.70	100.00	2.27		1128.
76 12 26 1300	1.2	.054	.015	.140	.016		.500		3.20	104.00	2.84		1211.
76 12 27 700	1.2	.050	.012	.170	.063		.590		3.30	105.00	2.09		1263.
76 12 27 1300	1.2	.073	.017	.190	.244		13.100		2.40	103.00	1.88		1277.
76 12 28 1300	1.2	.075	.026	.180	.060		.588	1.00	4.50	102.00	1.15		1256.
76 12 29 1300	1.2	.063	.025	.180	.602		.550		5.10	103.00	1.20		1281.
76 12 30 1300	1.2	.083	.037	.180	.217		.550		4.70	102.00	1.37		1272.
77 1 4 1300	1.2		.023	.140	.084				7.10	101.00			1270.
77 1 5 1300	1.2			.150	.097				6.00	99.90			1264.
77 1 6 1300	1.2	.013		.140	.100				6.20	103.00			1276.
77 1 7 1300	1.2	.027		.140	.109				5.70	104.00			1280.
77 1 8 1300	1.2	.024		.150	.094				6.20	105.00			1293.
77 1 9 1300	1.2	.024		.150	.099				6.20	105.00			1306.
77 1 10 700	1.2	.027	.017	.140	.137				7.90	113.00			1370.
77 1 11 1300	1.2	.094	.040	.170	.185				2.60	108.00			1283.
77 1 12 1400	1.3	.092	.045	.180	.207				2.50	108.00			1316.
77 1 13 1300	1.3	.092	.037	.190	.207					109.00			1339.
77 1 14 1300	1.2	.079	.024	.190	.158				2.50	109.00			1327.
77 1 15 1300	1.2	.085	.037	.140	.207				4.30	108.00			1331.
77 1 16 700	1.2	.086	.051	.200	.199				3.20	110.00			1340.
77 1 19 1300	1.2	.097	.044	.230	.485				9.10	112.00	2.86		1360.
77 1 20 1300	1.3	.091	.036	.200	.428				4.80	111.00	3.02		1353.
77 1 21 1300	1.3	.076	.028	.170	.381				5.00	111.00	3.63		1337.
77 1 22 1300	1.2	.082	.027	.200	.414				6.50	110.00	3.60		1341.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

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
77 1 23 1300	1.2	.085	.027	.210	.404				8.70	110.00	2.95		1349.
77 1 24 1300	1.2	.077	.049	.240	.377				5.70	108.00	3.58		1366.
77 1 25 1300	1.2	.080	.032	.260	.298				6.80	109.00	3.87		1363.
77 1 26 1300	1.2	.081	.036	.250	.332				7.00	109.00	2.99		1565.
77 1 27 1300	1.2	.084	.051	.260	.404				5.60	111.00	3.93		1382.
77 1 28 1300	1.2	.086	.037	.270	.387				3.70	112.00	4.48		1396.
77 1 29 1300	1.2	.086	.038	.270	.351				3.10	112.00	3.49		1399.
77 1 30 1300	1.2	.084	.038	.270	.408				5.60	113.00	3.91		1427.
77 1 31 700	1.2	.083	.031	.280	.398				4.30	114.00	4.34		1439.
77 2 3 1900	1.2	.100	.093	.340	.704					112.00	2.62		1398.
77 2 4 1900	1.2	.096	.071	.320	.530				7.00	112.00	2.82		1389.
77 2 5 1900	1.2	.092	.064	.310	.508				7.30	112.00	3.15		1380.
77 2 6 1900	1.2	.091	.061	.310	.571				7.60	111.00	3.36		1347.
77 2 7 1300	1.2	.118	.064	.340	.654				6.90	128.00	6.12		1392.
77 2 8 1300	1.1	.107	.081	.360	.812				6.20	129.00	7.40		1385.
77 2 9 1300	1.1	.105	.053	.350	.683				5.70	128.00	6.70		1384.
77 2 10 1300	1.1	.108	.059	.340	.758					128.00	6.31		1388.
77 2 10 1400	1.1	.108	.057	.370	.640				9.20	125.00	4.49		1344.
77 2 10 1900	1.1	.097	.058	.360	.676				8.30	126.00	4.41		1356.
77 2 10 2200	1.1	.090	.051	.360	.887				7.30	126.00	4.62		1368.
77 2 11 100	1.2	.095	.050	.360	.696				8.50	126.00	4.71		1363.
77 2 11 400	1.2	.094	.049	.350	.691				8.40	126.00	4.81		1373.
77 2 11 700	1.2	.093	.047	.350	.704				8.40	126.00	4.93		1370.
77 2 11 1000	1.2	.093	.048	.350	.708				7.00	127.00	4.71		1362.
77 2 11 1300	1.2	.096	.041	.380	.719				7.80	126.00	4.49		1355.
77 2 11 1600	1.2	.109	.045	.450	.694				11.00	125.00	4.40		1322.
77 2 11 1900	1.2	.109	.048	.460	.745				10.70	126.00	4.54		1345.
77 2 11 2200	1.2	.116	.051	.450	.692				11.00	125.00	4.49		1350.
77 2 12 100	1.2	.112	.053	.420	.746				9.90	125.00	4.61		1359.
77 2 12 400	1.2	.108	.055	.400	.745				9.10	126.00	4.65		1371.
77 2 12 700	1.2	.105	.050	.400	.947				9.10	127.00	4.67		1368.
77 2 12 1000	1.2	.106	.052	.410	.749				7.90	127.00	4.87		1361.
77 2 12 1300	1.2	.103	.054	.420	.754				7.90	127.00	4.79		1369.
77 2 12 1600	1.2	.104	.050	.470	.771				8.50	128.00	4.90		1373.
77 2 12 1900	1.2	.110	.052	.500	.807				9.30	128.00	4.81		1355.
77 2 12 2200	1.2	.113	.056	.530	.823				8.90	128.00	4.90		1364.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE YR MO DY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC PHOS. MG/L	NO-2 NO-3 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77	13	100	.115	.055	.520	.830				9.10	130.00	4.98		1389.
77	13	400	.114	.077	.530	.905				7.90	130.00	5.08		1391.
77	13	700	.118	.078	.550	.907				9.70	131.00	5.09		1382.
77	13	1050	.123	.078	.600	.928				9.30	130.00	5.21		1366.
77	13	1300	.129	.081	.630	.941				10.90	129.00	5.27		1343.
77	13	1600	.144	.088	.670	1.100				11.20	129.00	5.40		1320.
77	13	1900	.164	.098	.780	1.020				11.70	128.00	5.44		1296.
77	13	2200	.186	.113	.910	.986				12.10	126.00	5.53		1259.
77	14	100	.212	.129	1.020	.973				13.40	124.00	5.71		1232.
77	14	1300	.256	.150	1.280	.970				14.60	120.00	6.48		1152.
77	15	100	.258	.151	1.340	1.110				14.90	118.00	6.50		1145.
77	15	1300	.476	.340	1.860	1.250				10.70	116.00	7.04		1034.
77	16	100	.516	.360	2.200	1.120				10.20	127.00	6.22		1067.
77	16	1300	.576	.404	2.490	1.050				12.90	114.00	5.99		1065.
77	17	100	.587	.441	2.650	1.110				13.60	113.00	5.73		910.
77	17	1500	.627	.467	2.680	1.130				14.60	115.00	5.59		888.
77	17	2200	.666	.521	2.640	1.270				12.40	116.00	6.18		899.
77	21	1300	.517	.357	2.350	1.290		2.110		10.20	98.40	7.75		856.
77	21	1900	.506	.337	2.280	1.140		2.260		10.00	89.30	6.24		864.
77	21	1900	.506	.337	2.280	1.140		2.260		10.00	89.30	6.24		864.
77	22	100	.485	.331	2.240	1.260		2.350		8.80	94.30	6.78		840.
77	22	700	.477	.344	2.230	1.300		2.610		9.50	95.90	7.21		843.
77	22	1300	.461	.332	2.160	1.270		2.610		7.20	94.40	6.78		828.
77	22	1900	.445	.313	2.080	1.420		2.330		8.90	90.50	6.35		816.
77	23	100	.427	.311	2.030	1.090		1.960		9.60	87.80	7.35		806.
77	23	700	.424	.300	1.920	1.030		2.130		13.20	95.30	6.49		818.
77	23	1500	.439	.243	1.870	.886		1.670		27.30	95.70	6.04		837.
77	23	1600	.478	.290	1.970	.856		2.130		45.90	80.80	6.23		773.
77	23	1900	.547	.290	1.860	.770		1.680		65.80	73.90	6.67		619.
77	23	2200	.580	.273	1.810	.651		1.720		87.00	67.40	4.96		532.
77	24	100	.676	.297	1.980	.763		1.840		125.00	68.20	5.37		446.
77	24	400	.712	.260	1.900	.612		2.270		162.00	55.30	4.37		396.
77	24	700	.845	.260	1.930	.765		2.950		213.00	45.20	4.14		350.
77	24	1000	.835	.301	2.740	.778		2.910		197.00	61.50	4.72		334.
77	24	1400	.914	.324	2.050	.809		2.980		201.00	65.40	4.76		335.
77	24	1600	.907	.337	1.970	.632		2.530		222.00	50.70	4.34		316.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANCUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLE DATE	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	COO MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	24	1900	2442.2	.849	.320	2.020	.544	2.740		199.00	41.20	4.75		306.
77	24	2200	2521.0	.759	.301	2.150	.531	2.980		180.00	39.90	4.14		304.
77	25	100	2571.0	.669	.293	2.180	.732	2.010		149.00	62.20	4.66		299.
77	25	400	2571.0	.578	.265	2.290	.486	1.890		118.00	42.40	4.45		291.
77	25	700	2422.6	.520	.267	2.360	.573	1.980		99.90	53.00	4.60		293.
77	25	1000	2186.7	.490	.297	2.190	.791	1.640		74.40	70.50	6.56		297.
77	25	1300	1888.2	.476	.304	2.150	.822	1.950		67.00	74.00	5.76		307.
77	25	1600	1593.0	.438	.229	2.810	.405	1.830		73.80	35.30	5.15		327.
77	25	1900	1391.5	.411	.230	2.910	.400	1.890		60.50	35.60	5.30		332.
77	25	2200	1268.4	.384	.220	3.090	1.340	1.570		50.30	36.10	5.75		334.
77	26	100	1199.2	.373	.214	3.180	.374	1.530		46.30	36.40	6.17		345.
77	26	400	1178.8	.353	.212	3.250	.375	1.540		41.20	36.70	5.85		357.
77	26	700	1158.8	.341	.209	3.350	.358	1.420		34.00	38.20	6.04		369.
77	26	1000	1004.9	.332	.190	3.390	.304	1.430		34.20	38.60	7.08		375.
77	26	1300	893.7	.326	.181	3.400	.354	1.720		36.70	38.60	5.48		381.
77	26	1600	824.5	.343	.184	3.400	.332	1.530		43.60	39.10	6.57		391.
77	26	1900	812.2	.301	.170	3.340	.310	1.310		22.70	39.10	5.89		400.
77	26	2200	812.2	.295	.181	3.390	.500	1.400		26.50	39.90	5.52		405.
77	27	100	812.2	.287	.169	3.380	.338	1.330		19.90	40.70	6.67		422.
77	27	400	900.1	.296	.170	3.370	.317	2.040		32.10	42.80	6.22		434.
77	27	700	998.5	.282	.158	3.220	.303			23.60	42.20	5.47		439.
77	27	1000	1125.1	.314	.163	3.490	.342			51.10	42.10	6.84		442.
77	27	1300	1477.0	.310	.170	3.770	.268	2.610		46.70	40.50	6.09		426.
77	27	1600	1691.7	.334	.146	4.080	.410	2.240		70.90	41.90	6.87		419.
77	27	1900	1740.0	.372	.141	4.390	.223	1.870		87.30	41.90	6.01		395.
77	27	2200	2016.6	.486	.148	4.610	.492			169.00	44.20	6.30		395.
77	28	100	2132.1	.443	.153	4.940	.312	5.590		101.00	43.50	6.63		383.
77	28	400	2125.3	.476	.178	5.190	.341			124.00	42.60	5.89		383.
77	28	700	2079.8	.444	.174	5.280	.320	8.890		108.00	41.80	6.00		375.
77	28	1000	2000.0	.471	.170	5.510	.362	7.000		105.00	43.60	6.34		378.
77	28	1300	2200.0	.434	.207	5.860	.387	2.120		108.00	44.20			383.
77	28	1600	480.0	.338	.186	5.960	.318	1.900		54.40	42.50			411.
77	28	1900	400.0	.253	.157	5.740	.271	1.520		26.20	45.60			476.
77	28	2200	400.0	.246	.140	5.560	.320	1.460		25.40	46.90			507.
77	29	100	400.0	.224	.141	5.230	.283	1.730		43.10	48.90	5.46	1.50	526.
77	29	1300	400.0	.221	.134	4.830	.350	2.100		29.10	49.60	5.65	1.50	558.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETISVILLE, OHIO

USGS NO. 0417450

SAMPLIN 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. UMMO
77	4 150	760.0	.278	.133	4.150	.275		1.900		81.40	48.50	5.43	2.90	554.
77	4 5 100	1000.0	.385	.140	5.190	.302		1.740		141.00	47.50	5.40	5.70	492.
77	4 5 700	1000.0	.538	.151	5.910	.349		1.460		223.00	46.20	5.33	9.20	448.
77	4 5 1300	1000.0	.580	.177	6.620	.412		1.640		211.00	46.60	5.41	9.30	434.
77	5 5 1900	1000.0	.487	.175	7.040	.397		1.570		139.00	46.60	5.43	7.30	442.
77	5 6 100	470.0	.428	.163	7.290	.389		1.900		99.40	46.20	5.52	6.20	456.
77	5 6 700	470.0	.366	.151	7.360	.349		1.740		84.20	46.00	5.67	5.00	473.
77	5 6 1300	470.0	.329	.142	7.320	.335		1.460		74.50	46.40	5.66	4.30	489.
77	5 6 1900	470.0	.297	.132	7.180	.289		1.640		60.90	47.40	5.75	3.80	513.
77	5 7 100	340.0	.264	.127	6.980	.290		1.570		43.10	48.80	5.77	3.10	540.
77	5 7 700	340.0	.249	.122	6.960	.282		1.200		33.80	49.10	5.90	2.80	551.
77	5 9 1300	160.0	.160	.097	5.930	.237				16.10	51.10	8.82		614.
77	5 10 1300	175.0	.150	.085	5.490	.236				18.70	53.80	8.38		639.
77	5 11 1300	110.0	.153	.083	4.900	.171				19.10	54.10	7.79		650.
77	5 11 1400	590.0	.161	.090	4.440	.171				23.50	57.30	7.67		664.
77	5 11 1300	660.0	.204	.131	4.140	.196				50.20	57.40	8.69		686.
77	5 14 700	270.0	.320	.161	6.680	.261				60.00	58.10	7.68		607.
77	5 17 1400	750.0	.165	.055	6.390	.107				35.10	56.70	7.90	1.80	690.
77	5 18 1400	1100.0	.205	.074	6.090	.181				95.70	56.00	6.65	3.10	704.
77	5 18 1700	1100.0	.354	.074	5.610	.084				191.00	53.80	6.00	7.30	614.
77	5 18 2200	1100.0	.455	.100	5.830	.122				243.00	47.90	6.83	9.70	503.
77	5 19 100	1350.0	.534	.121	6.770	.187				317.00	46.30	6.88	11.70	468.
77	5 19 400	1350.0	.639	.107	7.050	.273				367.00	48.60	6.86	14.00	431.
77	5 19 700	1350.0	.555	.108	7.420	.189				253.00	45.00	7.18	12.30	407.
77	5 19 1000	1350.0	.452	.117	8.180	.166				173.00	39.00	6.48	9.70	417.
77	5 19 1300	1350.0	.304	.102	8.350	.132				134.00	39.20	7.01	7.70	336.
77	5 19 1400	1350.0	.307	.097	7.780	.114				84.60	39.50	6.90	5.70	442.
77	5 19 1700	1350.0	.287	.093	7.790	.118				71.30	39.90	6.90	5.00	457.
77	5 19 2200	1350.0	.264	.080	7.480	.161				67.00	40.70	7.32	4.30	475.
77	5 20 100	480.0	.242	.080	7.930	.108				59.60	42.30	7.30	3.90	494.
77	5 20 400	480.0	.200	.080	7.930	.108				47.80	42.30	7.22	3.50	505.
77	5 20 700	480.0	.203	.071	7.690	.146				53.20	41.80	7.31	3.00	516.
77	5 20 1000	480.0	.180	.074	7.590	.134				42.70	41.80	7.19	2.70	526.
77	5 20 1300	480.0	.179	.068	7.670	.113				40.80	43.20	7.21	2.50	543.
77	5 20 1600	480.0	.165	.065	7.600	.110				26.90	43.80	7.83	2.10	557.
77	5 20 1900	480.0	.155	.064	7.750	.138				25.60	45.00	8.71	1.80	566.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

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. UMMO
77 3 20 2200	480.0	.146	.068	7.480	.089				27.40	44.30	7.78	1.50	569.
77 3 21 100	360.0	.138	.066	7.680	.089				21.50	45.90	7.60	1.40	576.
77 3 21 400	360.0	.134	.064	7.600	.092				17.90	46.10	7.60	1.30	558.
77 3 21 1600	360.0	.125	.062	7.360	.073				21.60	47.30	7.61	1.00	595.
77 3 22 400	560.0	.116	.068	7.400	.114				16.70	48.70	7.55	.80	612.
77 3 22 1600	560.0	.117	.061	7.010	.096				20.80	49.00	7.44	.90	627.
77 3 23 100	800.0	.207	.064	7.140	.164				40.70	47.60	7.40	4.00	573.
77 3 23 1300	800.0	.323	.078	8.170	.039				89.90	41.00	6.90	6.10	513.
77 3 24 100	580.0	.229	.066	8.210	.058				59.20	37.90	6.99	4.40	518.
77 3 24 1300	580.0	.184	.063	7.930	.043				41.40	36.40	6.87	3.10	498.
77 3 25 100	410.0	.151	.065	7.930	.051				26.90	39.10	7.79	2.20	539.
77 3 25 1300	410.0	.128	.057	7.550	.025				20.70	38.10	6.78	1.90	559.
77 3 26 100	340.0	.112	.047	7.550	.037				22.90	40.00	7.51	1.50	595.
77 3 26 1300	340.0	.109	.044	7.180	.023				24.20	40.30	7.50	1.40	615.
77 3 26 1600	340.0	.116	.043	7.860	.092				21.70	43.10	7.45	1.50	606.
77 3 27 400	600.0	.105	.040	7.120	.014				23.00	42.00	6.06	1.40	630.
77 3 27 1600	600.0	.102	.047	7.020	.248				26.70	43.70	6.53	1.30	645.
77 3 28 400	1050.0	.097	.043	6.850	.030				27.10	44.30	6.88	1.30	650.
77 3 28 1300	1050.0	.117	.051	6.300	.047				34.90	39.90	7.65	1.70	673.
77 3 29 100	680.0	.449	.107	6.970	.062				195.00	36.00	7.96	10.70	516.
77 3 29 1300	680.0	.342	.103	7.870	.051				110.00	30.40	7.99	7.40	476.
77 3 30 100	500.0	.259	.074	7.910	.101				82.90	32.40	8.39	5.30	513.
77 3 30 1300	556.9	.203	.068	7.650	.049				79.10	35.10	9.10	3.80	559.
77 3 31 100	444.3	.178	.062	7.400	.043				62.90	34.90	8.14	3.20	588.
77 3 31 1300	366.5	.156	.060	7.120	.304				42.90	36.90	8.21	2.60	614.
77 3 31 2200	323.9	.155	.057	6.890	.039				45.60	40.30	7.96	2.40	631.
77 4 3 1300	1165.3	.535	.106	6.380	.076				182.00	24.70	8.57	11.60	464.
77 4 3 1600	1138.5	.527	.121	6.690	.196				155.00	22.40	9.88	13.20	435.
77 4 3 1900	1067.2	.552	.108	6.790	.151				142.00	21.60	8.89	14.10	428.
77 4 3 2200	939.7	.577	.107	6.640	.098				135.00	20.60	9.78	16.00	428.
77 4 4 100	818.4	.526	.102	6.530	.107				124.00	20.40	8.43	14.50	434.
77 4 4 400	741.3	.512	.097	6.470	.180				105.00	20.60	8.38	14.20	443.
77 4 4 700	674.3	.461	.103	6.320	.107				91.70	20.50	8.21	12.70	451.
77 4 4 1000	616.8	.440	.100	6.470	.474				73.78	21.70	9.99	11.90	463.
77 4 4 1300	576.9	.403	.096	6.340	.305				68.80	21.80	9.42	10.20	473.
77 4 4 1600	556.9	.344	.086	6.500	.288				54.30	23.10	9.59	8.90	487.

LAK ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR PETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE	TIME	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	4	4	1000	571.0	.314	.095	6.540	.388		52.50	23.80	9.60	8.70	501.
77	4	4	2000	531.0	.272	.069	6.390	.037		44.20	23.90	9.39	6.80	513.
77	4	5	100	477.1	.240	.072	6.480	.050		41.40	24.80	7.89	6.80	529.
77	4	5	1300	430.3	.006	.085	6.730	.198		31.00	28.40	9.60	4.10	580.
77	4	6	100	374.5	.160	.068	6.630	.068		24.70	31.80	7.58	3.20	609.
77	4	6	1300	338.7	.136	.065	6.540	.193		14.90	30.90	10.40	1.80	615.
77	4	6	1900	315.3	.132	.075	6.410	.155		15.70	30.80	6.73	1.80	619.
77	4	7	1900	244.7	.109	.063	6.020	.036		15.40	32.90	6.41	1.30	635.
77	4	8	1900	284.7	.120	.063	5.770	.097		16.70	36.40	5.65	1.40	652.
77	4	9	1900	236.6	.125	.063	5.850	.059		20.00	35.00	5.44	1.40	652.
77	4	10	1900	216.3	.157	.075	5.750	.063		24.60	36.90	4.81	1.60	665.
77	4	11	1300	202.6	.128	.066	5.300	.072		31.90	40.70	5.02	1.10	666.
77	4	12	1300	174.0	.119	.074	4.840	.044		33.10	43.10	5.24	1.00	686.
77	4	13	1300	160.3	.105	.062	4.610	.135		33.10	45.00	3.27	.90	705.
77	4	14	1300	155.3	.117	.060	4.190	.123		31.60	43.60	2.49	1.10	716.
77	4	15	1300	143.5	.095	.056	3.760	.053		25.60	44.00	2.36	.70	718.
77	4	16	1300	134.3	.096	.065	3.800	.030		27.20	50.30	2.63	.70	742.
77	4	17	1300	123.7	.116	.054	3.530	.022		38.70	49.00	2.61	1.00	744.
77	4	18	700	123.7	.110	.051	3.150	.042		28.30	48.30	2.70	.90	745.
77	4	18	1300	119.5	.088	.044	2.540	.162		26.30	49.00		1.20	727.
77	4	19	1300	115.3	.084	.038	2.100	.157		28.70	52.00		.90	732.
77	4	20	1300	111.6	.081	.032	1.810	.198		29.80	52.40		.80	746.
77	4	21	1300	107.9	.098	.026	2.510	.219		39.60	47.30		.90	735.
77	4	22	1300	107.9	.113	.018	1.370	.203		25.70	50.40		1.20	756.
77	4	23	1300	150.4	.163	.042	3.260	.154		67.00	41.40		2.40	773.
77	4	24	1300	116.4	.177	.058	6.870	.114		50.60	41.00		2.70	668.
77	4	25	700	472.1	.177	.088	6.290	.135		40.30	44.70		2.00	714.
77	4	25	1300	447.0	.198	.085	6.020	.080		40.10	39.20	6.23	1.80	694.
77	4	26	1300	546.9	.164	.078	6.540	.058	1.700	38.80	38.30	6.37	1.70	695.
77	4	27	1300	601.4	.163	.055	6.740	.070		66.20	35.70	5.98	2.10	643.
77	4	28	1300	391.1	.150	.059	6.780	.060		40.80	36.40	5.89	2.00	667.
77	4	29	1300	348.4	.128	.055	6.570	.066		35.10	36.70	5.38	1.50	682.
77	5	1	1300	316.4	.113	.050	6.020	.143		24.50	37.10	5.35	1.20	687.
77	5	2	700	261.4	.115	.044	5.540	.041		31.20	38.60	4.80	1.50	703.
77	5	2	700	255.3	.124	.047	5.240	.048		40.20	38.00	4.14	1.80	705.
77	5	2	1300	245.4	.119	.040	5.070	.166	.810	27.50	41.40	3.46	1.40	707.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING DATE	TIME 24 HR	FLOW CFS	TOTAL PHOS. MG/L	GRTHO 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 3	1300	327.6	.129	.020	4.670	.042		.740						
77 5 4	1000	506.9	.147	.058	4.470	.087		.770		40.00	41.70	3.51	1.70	732.
77 5 4	1300	648.1	.171	.057	5.050	.082		.760		44.10	38.80	3.28	2.00	696.
77 5 4	1600	953.2	.219	.046	5.070	.120		1.080		52.10	40.40	3.73	2.70	711.
77 5 4	1900	1275.5	.358	.068	6.100	.086		1.890		114.00	39.70	4.10	4.00	706.
77 5 4	2200	1451.5	.558	.093	6.860			2.160		210.00	40.50	4.96	8.00	667.
77 5 5	100	1609.0	.576	.104	7.270	.061		2.280		317.00	32.30	7.77	14.50	555.
77 5 5	400	1716.0	.628	.109	9.040	.069		2.530		296.00	29.70	6.11	13.80	499.
77 5 5	700	1788.3	.592	.140	10.300	.153		2.610		290.00	29.00	6.83	14.70	482.
77 5 5	1000	1821.5	.538	.135	11.100	.068		2.650		258.00	26.80	7.22	13.40	475.
77 5 5	1300	1821.5	.456	.124	11.400	.085		2.300		189.00	26.30	7.72	11.80	475.
77 5 5	1600	1609.0	.394	.115	11.400	.078		2.300		139.00	26.10	7.90	9.50	471.
77 5 5	1900	1482.4	.348	.103	11.300	.134		2.130		108.00	26.40	8.19	7.80	494.
77 5 5	2200	1247.1	.309	.082	10.900	.104		1.800		88.20	27.80	8.63	6.50	512.
77 5 6	100	1092.4	.258	.093	10.800	.069		1.920		71.00	28.90	8.43	5.50	534.
77 5 6	400	986.2	.252	.083	10.700	.041		1.440		66.20	32.50	8.48	4.80	544.
77 5 6	700	847.3	.239	.077	10.500	.216		2.020		59.20	32.10	8.59	4.30	585.
77 5 6	1000	830.6	.113	.079	10.400	.057		1.800		62.00	32.90	8.67	4.20	594.
77 5 6	1300	770.4	.214	.085	10.300	.070				54.50	35.90	8.64	3.80	584.
77 5 7	100	606.8	.186	.069	9.410	.049				47.60	32.10	8.55	3.00	579.
77 5 7	1300	492.0	.182	.078	8.910	.074				40.80	32.90	8.40	2.40	684.
77 5 8	100	305.0	.167	.067	8.440	.314				36.80	35.90	8.20	2.10	630.
77 5 8	1300	305.0	.155	.058	8.100	.059				37.20	38.10	7.94	2.10	649.
77 5 9	100	174.0	.157	.037	7.780	.072				31.30	36.00	7.90	1.90	659.
77 5 9	1300	174.0	.173	.066	7.340	.050				33.10	37.10	7.36	1.80	679.
77 5 10	1300	102.0	.148	.064	6.550	.013				59.80	36.30	10.00	1.90	686.
77 5 11	1300	67.0	.128	.056	6.040	.051				31.40	36.30	9.13	1.40	701.
77 5 12	1300	41.0	.111	.048	5.590	.045				27.90	36.90	7.89	1.30	709.
77 5 16	1300	14.3	.087	.020	3.510	.078				25.20	37.30	7.28	1.10	719.
77 5 17	1300	12.0	.087	.022	2.990	.103				36.40	47.00	1.64	.60	714.
77 5 18	1300	10.0	.090	.023	2.630	.141				38.00	46.80	1.24	.80	718.
77 5 19	1300	9.2	.100	.024	2.410	.286				36.50	47.70	1.15	.70	741.
77 5 20	1300	8.1	.919	.021	2.120	.239				34.40	49.10	1.18	.60	749.
77 5 21	1300	7.0	.109	.024	1.990	.246				34.30	48.30	.92	.70	739.
77 5 22	1300	6.7	.101	.012	1.880	.180				32.20	47.80	1.44	.50	746.
77 5 23	700	6.0	.139		1.660	.159				32.30	46.90	1.27	.80	752.
										34.40	47.90	1.14	.90	756.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

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	COO MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMMO
77	5 23 1300	6.1	.143	.099	1.750	.146		.810		20.40	58.00	1.90	.90	737.
77	5 24 1300	12.0	.126	.100	1.730	.166				37.20	59.30	2.32	.90	735.
77	5 25 1300	9.6	.197	.105	2.480	.123				42.40	56.50	3.21	2.40	720.
77	5 26 1300	6.0	.196	.112	2.150	.174				24.20	56.50	3.32	1.50	692.
77	5 27 1300	5.7	.196	.112	2.050	.198				25.50	56.60	3.00	1.40	706.
77	5 28 1300	5.7	.168	.092	1.920	.213				23.90	57.70	3.64	1.40	743.
77	5 29 1300	4.5	.150	.073	1.700	.173				32.80	59.50	2.74	1.30	764.
77	5 30 700	3.7	.172	.055	1.440	.162		1.130		32.80	59.60	2.40	1.60	780.
77	5 31 1300	3.1	.274	.047	.620	.443		2.390		42.00	53.20	1.67	1.20	754.
77	6 1 1300	2.3	.141	.012	.610	.179				24.70	54.90	1.47	1.00	738.
77	6 2 1300	2.3	.206	.024	.540	.315				15.30	57.70	1.23	.90	784.
77	6 3 1300	1.9	.131	.013	.490	.252				14.30	56.30	1.05	.80	785.
77	6 4 1300	1.7	.130	.012	.420	.232				23.60	59.80	.99	.80	814.
77	6 5 700	2.6	.130	.011	.390	.238		1.100		16.30	60.50	1.07	.80	847.
77	6 6 1300	4.4	.114	.044	.470	.215		.780		24.60	69.10	2.08	1.00	830.
77	6 7 1300	6.0	.122	.041	.230	.187				27.70	69.40	2.32	1.00	834.
77	6 8 1300	6.0	.120	.015	.020	.184				30.80	67.30	2.61	.90	821.
77	6 11 1300	6.4	.127	.020	.010	.115				32.70	69.60	1.60	1.00	834.
77	6 12 1300	7.4	.121	.013	.620					28.90	72.40	1.63	1.10	837.
77	6 13 700	6.4	.114		.040			.930		26.70	73.30	1.15	1.30	853.
77	6 13 1300	6.4	.114	.110	2.700	.047		.580		30.40	57.70	1.29	.60	809.
77	6 14 1300	5.1	.104	.100	2.380	.052				24.20	60.60	1.19	.70	817.
77	6 15 1300	4.5	.106	.085	1.310	.048				20.30	67.50	1.71	.70	823.
77	6 16 1300	3.7	.093	.070	.390	.784				22.80	71.20	.77	.60	820.
77	6 17 1300	3.6	.091		1.790	.195				21.00	59.60	2.09	.60	801.
77	6 18 1300	3.1	.100	.094	1.360	.125				19.30	61.20	1.91	.50	803.
77	6 19 1300	2.1	.101	.095	.401	.194				18.00	67.40	1.03	.50	823.
77	6 20 700	2.1	.110	.070	.250	.062		.970		20.70	67.40	1.22	.50	835.
77	6 21 1300	2.1	.127	.107	.330	.045				15.50	70.80	1.65	.40	824.
77	6 22 1300	1.7	.141	.126	.220	.173				14.80	70.40	1.65	.30	824.
77	6 23 1300	1.4	.114	.105	.150	.139				11.00	71.20	1.97	.30	828.
77	6 23 1300	.9	.131	.065	.160	.120				9.70	71.10	1.63	.50	833.
77	6 24 1300	.9	.433	.114	.060	.491				13.20	70.90	1.68	.30	847.
77	6 25 1300	3.7	.164	.050	.050	.129				19.50	70.30	2.33	.50	832.
77	6 26 1300	2.1	.150	.032	.050	.031				15.60	69.00	7.53	.30	817.
77	6 27 700	1.2	.150	.066	.070	.079				11.70	69.20	1.17	.40	820.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK EAST BRANCH

LOCATION W/CODE : NEAR BETTSVILLE, OHIO

USGS NO. 04197450

SAMPLING TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
DATE 2400	CFS	PHOS.	PHOS.	NO-3		NIT.	KJELD		SOLIDS	RIDE			25C.
YR MO DY HRS.		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
77 6 27 1300	1.2	.140	.076	.150	.188				9.90	66.30	2.87	.50	805.
77 6 28 1300	1.0	.160	.095	.140	.231				12.30	65.60	3.18	.50	807.
77 6 29 1300	1.1	.136	.083	.150	.184				10.40	63.30	3.79	.40	778.
77 6 30 1300	9.6	.152	.064	.140	.154				14.70	63.80	3.41	.40	786.
77 6 30 1900	9.6	.166	.053	.110	.129				19.90	63.50	3.25	.80	750.
77 7 1 100	312.7	.207	.065	.330	.161				69.60	60.30	4.62	2.10	728.
77 7 1 700	606.9	.272	.096	1.600	.194				45.60	56.20	5.22	3.80	704.
77 7 1 1300	627.1	.395	.151	4.100	.135				107.00	51.20	6.65	6.30	685.

WEST BRANCH WOLF CREEK
AT
BETTSVILLE, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

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
YR	MO	DAY	HRS.											
76	2	2	1900	24.0		.060	4.100	.130		5.90	36.00			690.
76	2	3	100	16.0		.050	4.100	.110		3.90	36.00			702.
76	2	3	700	16.0		.050	4.100	.130		1.60	36.00			699.
76	2	3	1300	16.0		.050	4.000	.150		3.60	36.00			720.
76	2	3	1900	16.0		.050	3.700	.240		3.50	40.00			722.
76	2	4	1900	14.0		.050	3.900	.130		1.30	38.00			730.
76	2	5	1900	39.7		.050	3.800	.140		2.30	39.00			720.
76	2	6	1900	33.3		.050	3.700	.130		2.70	38.00			730.
76	2	7	1900	23.0		.050	3.700	.170		3.20	39.00			758.
76	2	8	1300	13.6		.050	3.700	.180		2.90	40.00			766.
76	2	9	1800	9.5	.270	.270	1.200	.190		10.20	29.00			794.
76	2	9	2400	14.1	.270	.270	1.100	.180		7.60	28.00			785.
76	2	10	600	100.0	.271	.270	1.100	.180		9.10	24.00			804.
76	2	10	1200	100.0	.440	.260	1.100	.170		6.90	22.00			800.
76	2	10	1800	100.0	.280	.280	1.300	.170		19.30	100.00			746.
76	2	10	2400	100.0	.500	.290	1.000	.160		58.30	19.00			461.
76	2	11	600	630.0	.448	.310	1.000	.170		76.30	18.00			293.
76	2	11	1200	630.0	.480	.480	.800	.200		87.30	14.00			275.
76	2	11	1800	630.0	.494	.470	.700	.200		102.00	11.00			232.
76	2	11	2400	630.0	.330	.180	1.400	.190		83.00	59.00			221.
76	2	12	600	440.0	.474	.190	1.600	.210		58.30	68.00			241.
76	2	12	1200	440.0	.496	.170	1.800	.150		50.10	55.00			279.
76	2	12	1800	440.0	.246	.170	1.800	.150		61.10	43.00			311.
76	2	12	2400	440.0	.326	.260	1.400	.190		51.40	30.00			321.
76	2	13	600	250.0	.304	.250	1.100	.190		58.00	20.00			337.
76	2	13	1200	250.0	.305	.200	1.500	.210		60.90	51.00			338.
76	2	13	1800	250.0	.290	.200	1.100	.170		75.90	34.00			332.
76	2	13	2400	250.0	.381	.260	1.900	.200		75.70	100.00			340.
76	2	14	600	200.0	.274	.260	1.700	.210		71.80	100.00			379.
76	2	16	1140	474.0	.410	.060	4.200	.100	1.200	232.00	21.00			354.
76	2	16	1740	474.0	.520	.070	4.200	.170		322.00	20.00			288.
76	2	16	2340	474.0	.696	.060	3.800	.160		583.00	17.00			245.
76	2	17	540	1114.0	1.080	.050	3.300	.140		776.00	15.00			234.
76	2	17	1140	1927.2	1.070	.050	3.200	.190	2.460	901.00	14.00			236.
76	2	17	1740	1886.0	.989	.060	3.300	.210		648.00	15.00			261.
76	2	17	2340	1483.6	.876	.060	3.700	.160		503.00	15.00			

LAKE ERIE WASTE-WATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT PETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME		FLOW	TOTAL	ORTHOC	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	S102	IRON	COND
DATE	TIME	CFS	PHOS.	PHOS.	NO-3		NIT.	KJELD		SOLIDS	RIDE			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	2	18	540	1000.0	.540	.070	5.400	.170		176.00	17.00			310.
76	2	18	1140	1000.0	.384	.070	5.000	.140	.950	197.00	19.00			358.
76	2	18	1740	1000.0	.331	.060	5.200	.130		121.00	20.00			386.
76	2	18	2340	1000.0	.330	.060	5.500	.080		156.00	22.00			402.
76	2	19	540	422.0	.284	.060	5.700	.100		93.00	23.00			415.
76	2	19	1140	422.0	.265	.060	5.700	.190	.650	88.50	23.00			430.
76	2	19	1740	422.0	.245	.060	5.800	.090		87.20	24.00			447.
76	2	19	2340	422.0	.223	.060	5.800	.090		90.20	24.00			466.
76	2	20	540	235.0	.210	.060	5.700	.160		57.00	25.00			474.
76	2	20	1140	235.0	.190	.060	5.900	.100	.500	48.20	26.00			494.
76	2	20	1740	235.0	.184	.050	5.700	.080		49.60	26.00			505.
76	2	20	2340	235.0	.142	.050	5.700	.170		44.70	27.00			522.
76	2	21	540	235.0	.128	.050	5.700	.080		40.40	28.00			533.
76	2	21	1140	235.0	.152	.040	5.300	.110	.390	67.70	27.00			535.
76	2	21	1740	235.0	.247	.040	5.500	.090		118.00	27.00			516.
76	2	21	2340	235.0	.277	.040	5.700	.090		130.00	28.00			492.
76	2	22	540	339.0	.284	.050	5.900	.100		115.00	28.00			486.
76	2	22	1140	339.0	.203	.050	5.800	.090	.710	73.20	27.00			486.
76	2	22	1740	339.0	.172	.050	5.900	.070		53.20	27.00			498.
76	2	22	2340	339.0	.148	.050	5.800	.350		41.50	27.00			510.
76	2	23	540	176.0	.131	.040	5.700	1.380	.530	36.60	28.00			525.
76	2	23	1140	176.0	.084	.020				53.20				702.
76	2	24	1300	124.0	.064	.030				14.10				705.
76	2	25	100	98.0	.063	.030								705.
76	2	25	700	98.0	.075	.030								705.
76	2	25	1300	98.0	.094	.050				16.60				710.
76	2	25	1900	98.0	.500	.040				24.50				699.
76	2	26	100	80.8	1.340	.050				448.00				612.
76	2	26	700	125.6	.963	.060				1111.00				420.
76	2	26	1300	112.9	1.010	.070				667.00				382.
76	2	26	1900	101.6	.844	.060				752.00				342.
76	2	27	100	45.9	.693	.060				581.00				335.
76	2	27	700	55.2	.538	.070				403.00				315.
76	2	27	1300	26.6	.486	.070				244.00				317.
76	2	27	1900	48.0	.494	.070				204.00				345.
76	2	28	100	35.0	.477	.060				222.00				361.
										224.00				372.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME DATE 2477 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 7 28 700	35.0	.402	.060						177.00				393.
76 7 28 1300	35.0	.326	.060						133.60				429.
76 7 28 1900	35.0	.289	.060						115.00				458.
76 7 29 100	31.0	.232	.060						89.40				483.
76 7 29 700	31.0	.197	.050						72.10				502.
76 7 29 1300	31.0	.174	.040						62.90				578.
76 7 29 1900	31.0	.157	.040						54.80				533.
76 8 1 100	23.0	.144	.040						52.30				549.
76 8 1 700	23.0	.130	.040						44.40				560.
76 8 8 1220	66.0	.117		4.800	.170		2.430		56.30	33.00		3.00	584.
76 8 9 1220	56.0	.093		4.700	.170		2.210		30.20	34.80		2.00	606.
76 8 10 1220	42.0	.085		4.600	.130		.960		22.30	35.00		1.70	641.
76 8 11 1220	36.0	.064		4.400	.150		1.220		16.90	37.00		1.30	644.
76 8 12 1220	30.0	.070		4.200	.130		1.160		15.20	38.00		1.30	663.
76 8 13 1220	27.1	.064		4.300	.130		1.220		13.60	40.00		1.50	665.
76 8 14 1220	25.2	.064		4.100	.190		.440		10.60	42.00		1.10	689.
76 8 15 620	21.7	.064		4.100	.120		1.690		9.50	42.00		1.30	693.
76 8 15 1800	20.0	.063	.040	4.000	.050		.410		9.10	36.00			705.
76 8 16 1200	19.4	.045	.030	3.900	.080		.430		13.50	36.00			691.
76 8 17 1200	18.8	.050	.040	3.800	.070		.430		3.70	37.00			716.
76 8 18 1200	16.5	.050	.030	3.700	.070		.430		4.30	38.00			724.
76 8 19 1200	30.3	.051	.020	3.600	.180		.380		14.10	43.00			731.
76 8 20 1200	34.8	.102	.040	3.300	.090		.550		23.70	44.00			728.
76 8 21 1200	41.0	.082	.030	3.300	.010		.580		38.20	39.00			701.
76 8 21 1800	50.0	.071	.030	3.200	.020		.530		17.10	38.00			694.
76 8 22 900	41.0	.120	.060	3.100	.060				20.80	40.00			676.
76 8 23 900	25.0	.071	.070	3.200	.070				20.20	40.00			680.
76 8 24 900	23.0	.060	.020	3.200	.020				13.60	37.00			672.
76 8 25 900	22.4	.100	.100	3.000	.100				22.40	37.00			671.
76 8 26 900	19.4	.050	.030	2.600	.030				16.40	37.00			674.
76 8 27 900	19.0	.110	.110	2.600	1.110				16.70	37.00			696.
76 8 28 900	17.1	.110	.110	2.500	.110				17.20	39.00			687.
76 8 29 100	14.1	.041	.040	2.500	.040				11.30	39.00			716.
76 8 29 1145	13.6	.044	.010	2.650	.040				1.30	40.00			694.
76 8 29 1445	13.4	.043	.010	2.900	.030				2.60	40.00			735.
76 8 29 1745	13.1	.061	.010	2.800	.040				8.00	41.00			724.

LAKE E-IE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLE LINE DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	AM-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 DY	HRS.													
76	4	29	2345	13.1	.054	.010	2.850	.030		5.20	41.00			736.
76	4	29	2345	13.1	.073	.030	2.750	.040		2.50	41.00			730.
76	3	31	2345	13.1	.059	.020	2.850	.020		6.90	40.00			731.
76	3	31	2345	13.1	.065	.010	2.800	.030		4.60	39.00			747.
76	4	1	2045	13.1	.061	.010	2.500	.060		7.60	40.00			749.
76	4	5	1140	17.1	.014	.010	2.300	.030		6.40	45.00			724.
76	4	6	1140	15.5	.010	.010	2.300	.040		7.80	44.00			716.
76	4	7	1140	14.1	.010	.010	2.100	.040		6.50	45.00			704.
76	4	8	1140	11.7	.010	.010	2.100	.380		3.90	44.00			709.
76	4	9	1140	10.2	.006		2.200	.020		1.20	43.00			709.
76	4	10	1140	9.5	.004		2.100	.040		5.00	41.00			722.
76	4	11	1140	9.5	.002		2.300	.030		4.50	41.00			724.
76	4	12	540	8.6	.004		2.300	.010		4.50	41.00			734.
76	4	12	1300	8.6	.115	.050	1.600	.160		6.80	40.00			719.
76	4	13	1300	8.4	.104	.040	1.900	.220		5.70	43.00			739.
76	4	14	1300	8.0	.107	.030	1.900	.160		6.40	44.00			739.
76	4	15	1300	8.0	.114	.020	1.800	.140		4.90	44.00			739.
76	4	16	1300	8.0	.137	.030	1.500	.180		3.30	43.00			722.
76	4	17	1300	8.0	.150	.030	.900	.290			44.00			684.
76	4	18	1300	7.7	.142	.020	.800	.150		4.20	44.00			683.
76	4	19	700	7.7	.124	.020	.700	.120		5.80	45.00			705.
76	4	19	1200	7.7	.073	.030	.700	.280		6.70	45.00			720.
76	4	20	1200	7.7	.063	.010	.700	.230		6.50	43.00			725.
76	4	21	1200	7.7	.103	.040	1.000	.210		17.90	42.00			733.
76	4	22	1200	9.5	.070	.030	1.200	.140		8.20	42.00			736.
76	4	23	1200	10.2	.062	.010	1.200	.130		8.70	44.00			746.
76	4	24	1200	9.5	.071	.010	.900	.050		7.00	45.00			755.
76	4	25	1200	10.2	.064	.010	1.100	.040		7.10	46.00			764.
76	4	26	600	14.6	.054	.010	1.500	.100		7.90	47.00			785.
76	4	26	1300	17.7	.040	.040	1.400	.070		2.60	47.00		1.12	782.
76	4	27	140	16.0	.061	.050	1.400	.070		3.50	45.00		.52	796.
76	4	28	1300	12.2	.040	.040	1.800	.070		1.20	52.00		.40	802.
76	4	29	1300	10.6	.022	.010	1.700	.040		2.30	53.00		.45	800.
76	4	30	1300	9.3	.022		1.500	.040		3.20	53.00		.49	761.
76	5	3	1300	11.0		.010	3.600	.470		8.00	42.00			746.
76	5	4	1300	9.4		.020	2.800	.430		7.60	38.00			732.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLIN DATE	TIME 24 HR	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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	5	5	1300	8.8										
76	5	6	1300	8.8	1.000	.020	1.400	.100		7.90	50.00			721.
76	5	7	700	50.0	.153	.020	4.900	.220		8.00	50.00			753.
76	5	7	1300	109.7	.208	.020	4.200	.130		80.20	46.00			714.
76	5	7	1900	122.4	.180	.020	4.600	.120		105.00	42.00			699.
76	5	8	100	111.3	.157	.020	9.500	.300		74.20	46.00			734.
76	5	8	700	92.3	.138	.030	6.800	.240		44.70	47.00			741.
76	5	9	1300	41.5	.064	.030	7.600	.090		33.20	46.00			712.
76	5	10	700	22.3	.043	.010	4.400	.050		13.30	42.00			710.
76	5	10	1300	28.8	.074	.070	6.000	.080		15.50	40.00			713.
76	5	11	1300	22.3	.070	.050	4.900	.060			48.00			687.
76	5	12	1300	17.7	.073	.030	4.200	.010			47.00			688.
76	5	13	1300	14.1	.048	.030	3.600				46.00			683.
76	5	14	1300	12.7	.048	.030	3.100				46.00			675.
76	5	15	1300	11.0	.054	.030	2.900				46.00			693.
76	5	16	1300	11.0	.067	.050	2.500	.020			47.00			703.
76	5	17	700	11.7	.072	.040	2.500				47.00			702.
76	5	25	1300	10.6	.082	.010	4.200	.090			48.00			696.
76	5	26	1300	9.1	.050	.020	5.400	.130		22.20	41.00			738.
76	5	27	1300	7.0	.054	.020	4.600	.080		8.30	41.00			742.
76	5	28	1300	6.0	.052	.020	3.800	.090		7.40	42.00			749.
76	5	29	1300	6.0	.062	.020	3.300	.060		6.90	42.00			739.
76	5	30	1300	6.0	.059	.010	2.900	.040		9.60	43.00			741.
76	5	31	700	6.0	.087	.030	2.600	.060		3.80	43.00			734.
76	5	31	1240	6.0	.053	.050	2.700	.120		7.50	43.00			733.
76	5	31	1240	6.0	.053	.050	2.800	.080		10.10	43.00			753.
76	6	1	40	5.7	.089	.060	2.700	.050		9.10	43.00			741.
76	6	1	640	5.7	.050	.050	2.400	.080		17.10	44.00			748.
76	6	1	1240	46.5	.422	.100	3.700	.040		7.80	43.00			754.
76	6	1	1240	165.6	.442	.080	18.500	.030		277.00	34.00			591.
76	6	2	40	179.7	.270	.100	20.000	.050		310.00	39.00			649.
76	6	2	640	157.0	.189	.080	19.800	.110		114.00	34.00			703.
76	6	2	1240	140.2	.150	.090	18.800	.080		66.40	37.00			750.
76	6	2	1840	106.5	.125					44.30	39.00			770.
76	6	3	40	79.5	.144					35.00				783.
76	6	3	640	60.9	.127					42.80				799.
										39.10				806.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLE DATE YR	TIME MO DAY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOP. PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL NITRO MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
74	4	1240	49.0	.101	.087	16.200	.080				21.20	44.00			805.
74	4	1240	24.5	.086	.087	14.600	.060				17.80	41.00			803.
74	4	1240	15.1	.077	.040	12.700	.030				25.60	41.80			800.
74	4	1240	11.3	.054	.040	10.600	.010				10.70	42.00			798.
74	4	7 640	9.9	.047	.020	9.200	.010				11.70	42.00			803.
74	4	7 1140	9.5	.023	.030	8.000	.050					63.00			735.
74	4	7 1740	9.5	.112	.040	6.500	.170				15.40	63.00			732.
74	4	7 2340	9.8	.114	.03	4.000	.120				26.40	63.00			726.
74	6	8 540	8.4	.085	.020	7.800	.120				23.40	63.00			733.
74	6	8 1140	8.0	.103	.030	7.500	.110				24.00	63.00			736.
74	6	8 1740	7.7	.084	.040	7.000	.180				13.90	62.00			723.
74	6	8 2340	7.4	.086	.040	6.500	.160				19.00	62.00			735.
74	6	8 540	6.7	.087	.040	6.500	.150				20.10	62.00			734.
74	6	7 1140	6.4	.087	.040	6.100	.130				18.60	62.00			734.
74	6	8 1740	6.4	.074	.040	5.900	.140				16.80	62.00			724.
74	6	8 2340	5.7	.068	.060	5.600	.140				22.20	63.00			736.
74	6	1 540	5.4	.077	.050	5.200	.140				22.10	63.00			736.
74	6	1 1140	5.1	.084	.050	5.000	.120				19.70	63.00			736.
74	6	1 1740	4.2	.094	.060	4.000	.150				20.10	63.00			740.
74	6	1 2340	3.9	.080	.060	3.200	.140				20.70	63.00			745.
74	6	14 140	3.0	.087	.060	2.500	.110				31.60	64.00			735.
74	6	14 1740	2.9	.087	.080	2.100	.100				33.50	63.00			740.
74	6	14 1740	2.9	.177	.100	2.000	.020				21.00	45.00		.40	694.
74	6	15 1300	2.8	.197	.150	1.500	.020		1.340		17.50	48.00		.40	706.
74	6	15 1500	2.8	.302	.230	1.400	.070				20.30	50.00		.40	710.
74	6	17 1300	2.8	.220	.170	1.200	.080				21.80	46.00		.40	698.
74	6	18 1300	2.8	.174	.120	1.000	.030				20.90	46.00		1.00	688.
74	6	19 1300	3.2	.174	.090	.900	.050				26.60	42.00		1.00	639.
74	6	2 1300	21.7	.194	.070	4.400	.020				56.00	44.00		.70	703.
74	6	2 1700	19.4	.177	.100	4.800	.020				43.70	54.00		.50	770.
74	6	2 1700	16.0	.187	.070	7.500	.040				41.70	61.00			822.
74	6	2 1700	8.0	.220	.110	6.500	.090		1.600		68.90	60.00			769.
74	6	4 1300	4.6	.149	.070	6.800	.170		2.700		32.00	56.00			754.
74	6	4 1300	3.7	.194	.170	5.900	.140		1.900		38.30	52.00			714.
74	6	4 1300	21.7	.225	.090	4.300	.060		2.100		92.40	42.00			784.
74	6	4 1300	34.8	.193	.060	7.800	.050		2.100		92.80	43.00			708.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

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
YR MO DY	HRS.													
76	6	26	100	43.3	.200	.080	9.500	.050		3.000	71.60	47.00		741.
76	6	26	700	41.5	.205	.060	8.200	.050		1.900	81.10	44.00		727.
76	6	26	1300	33.3	.210	.090	9.000	.060		1.900	47.90	52.00		745.
76	6	27	1300	13.1	.177	.080	10.000	.060		1.700	41.00	48.00		750.
76	6	28	700	11.0	.141	.060	10.900	.020		1.700	33.00	44.00		726.
76	6	28	1300	7.0	.145	.070	10.700	.190			24.10	42.00		731.
76	6	29	1300	3.0	.142	.050	9.800	.080			22.80	42.00		722.
76	6	30	1534	3.4	.133	.050	7.800	.090			19.00	42.00		723.
76	7	1	100	3.7	.146	.060	7.000	.060			28.90	42.00		726.
76	7	1	1300	3.2	.140	.060	6.300	.050			17.80	43.00		736.
76	7	2	100	3.0	.166	.070	5.700	.060			27.40	42.00		724.
76	7	2	700	2.9	.125	.050	5.400	.080			25.10	42.00		729.
76	7	2	1010	2.4	.126	.080	5.400	.110			22.50	46.00		
76	7	2	2200	2.4	.154	.100	4.700	.060			26.80	46.00		
76	7	3	1000	2.8	.115	.070	4.200	.040			20.40	47.00		
76	7	3	2200	2.8	.180	.130	3.900	.220			25.60	48.00		
76	7	4	1000	1.7	.107	.060	3.300	.090			20.80	48.00		
76	7	4	2200	1.7	.141	.080	3.000	.120			26.60	48.00		
76	7	5	700	1.4	.136	.090	2.900				12.20	50.00		
76	7	5	1140	1.4	.110		3.100				16.00	45.00		688.
76	7	5	1900	1.4	.202	.160	3.000	.010			14.20	46.00		687.
76	7	6	700	1.2	.190	.140	2.600	.020			18.20	45.00		694.
76	7	6	1900	1.2	.217	.170	2.100	.040			13.70	46.00		686.
76	7	7	700	1.0	.212	.170	2.100	.050			17.80	46.00		692.
76	7	7	1900	1.0	.194	.140	1.500	.120			14.50	46.00		680.
76	7	8	700	1.0	.282	.220	1.600	.120			16.10	45.00		656.
76	7	8	1900	1.0	.215	.160	1.200	.120			14.60	47.00		660.
76	7	9	700	1.5	.240	.170	1.600	.130			35.90	46.00		666.
76	7	9	1900	1.5	.154	.100	1.000	.090			18.30	46.00		664.
76	7	10	700	2.1	.166	.090	.800	.080			23.80	49.00		688.
76	7	10	1900	2.1	.204	.120	.700	.080			15.40	52.00		687.
76	7	11	700	1.6	.192	.070	.500	.130			22.40	52.00		693.
76	7	11	1900	1.6	.197	.070	.800	.040			19.50	55.00		692.
76	7	12	100	1.1	.200	.090	.900	.070			44.60	55.00		699.
76	7	12	1300	1.1	.198	.130	1.600				18.60	54.00		679.
76	7	13	100	.8	.283	.150	1.300				44.30	54.00		681.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	HRS.											
76	7	13	1300	.8	.339	.250	1.300	.030						
76	7	14	100	.7	.265	.170	1.100	.030						674.
76	7	14	1300	.7	.341	.240	1.100	.060		27.30	53.00			667.
76	7	15	100	.6	.331	.200	1.400	.150			52.00			674.
76	7	15	1300	.6	.385	.230	1.600	.150		24.50	51.00			669.
76	7	16	100	.7	.467	.230	1.900	.180		19.20	50.00			677.
76	7	16	1300	.7	.581	.340	1.400	.320		29.70	51.00			626.
76	7	17	100	.7	.342	.200	1.100	.090		16.00	52.00			615.
76	7	17	1300	.7	.325	.210	.700	.090		25.90	50.00			635.
76	7	18	100	.7	.298	.200	.700	.080		10.90	50.00			648.
76	7	18	1300	.7	.398	.230	.800			22.50	49.00			640.
76	7	19	100	.6	.286	.200	.370	.180		14.50	50.00			652.
76	7	19	700	.6	.308	.230	.480	.150		16.90	49.00			637.
76	7	19	1300	.6	.310	.310	.900	.020		15.80	50.00			651.
76	7	20	100	.5	.310	.310	.700	.020		7.10	50.00			652.
76	7	20	1300	.5	.350	.350	.700	.080		20.50	52.00			663.
76	7	21	100	.5	.386	.360	.600	.070		10.80	51.00			669.
76	7	21	1300	.5	.925	.830	2.500			23.50	52.00			666.
76	7	22	100	.7	.647	.610	1.000	.090		14.40	99.00			880.
76	7	22	1300	.7	.616	.600	.800	.210		21.60	43.00			681.
76	7	23	100	1.2	.505	.480	.700	.220		19.90	53.00			633.
76	7	23	1300	1.2	.843	.740	1.500	.460		20.30	48.00			592.
76	7	24	100	1.9	.270	.270	.500	.130		46.50	104.00			805.
76	7	24	700	1.9	.273	.270	.600	.120		21.10	39.00			548.
76	7	24	1900	1.9	.252	.240	.600	.170		20.90	39.00			573.
76	7	25	100	3.7	.245	.190	.400	.120		17.90	42.00			551.
76	7	25	700	22.3	.226	.100	.100	.160		21.90	46.00			574.
76	7	25	1300	38.9	.242	.120	.300	.070		42.30	48.00			607.
76	7	25	1900	32.5	.360	.190	1.200	.320		97.50	47.00			710.
76	7	26	100	23.7	.423	.190	2.800	.180		84.60	75.00			758.
76	7	26	700	17.7	.375	.190	3.900	.060		138.00	55.00			560.
76	7	26	1300	13.6	.337	.200	4.900	.020		112.00	47.00			544.
76	7	27	100	7.7	.291	.190	4.500	.020		102.00	34.00			455.
76	7	27	1300	5.1	.261	.170	4.200	.050		78.40	33.00			453.
76	7	28	100	3.7	.261	.190	3.800	.130		64.10	32.00			464.
76	7	28	1300	3.0	.256	.150	3.200	.050		51.30	32.00			480.
										36.50	31.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION #/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME DATE 24 0 HR MIN SEC	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NH-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 7 20 100	1.0	.257	.170	2.800	.020				48.90	34.00			492.
76 7 20 1300	1.5	.213	.150	2.500	.050				27.20	33.00			494.
76 7 21 100	1.4	.244	.200	2.300	.070				24.80	34.00			503.
76 7 31 1300	1.4	.211	.160	1.900	.050				24.00	34.00			509.
76 7 31 100	1.3	.254	.220	1.700	.070				17.20	34.00			518.
76 7 31 1300	1.3	.199	.160	1.300	.050				19.70	34.00			518.
76 8 1 100	1.4	.319	.260	1.300	.160				19.90	35.00			509.
76 8 1 1300	1.4	.178	.130	1.000	.050				23.70	34.00			514.
76 8 2 100	1.0	.197	.160	.900	.050				15.40	35.00			512.
76 8 2 700	1.0	.200	.170	.900	.080				11.80	35.00			517.
76 8 2 1300	1.0	.188	.170	1.000	.070				24.30	41.00			514.
76 8 3 100	.7	.321	.320	1.300	.010				35.00	42.00			526.
76 8 3 1300	.7	.290	.290	1.300	.010				23.90	42.00			531.
76 8 4 100	.5	.256	.240	.800	.010				35.20	42.00			531.
76 8 4 1300	.5	.330	.330	1.100	.010				22.30	45.00			556.
76 8 5 100	.4	.280	.240	.700	.090				1.30	420.00			5440.
76 8 5 1300	.4	.370	.360	.800	.150				24.00	48.00			567.
76 8 6 100	.4	.460	.460	.800	.330				23.90	61.00			622.
76 8 6 1300	.4	.322	.310	.600	.140				15.50	43.00			550.
76 8 7 100	.5	.514	.470	.800	.630				33.90	58.00			619.
76 8 7 1300	.5	.542	.520	.900	.670				23.20	57.00			595.
76 8 8 100	.8	.547	.500	1.000	.560				31.40	55.00			572.
76 8 8 1300	.6	.446	.410	.800	.320				20.20	43.00			541.
76 8 9 100	.7	.250	.230	.700	.160				27.80	38.00			544.
76 8 9 700	.7	.205	.190	.500	.120				24.40	42.00			543.
76 8 9 1300	.7	.190	.150	.500	.010				40.50	44.00			527.
76 8 1 100	.6	.251	.240	.600	.020				26.30	45.00			534.
76 8 1 700	.6	.210	.200	.500	.010				21.80	45.00			535.
76 8 10 1300	.6	.240	.240	.600	.020				26.50	45.00			543.
76 8 10 1900	.6	.180	.180	.500	.030				22.50	48.00			550.
76 8 11 100	1.0	.220	.220	.600	.050				20.00	53.00			565.
76 8 11 700	1.0	.250	.250	.500	.040				18.50	53.00			572.
76 8 11 1300	1.0	.290	.290	.600	.080				22.50	52.00			584.
76 8 11 1900	1.0	.261	.250	.600	.030				20.10	52.00			578.
76 8 12 100	.7	.230	.230	.400	.140				17.80	53.00			572.
76 8 12 700	.7	.240	.240	.600	.030				23.00	52.00			576.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION WADSW : AT PITTSVILLE, OHIO

USGS NO. 04197300

DATE	TIME	TEMP	TOTAL PHOS.	ORTHOPHOS.	NITROGEN	AMMONIA	ORG. NIT.	TOTAL KJEL	COD	SUSPENDED SOLIDS	CHLORIDE	SIOR	IRON	COND
MM/DD/YY	HH:MM	°C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMMO
76	11	13.0	0.7	0.291	0.287	0.707	0.075							
76	11	13.0	0.7	0.317	0.31	0.750	0.130			23.10	51.00			581.
76	11	13.0	3.0	0.305	0.290	0.500	0.160			14.40	50.00			571.
76	11	13.0	7.7	0.314	0.117	1.500	0.050			13.90	50.00			562.
76	11	13.0	6.4	0.204	0.111	1.700	0.020			164.00	41.00			507.
76	11	13.0	5.1	0.227	0.125	1.400	0.050			112.00	37.00			525.
76	11	13.0	4.4	0.147	0.125	1.400	0.020			73.00	41.00			571.
76	11	13.0	3.3	0.140	0.107	1.200	0.030			73.80	46.00			614.
76	11	13.0	3.4	0.180	0.160	1.100	0.130			52.10	52.00			663.
76	11	13.0	2.8	0.201	0.150	1.000	0.270			25.60	69.00			734.
76	11	13.0	2.7	0.169	0.135	0.700	0.190			25.90	33.00			733.
76	11	13.0	1.1	0.195	0.161	0.600	0.180			20.50	67.00			691.
76	11	13.0	0.9	0.317	0.190	0.500	0.170			17.80	64.00			666.
76	11	13.0	0.6	0.324	0.290	0.600	0.280			15.40	63.00			658.
76	11	13.0	0.6	0.347	0.300	0.600	0.260			11.20	62.00			670.
76	11	13.0	0.5	0.294	0.170	0.500	0.190			12.80	64.00			665.
76	11	13.0	0.1	0.32	0.320	0.900	0.030			14.50	62.00			657.
76	11	13.0	0.4	0.340	0.340	0.800	0.020			10.20				659.
76	11	13.0	0.4	0.500	0.500	1.000	0.150			16.60				663.
76	11	13.0	0.4	0.560	0.510	1.100	0.150			12.00				686.
76	11	13.0	0.4	0.607	0.580	0.900	0.110			19.60				721.
76	11	13.0	0.3	0.591	0.530	0.700	0.350			13.00				715.
76	11	13.0	0.3	0.601	0.510	0.600	0.450			12.50				703.
76	11	13.0	0.3	0.584	0.500	0.600	0.380			17.60				696.
76	11	13.0	0.3	0.482	0.480	0.600	0.038			23.20				727.
76	11	13.0	0.1	0.607	0.600	1.200	0.086			10.80	72.90		1.50	711.
76	11	13.0	0.1	0.613	0.613	1.370	0.073			12.00	83.90		0.50	775.
76	11	13.0	0.1	0.710	0.710	1.280	0.672			13.20	87.20		0.60	796.
76	11	13.0	0.1	0.723	0.710	1.080	0.858			13.70	94.30		0.40	852.
76	11	13.0	0.1	0.532	0.656	0.950	0.793			14.30	93.30		0.40	856.
76	11	13.0	0.1	0.727	0.730	0.950	0.986			12.60	84.40		0.40	828.
76	11	13.0	0.1	0.771	0.744	1.170	0.926			12.10	99.30		0.30	905.
76	11	13.0	0.1	0.930	0.800	0.770				29.30	110.00		0.70	996.
76	11	13.0	0.1	1.010	0.856	0.920	0.002			27.30	113.00		0.75	989.
76	11	13.0	0.1	1.200	0.955	1.710	0.054			19.50	118.00		0.95	1035.
76	11	13.0	0.1	1.200	0.960	1.780	0.010			21.30	124.00		0.47	1096.
										23.50	128.00		0.93	1117.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME DATE 24:00 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 9 7 1300	.1	1.180	.934	3.730	.009				12.90	129.00		.87	1142.
76 9 7 1900	.1	1.150	.914	3.560	.026				21.60	133.00		.63	1171.
76 9 8 100	.1	1.230	.941	3.600	.015				13.60	139.00		.82	1222.
76 9 8 700	.1	1.290	1.000	3.780	.029				23.40	142.00		.85	1257.
76 9 8 1300	.1	1.280	.975	3.690	.043				17.90	144.00		.59	1272.
76 9 8 1900	.1	1.320	.978	3.700	.091				25.50	145.00		.58	1298.
76 9 9 100	.4	1.470	1.040	3.970	.154				37.50	150.00		.91	1337.
76 9 9 700	.4	1.440	1.050	3.780	.312				39.60	150.00		.94	1361.
76 9 9 1300	.4	1.420	1.040	3.500	.522				25.30	151.00		.63	1371.
76 9 9 1900	.4	1.070	.755	2.290	.675				34.60	112.00		2.39	823.
76 9 10 100	.7	1.190	.933	2.550	.216				11.80	51.50		.75	463.
76 9 10 700	.7	1.100	.908	1.610	1.020				10.00	45.80		.77	444.
76 9 10 1400	.7	.988	.818	1.300	.911				16.80	48.20		.74	461.
76 9 10 1900	.7	.814	.662	1.030	.504				29.40	44.80		.98	461.
76 9 11 100	.5	.695	.567	.780	.413				19.40	44.90		.76	490.
76 9 11 700	.5	.567	.481	.570	.318				12.20	44.80		.65	507.
76 9 11 1300	.5	.544	.438	.510	.291				11.90	45.00		.64	521.
76 9 11 1900	.5	.585	.472	.600	.300				24.10	47.90		.33	541.
76 9 12 100	.5	.455	.389	.400	.125				17.20	39.50		.54	526.
76 9 12 700	.5	.462	.414	.410	.230				11.20	39.00		.47	530.
76 9 12 1300	.5	.534	.480	.480	.387				13.40	40.20		.43	534.
76 9 12 1900	.5	.535	.477	.530	.236				15.40	40.20		.41	539.
76 9 13 100	.5	.548	.412	.460	.140				9.50	35.10		.41	529.
76 9 13 700	.5	.469	.391	.400	.159				11.80	31.90		.37	523.
76 9 13 1300	.5	.447	.430	1.100	.050				10.40	31.00			517.
76 9 13 1900	.5	.524	.510	1.320	.025				3.70	36.00			535.
76 9 14 100	.6	.526	.490	1.430	.030				12.50	38.00			552.
76 9 14 700	.6	.428	.370	.950	.150				6.40	37.00			543.
76 9 14 1300	.6	.503	.470	1.150	.050				9.20	42.00			564.
76 9 14 1900	.6	.587	.550	1.240	.120				10.00	45.00			578.
76 9 17 1300	.6	.702	.570	.900	.430				25.30	64.00			587.
76 9 17 1900	.6	.578	.530	.730	.280				10.40	63.00			593.
76 9 18 100	.5	.588	.540	.770	.330				10.50	69.00			634.
76 9 18 700	.5	.543	.470	.680	.300				9.60	63.00			614.
76 9 18 1300	.5	.484	.430	.580	.250				12.60	60.00			608.
76 9 18 1900	.5	.475	.440	.520	.170				7.00	60.00			599.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME DATE	TIME 24H	FLOW CFS	TOTAL PHOS. MG/L	ORTHOP. PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL NITRO MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMMO
76	8 10 1000	.4	.536	.470	.600	.120				9.60	65.00			630.
76	8 10 700	.4	.484	.420	.620	.190				12.70	57.00			612.
76	8 10 1300	.4	.313	.260	.380	.150				17.40	54.00			587.
76	8 10 1900	.4	.265	.210	.380	.160				5.30	53.00			594.
76	8 2 1300	1.0	.253	.213	.360	.027				9.60	55.90			603.
76	8 2 1300	1.1	.216	.155	.260	.444				10.30	61.10			619.
76	8 2 1300	1.0	.207	.163	.130	.163				7.90	67.70			660.
76	8 23 1300	1.0	.135	.096	.160	.090				7.80	68.20			725.
76	8 24 1300	1.1	.145	.117	.250	.067				8.60	63.40			761.
76	8 25 1300	.8	.193	.163	.430	.080				10.00	62.10			783.
76	8 26 1300	.7	.420	.383	.500	.759				6.80	66.60			823.
76	8 27 700	.9	.343	.284	.440	.277				10.90	56.30			723.
76	8 27 1300	.9	.276	.276	.770	.077				9.40	59.70			725.
76	8 28 1300	1.3	.173	.173	.340	.086				7.30	58.90			762.
76	8 29 1300	2.0	.121	.121	.130	.093				9.30	85.00			887.
76	9 3 1900	1.4	.136	.102	.240	.087				12.00	86.10			849.
76	9 1 1300	1.0	.157	.145	.350	.092				14.50	83.00			836.
76	9 1 1300	.7	.182	.182	.270	.243				10.30	86.00			872.
76	9 3 1300	.5	.195	.195	.290	.115				7.70	85.20			867.
76	9 4 700	.4	.216	.190	.300	.067				9.80	84.20			855.
76	9 4 1400	.4	.231	.197	.480	.128				4.50	78.90			858.
76	9 5 1300	.4	.326	.262	.400	.144				11.30	79.70			870.
76	9 6 1300	.7	.704	.621	.280	.988				5.00	80.80			896.
76	9 7 1300	.3	.531	.447	.200	.368				6.70	70.30			753.
76	9 9 1300	.4	.342	.307	.090	.143				2.50	70.00			776.
76	9 9 1300	.5	.512	.448	.210	.500				2.60	71.20			793.
76	9 10 1300	.9	.134	.113	.080	.054				1.60	63.90			744.
76	9 11 700	.9	.143	.120	.080	.083				5.50	69.70			765.
76	9 11 1300	.9	.211	.166	.240	.034				4.90	75.80			782.
76	9 12 1300	.9	.174	.161	.100	.043				3.60	75.90			796.
76	9 13 1300	.7	.240	.231	.110					3.10	76.00			807.
76	9 14 1300	.8	.268	.246	.060	.037				3.30	75.00			812.
76	9 15 1300	.6	.311	.305	.070	.164				3.10	75.80			823.
76	9 16 1300	.5	.322	.227	.090	.063				1.50	74.50			828.
76	9 17 1300	.5	.333	.295	.090	.083				2.30	73.80			834.
76	9 18 700	.5	.339	.318	.130	.316				1.70	74.70			852.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

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
YR MO DY	HRS.													
76	10	16	1300	.5	.347	.347	.100	.231		4.90	79.50			838.
76	10	19	1300	.4	.352	.340	.130	.224		3.70	78.30			824.
76	10	20	1300	.6	.679	.621	.250	.254		7.00	87.60			878.
76	10	21	1300	.7	.410	.375	.090	.129		3.50	76.20			792.
76	10	22	1300	.7	.266	.258	.100	.156		3.00	76.70			814.
76	10	23	1300	.7	.258	.258	.100	.228		4.60	77.00			808.
76	10	24	1300	1.0	.337	.324	.170	.242		4.60	77.70			783.
76	10	25	700	1.1	.193	.193	.080	.047		5.20	79.20			835.
76	10	25	1300	1.1	.192	.126	.140	.361		.60	76.10	4.40		851.
76	10	26	1300	1.1	.174	.123	.100	.110		1.30	80.90	5.30		891.
76	10	27	1300	1.1	.199	.149	.110	.171		2.60	79.50	4.90		886.
76	10	28	1300	1.1	.174	.123	.110	.189		1.90	75.10	4.40		861.
76	10	29	1300	1.1	.137	.091	.100	.090		2.60	72.50	4.50		837.
76	10	30	1300	1.1	.143	.106	.110	.084		4.20	72.20	4.50		839.
76	10	31	1300	1.4	.249	.180	.200	.245		4.20	79.70	3.70		853.
76	11	1	700	1.4	.151	.088	.120	.119		2.80	77.10	4.03		863.
76	11	1	1300	1.4	.127	.118	.130	.208		4.10	74.30	4.68		841.
76	11	2	1300	1.6	.131	.108	.110	.181		1.70	75.40	5.70		850.
76	11	3	1300	1.6	.084	.077	.080	.116		8.50	81.70	4.70		906.
76	11	4	1300	1.5	.083	.071	.100	.142		6.50	84.30	3.92		930.
76	11	5	1300	1.4	.116	.054	.180	.166		21.20	83.30	4.37		927.
76	11	6	1300	1.3	.115	.069	.210	.228		14.20	80.20	3.73		892.
76	11	7	1300	1.2	.133	.066	.400	.121		6.20	71.70	1.75		927.
76	11	8	1300	1.1	.184	.118	.160	.376		5.50	80.60	3.46		962.
76	11	9	1300	1.0	.242	.182	.180	.478		5.90	85.70	3.35		988.
76	11	10	1300	.7	.581	.478	.230	1.600		5.10	91.90	3.81		1027.
76	11	11	1300	.7	.516	.399	.250	1.020		5.80	90.60	3.07		1028.
76	11	12	1300	.9	.440	.347	.180	.847		7.30	90.70	3.89		1030.
76	11	13	1300	.8	.333	.246	.190	.610		7.70	89.00	3.59		1034.
76	11	14	1300	.4	.557	.437	.200	1.530		6.20	95.40	3.23		1087.
76	11	15	1300	.4	.584	.483	.290	1.930		5.30	97.50			1097.
76	11	16	1300	.8	.646	.529	.390	1.800		3.80	102.00			1132.
76	11	17	1300	.8	.597	.498	.300	1.490		3.90	101.00			1128.
76	11	18	1300	.7	.302	.237	.290	.452		2.90	92.10			1061.
76	11	19	1300	.7	.287	.223	.310	.324		3.90	90.40			1033.
76	11	20	1300	.7	.378	.284	.280	.485		3.40	88.80			1017.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME DATE 24 HRS YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NO-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 21 1300	.7	.519	.405	.290	.929				3.40	90.70			1039.
76 11 22 700	.7	.303	.237	.290	.414				3.00	89.60			1040.
76 11 22 1300	.7	.354	.283	.330	.637				4.70	90.60	3.85		1022.
76 11 23 1300	.7	.264	.205	.330	.230				4.60	92.40	3.08		1037.
76 11 24 1300	.7	.586	.489	.290	1.380				6.50	101.00	2.92		1136.
76 11 25 1300	.7	.747	.619	.300	1.660				4.10	106.00	4.38		1183.
76 11 26 1300	.7	2.000	2.000	.250	2.000				10.70	161.00	9.10		1679.
76 11 27 1300	.7	.441	.255	.230	.460					93.60	2.01		992.
76 11 28 1300	.7	.226	.143	.210	.202				2.70	85.80	2.80		943.
76 11 29 700	.7	.399	.299	.210	.707				4.40	97.40	3.80		1051.
76 12 6 1300	.5	1.240	1.240	2.730	.034		4.900		9.50	118.00	3.92		1259.
76 12 7 1300	.5	.783	.489	1.920	.028		4.200		10.60	103.00	4.25		1341.
76 12 8 1300	.5	.596	.567	1.470	.836		3.900		8.00	105.00	2.81		1243.
76 12 9 1300	.4	.666	.411	.650	1.010		5.000		7.30	106.00	2.92		1299.
76 12 10 1300	.4	.505	.249	.470	.515		4.800		6.40	99.70	2.48		1314.
76 12 11 1300	.4	.324	.254	.390	.668		3.700		5.90	97.10	1.88		1233.
76 12 12 1300	.4	.360	.346	.370	1.310		5.200		11.30	97.70	1.98		1204.
76 12 13 700	.4	.429	.346	.410	.279		8.300		5.90	106.00	3.68		1278.
76 12 13 1300	.4	.452	.343	.330	1.330		2.300		5.50	104.00	1.49	.26	1322.
76 12 14 1300	.4	.555	.429	.300	1.440		2.400		4.30	112.00	1.67	.14	1472.
76 12 15 1300	.4	.331	.255	.290	.678		1.400		4.80	112.00	1.07	.15	1499.
76 12 16 1300	.4	.244	.160	.290	.394		1.000		2.90	108.00	.84	.15	1462.
76 12 17 1300	.4	.216	.150	.320	.427		1.400		3.60	106.00	1.04	.12	1407.
76 12 18 1300	.4	.255	.185	.360	.618		1.200		4.80	106.00	1.03	.13	1410.
76 12 19 1300	.4	.263	.186	.390	.596		1.300		6.20	104.00	1.12	.19	1364.
76 12 20 700	.4	1.800	1.440	.380	2.000		8.000		11.10	143.00	4.91	.55	1634.
76 12 20 1300	.4	.507	.424	.520	1.880		3.100		5.60	120.00	3.36		1242.
76 12 21 700	.4	.102	.067	.440	.161		.900		5.00	93.90	2.61		1077.
76 12 21 1300	.4	.197	.129	.740	.346		1.200		11.10	108.00	3.64		1331.
76 12 23 1300	.4	.190	.086	.470	.192		3.900		17.00	106.00	2.15		1341.
76 12 24 1300	.4	.567	.057	.690	.145		7.000		116.00	107.00	2.21		1410.
76 12 25 1300	.4	.190	.127	.850	.240		1.000		3.60	107.00	2.75		1406.
76 12 26 1300	.4	.192	.140	.840	.427		1.100		4.00	103.00	2.39		1339.
76 12 27 100	.4	.208	.155	.870	.496		1.200		4.00	103.00	1.87		1281.
76 12 27 1300	.4	.224	.128	.910	.292		1.100		11.30	102.00	2.48		1288.
76 12 28 1300	.4	.213	.143	.820	.321		1.300		15.10	100.00	2.24		1249.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME DATE 2400 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOP 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 29 1300	.4	.156	.144	.760	.292		.900		10.20	100.00	2.65		1263.
77 1 1 1300	.3	.265	.205	.780	.620		1.560		6.80	111.00	2.38		1445.
77 1 2 1300	.3	.246	.181	.820	.570		1.150		4.80	114.00	3.24		1486.
77 1 3 700	.3	.283	.199	.840	.742		19.300		4.80	114.00	2.31		1487.
77 1 3 1300	.3	.261	.189	.780	.538				6.50	111.00			1442.
77 1 4 1300	.3	.216	.174	.770	.371				39.20	111.00			1419.
77 1 5 1300	.3	.216	.177	.810	.349				5.30	110.00			1426.
77 1 6 1300	.3	.251	.205	.890	.439				6.50	112.00			1412.
77 1 7 1300	.3	.217	.173	.760	.373				5.20	110.00			1437.
77 1 8 1300	.3	.224	.185	.830	.540				5.00	110.00			1410.
77 1 9 1300	.3	.245	.199	.830	.442				5.00	112.00			1449.
77 1 10 700	.3	.297	.241	.850	.652				5.30	111.00			1425.
77 1 11 1900	.3	.240	.211	.880	.430				2.90	111.00			1429.
77 1 12 1900	.3	.305	.271	.950	.622				2.50	115.00			1461.
77 1 13 1900	.3	.276	.222	.980	.555				6.30	116.00			1508.
77 1 14 1900	.2	.309	.261	.910	.835				2.20	117.00			1497.
77 1 15 1900	.2	.270	.214	.900	.675				2.50	117.00			1478.
77 1 16 1900	.2	.349	.280	.980	.838				3.30	118.00			1494.
77 1 17 1900	.2	.739	.739	1.030	.768				2.10	119.00			1532.
77 1 18 700	.2	.471	.387	1.020	1.270				2.30	120.00			1534.
77 1 18 1300	.2	.423	.364	.970	1.080				6.20	122.00	5.00		1535.
77 1 19 1300	.2	.363	.281	.870	1.030				5.10	123.00	5.11		1546.
77 1 20 1300	.2	.307	.263	.890	.851				3.90	122.00	4.80		1523.
77 1 21 1300	.2	.292	.249	.890	.769				3.70	121.00	5.14		1485.
77 1 22 1300	.2	.264	.210	.890					4.60	5.00	5.84		480.
77 1 23 1300	.2	.265	.241	.890	.852				4.60	122.00	5.34		1510.
77 1 24 1300	.2	.293	.250	.920	.961				3.70	125.00	5.19		1543.
77 1 25 1300	.2	.245	.116	.830	.715				3.80	131.00	5.03		1629.
77 1 26 1300	.2	.234	.201	.890	.579				2.70	134.00	5.22		1601.
77 1 27 1300	.2	.226	.193	.810	.755				2.20	182.00	5.99		1613.
77 1 28 1300	.2	.223	.189	.860	.850				3.60	143.00	5.31		1615.
77 1 29 1300	.2	.223	.204	.900	.889				2.80	141.00	6.46		1611.
77 1 30 1300	.2	.246	.181	.970	1.000				2.80	142.00	5.88		1617.
77 1 31 700	.2	.324	.265	.980	1.400			1.00	6.70	140.00	6.50	1.00	1599.
77 2 2 1900	.2	.424	.246	1.010	1.140				4.10	120.00	4.68		1498.
77 2 3 1900	.2	.334	.247	1.000	1.030				1.50	118.00	4.84		1452.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING DATE	TIME	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. UMH0
77	4 1900	.0	.301	.233	1.040	1.050				4.30	117.00	5.03		1417.
77	6 1900	.0	.541	.266	1.110	1.090				48.70	113.00	5.13		1379.
77	7 1300	.2	.522	.347	1.010	1.640				53.60	139.00	7.90		1397.
77	7 1900	.2	.394	.324	1.020	1.400				7.20	131.00	7.78		1393.
77	8 1600	.2	.422	.234	1.050	.909				18.00	131.00	5.81		1332.
77	8 1700	.2	.347	.287	1.060	1.030				4.70	134.00	5.92		1348.
77	8 2200	.2	.386	.323	1.130	1.910				5.40	145.00	5.74		1427.
77	9 11 100	.0	.421	.357	1.080	1.550				5.90	154.00	5.65		1505.
77	9 11 400	.2	.392	.329	1.040	1.430				5.40	149.00	5.76		1466.
77	9 11 700	.2	.354	.291	1.010	1.480				4.10	144.00	5.63		1435.
77	9 11 1000	.0	.314	.258	1.040	1.120				4.90	145.00	5.61		1450.
77	9 11 1300	.2	.291	.221	1.060	.935				9.70	159.00	5.34		1536.
77	9 11 1400	.2	.321	.251	1.110	1.090				10.10	177.00	5.03		1688.
77	9 11 1900	.2	.373	.270	1.300	1.330				12.20	173.00	4.66		1581.
77	9 11 2200	.2	.312	.226	1.280	1.090				10.00	172.00	4.93		1594.
77	9 12 100	.2	.675	.675	1.380	.974				10.10	158.00	4.85		1426.
77	9 12 400	.2	.710	.710	1.600	.715				8.00	132.00	4.63		1167.
77	9 12 700	.2	.296	.207	1.850	.747				5.90	124.00	4.67		1109.
77	9 12 1000	.2	.284	.206	2.110	.699				6.60	120.00	4.91		1109.
77	9 12 1300	.4	.238	.167	2.280	.626				6.80	123.00	4.97		
77	9 12 1600	.4	.243	.140	2.140	.610				9.90	156.00	4.55		
77	9 12 1900	.4	.274	.180	2.280	.958				9.80	132.00	4.91		1177.
77	9 12 2200	.4	.310	.196	2.370	.724				12.60	115.00	4.77		1033.
77	9 13 100	.4	.344	.223	2.570	.641				13.00	106.00	5.08		928.
77	9 13 400	.4	.320	.194	2.670	.469				11.60	98.00	4.93		863.
77	9 13 700	.4	.316	.171	2.700	.379				11.40	93.40	4.92		836.
77	9 13 1000	.4	.281	.121	2.620	.474				9.90	92.00	4.79		835.
77	9 13 1300	.4	.270	.121	2.490	.302				9.10	93.10	4.84		838.
77	9 13 1600	.4	.264	.124	2.360	.380				7.90	91.70	4.88		832.
77	9 13 1900	.4	.247	.115	2.260	.314				6.10	91.80	4.94		831.
77	9 13 2200	.4	.260	.131	2.240	.596				7.00	93.40	5.07		826.
77	9 14 100	.4	.252	.124	2.220	.422				6.40	94.90	5.14		834.
77	9 14 1300	.4	.250	.138	2.220	.459				8.60	98.40	5.29		893.
77	9 15 100	1.5	.237	.145	2.230	.455				6.40	99.60	5.95		918.
77	9 15 1300	1.5	.204	.120	2.240	.425				10.10	110.00	6.06		1003.
77	9 15 1500	42.0	.221	.145	2.180	.506				6.70	115.00	5.77		1056.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SIO2	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	UMMO
77	2 16	1300	42.0	.181	.131	2.110	.462			7.50	119.00	5.52		1115.
77	2 17	110	41.0	.228	.173	2.040	.539			4.80	120.00	5.81		1140.
77	2 17	1300	41.0	.196	.142	1.940	.384			4.40	124.00	5.75		1184.
77	2 17	2200	41.0	.262	.191	1.900	.530			5.80	121.00	6.01		1160.
77	2 23	1600	20.0	.345	.134	1.790	.325	1.460		40.70	70.50	6.79		610.
77	2 23	1900	20.0	.262	.108	1.950	.409	1.350		33.50	67.30	6.50		588.
77	2 23	2200	20.0	.292	.088	2.730	.317	1.270		66.00	66.90	6.35		599.
77	2 24	100	267.0	.622	.103	3.200	.831	3.510		228.00	99.60	8.57		836.
77	2 24	400	267.0	.453	.141	2.890	1.150	3.260		136.00	100.00	9.35		785.
77	2 24	700	267.0	.509	.139	2.740	.788	2.830		182.00	83.40	6.12		625.
77	2 24	1000	267.0	.632	.179	2.570	.810	4.480		208.00	83.20	7.27		597.
77	2 24	1300	267.0	.656	.171	2.560	.614	5.970		271.00	72.70	6.85		511.
77	2 24	1600	267.0	.561	.141	2.570	.457	4.990		214.00	60.10	6.56		426.
77	2 24	1900	267.0	.452	.160	2.570	.415	3.260		219.00	52.00	5.99		390.
77	2 24	2200	267.0	.547	.127	2.670	.435	4.290		221.00	48.70	6.59		369.
77	2 25	100	304.0	.461	.138	2.680	.419	3.440		158.00	45.90	7.43		361.
77	2 25	400	304.0	.408	.140	2.830	.392	1.960		90.60	45.00	7.02		354.
77	2 25	700	304.0	.386	.144	3.010	.343	2.960		71.10	44.30	7.33		350.
77	2 25	1000	304.0	.414	.143	3.170	.327	1.350		78.40	44.20	7.56		352.
77	2 25	1300	304.0	.369	.145	3.290	.337	2.420		87.90	44.30	6.67		364.
77	2 25	1600	304.0	.416	.144	2.950	.438	3.330		49.80	44.00	7.03		376.
77	2 25	1700	304.0	.398	.112	3.590	.316	4.820		159.00	48.80	8.01		379.
77	2 25	2000	304.0	.370	.137	3.670	.406	3.880		117.00	49.80	6.49		382.
77	2 25	2300	304.0	.303	.131	4.070	.287	2.950		71.60	50.00	6.58		386.
77	2 26	200	178.0	.335	.140	4.170	.283	1.900		98.30	52.00	6.09		392.
77	2 26	500	178.0	.273	.121	4.240	.443	1.440		42.00	53.40	6.17		401.
77	2 26	800	178.0	.249	.115	4.070	.300	1.700		39.50	52.20	5.89		403.
77	2 26	1100	178.0	.246	.121	4.080	.306	1.380		34.70	52.50	5.84		487.
77	2 26	1400	178.0	.240	.128	4.170	.320	1.640		33.80	53.10	7.07		416.
77	2 26	1700	178.0	.237	.126	4.160	.298	1.540		26.20	52.60	6.26		420.
77	2 26	2000	178.0	.239	.130	4.230	.614	2.010		23.50	53.80	5.46		425.
77	2 26	2300	178.0	.251	.104	4.170	.300	1.380		24.90	52.90	6.16		429.
77	2 27	200	242.0	.223	.121	4.320	.240	1.200		25.70	56.90	5.78		445.
77	2 27	500	242.0	.223	.115	4.780	.225	1.550		30.00	58.90	6.03		449.
77	2 27	800	242.0	.246	.115	4.860	.219	2.510		53.40	57.70	6.24		442.
77	2 27	1100	242.0	.461	.101	4.800	.152	4.420		171.00	55.80	6.35		443.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT PETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING DATE YR MO DY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NO-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
77	7 27 1400	242.0	.581	.103	4.500	.205		6.570		440.00	54.70	6.74		435.
77	7 27 1700	242.0	.423	.112	4.970	.183		1.560		221.00	55.40	5.60		416.
77	7 27 2000	242.0	.501	.113	5.020	.144		3.040		270.00	55.80	5.98		407.
77	7 27 2300	242.0	.422	.113	5.210	.172		1.460		203.00	53.50	6.41		390.
77	7 28 200	324.0	.363	.119	5.300	.187		1.290		157.00	52.30	6.96		379.
77	7 28 500	324.0	.365	.103	5.490	.134		.861		141.00	51.70	6.20		377.
77	7 28 800	324.0	.308	.124	5.540	.183		1.300		155.00	51.10	5.90		381.
77	7 28 1300	324.0	.481	.132	6.060	.249		5.400		367.00	45.40			393.
77	7 3 1 100	150.0	.254	.136	6.470	.202		2.970		79.10	47.80			419.
77	7 3 1 1300	150.0	.218	.126	6.480	.199		3.990		318.00	49.80			457.
77	7 3 2 100	97.0	.236	.125	6.410	.262		1.930		59.90	51.90			489.
77	7 3 2 1300	97.0	.225	.115	6.220	.272		2.140		17.40	52.10			497.
77	7 3 2 1900	97.0	.207	.110	6.150	.164		1.080		68.30	52.60	6.03	1.60	527.
77	7 3 3 1900	62.0	.161	.109	5.570	.299		.970		8.90	54.10	6.06	.70	539.
77	7 3 4 1900	171.0	.324	.108	6.110	.249		1.160		119.00	48.90	5.67	5.70	467.
77	7 3 5 100	389.0	.480	.116	6.700	.227		1.770		232.00	48.10	5.63	9.50	428.
77	7 3 5 700	389.0	.568	.110	6.970	.260		1.670		226.00	46.30	5.67	9.60	407.
77	7 3 5 1300	389.0	.416	.117	7.570	.268		1.980		139.00	45.10	5.58	7.90	405.
77	7 3 5 1900	389.0	.330	.113	7.610	.317		1.670		94.50	45.80	5.61	5.70	430.
77	7 3 6 1900	164.0	.196	.089	8.230	.254		1.450		29.30	50.80	6.05	2.30	516.
77	7 3 7 1300	92.3	.231	.078	7.990	.089				48.60	52.80	8.11		543.
77	7 3 8 1300	86.6	.182	.083	7.520	.222				37.30	54.40	7.82		568.
77	7 3 9 1300	64.5	.103	.074	6.580	.205				18.70	54.40	7.61		571.
77	7 3 10 1300	57.4	.129	.071	6.450	.226				16.10	54.30	8.25		570.
77	7 3 11 1300	43.3	.122	.075	6.160	.144				12.90	55.80	8.46		597.
77	7 3 12 1300	38.0	.162	.085	6.010	.196				19.20	57.50	8.45		624.
77	7 3 13 700	272.2	.296	.061	9.640	.145				173.00	61.10	8.60		608.
77	7 3 13 1300	315.5	.301	.063	10.200	.123				141.00	63.10	8.02		607.
77	7 3 13 1900	256.9	.253	.061	10.500	.116				82.20	61.50	7.94		595.
77	7 3 14 100	192.7	.199	.067	10.600	.234				45.70	59.70	9.15		596.
77	7 3 14 700	153.7	.173	.057	10.500	.093				42.50	59.70	8.38		610.
77	7 3 14 1300	128.7		.083	10.400	.072				47.00	59.20	9.08		625.
77	7 3 15 1300	71.4		.060	9.220	.106				15.40	60.00	9.23		654.
77	7 3 16 1300	44.1		.066	8.100	.097				25.90	60.80	9.81		684.
77	7 3 17 1300	28.1		.061	7.270	.071				10.40	62.80	8.75		705.
77	7 3 18 1300	287.9		.065	7.320	.105				194.00	50.70	7.52		552.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

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
77 3 16 1600	409.0		.077	8.220	.138				140.00	52.20	7.09		532.
77 3 16 1900	522.5		.073	8.480	.150				217.00	51.40	7.81		501.
77 3 18 2200	646.8		.078	8.300	.179				299.00	49.60	7.09		466.
77 3 19 100	724.5		.075	8.580	.149				189.00	45.00	7.11		436.
77 3 19 400	772.0		.083	9.110	.168				186.00	44.00	7.39		435.
77 3 19 700	718.8		.075	9.330	.193				144.00	42.90	7.07		439.
77 3 19 1000	630.7		.070	9.780	.154				99.20	43.90	7.37		453.
77 3 19 1600	389.2		.074	9.820	.153				82.50	43.90	7.33		454.
77 3 19 1900	118.5		.085	9.740	.100				113.00	43.40	7.71		454.
77 3 19 2200	279.9		.079	10.000	.078				105.00	44.50	8.03		450.
77 3 23 1300	239.9	.162	.043	9.110	.061				58.10	47.40	7.65	3.68	552.
77 3 24 100	327.3	.159	.044	9.370	.096				54.10	44.40	6.10	3.30	536.
77 3 24 1300	333.1	.163	.050	8.500	.142				42.80	41.10	7.32	3.50	482.
77 3 25 100	206.3	.118	.044	8.600	.064				26.90	41.80	7.33	2.30	527.
77 3 25 1300	142.4	.094	.038	8.750	.062				18.00	43.70	7.90	1.70	557.
77 3 26 100	144.0	.086	.041	8.550	.058				20.80	43.40	7.26	1.50	569.
77 3 26 1300	120.8	.079	.036	8.570	.071				14.00	44.30	7.07	1.20	590.
77 3 26 1600	116.1	.081	.028	6.660	.190				13.00	38.10	7.55	1.00	605.
77 3 27 400	103.3	.077	.036	8.370	.043				16.80	45.90	6.95	1.30	612.
77 3 27 1600	89.4	.073	.040	8.010	.101				16.80	44.30	6.51	1.10	621.
77 3 28 400	131.8	.143	.031	7.780	.060				44.20	46.50	6.80	3.30	597.
77 3 28 1300	348.1	.295	.075	7.930	.100				149.00	33.60	6.67	7.60	523.
77 3 29 100	522.5	.338	.075	8.450	.100				128.00	28.30	7.13	9.40	451.
77 3 29 1300	409.0	.247	.077	8.890	.131				85.50	28.70	7.55	6.20	468.
77 3 30 100	220.4	.174	.064	8.690	.085				63.00	31.10	7.96	3.80	505.
77 3 30 1300	148.9	.122	.055	8.680	.1810				39.90	34.10	6.64	2.00	543.
77 3 31 100	113.3	.102	.054	8.180	.069				35.40	35.10	7.80	1.80	570.
77 3 31 1300	73.1	.085	.058	7.820	.083				29.20	37.20	7.27	1.40	585.
77 3 31 2200	56.2	.084	.049	7.550	.066				26.50	38.70	7.67	1.20	610.
77 4 3 1300	259.3	.279	.057	7.490	.137				84.10	30.20	9.21	6.60	495.
77 4 3 1600	222.5	.250	.060	7.630	.241				43.70	29.40	9.17	5.70	501.
77 4 3 1900	189.0	.213	.061	7.600	.075				37.20	29.30	9.51	4.80	508.
77 4 3 2200	163.8	.199	.059	7.810	.037				33.30	30.70	8.17	4.10	520.
77 4 4 100	148.9	.176	.062	7.810	.219				34.50	31.20	9.39	3.70	533.
77 4 4 1300	114.5	.122	.046	8.070	.320				19.10	34.70	7.33	1.90	578.
77 4 5 100	95.2	.105	.043	7.860	.039				24.10	35.90	6.41	1.40	686.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION #/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING DATE	TIME	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
YR MO DY	HRS.													
77	4	5	1300	78.2	.080	.040	7.680	.129		13.50	37.70	6.69	.90	623.
77	4	6	100	63.3	.074	.047	7.300	.079		8.50	38.80	8.46	.50	631.
77	4	6	1300	49.7	.074	.043	7.000	.073		7.60	40.10	6.60	.40	640.
77	4	6	1300	43.3	.080	.038	6.050	.013		13.70	42.70	4.12	1.00	649.
77	4	7	1300	44.1	.052	.026	5.760	.026		13.50	43.80	2.66	.80	660.
77	4	8	1300	36.0	.052	.019	5.410	.035		15.70	44.30	2.30	1.00	671.
77	4	11	1300	23.0	.059	.026	4.000	.068		10.80	36.60	1.54	.40	648.
77	4	12	1300	18.2	.057	.021	3.340	.094		15.30	34.90	1.20	.50	657.
77	4	13	1300	16.1	.061	.022	3.490	.537		16.20	38.90	.94	.40	666.
77	4	14	1300	15.2	.061	.026	3.500	.160		16.50	42.30	1.46	.40	674.
77	4	15	1300	12.9	.059	.027	3.060	.104		15.90	39.70	.95	.20	683.
77	4	16	1300	9.5	.079	.022	2.870	.103		14.70	52.60	2.67	.80	731.
77	4	19	1300	9.2	.057	.018	2.660	.082		17.20	52.80	2.29	.60	735.
77	4	21	1300	8.4	.063	.015	2.340	.092		18.10	53.80	2.78	.50	736.
77	4	21	1300	7.7	.080	.018	2.010	.092		18.40	54.70	2.05	.70	745.
77	4	22	1300	8.1	.122	.039	1.750	.159		20.40	52.70	2.35	.80	729.
77	4	22	1300	228.7	.254	.068	10.780	.180		84.00	45.50	7.16	4.20	624.
77	4	24	1300	228.7	.154	.056	11.800	.271		35.60	43.90	9.20	2.00	622.
77	4	25	700	206.3	.150	.049	11.000	.161		28.70	41.30	8.04	2.30	623.
77	4	25	1300	261.9	.140	.067	11.200	.305		39.30	40.10	7.50	2.30	620.
77	4	26	1300	287.9	.135	.056	11.100	.258		33.90	37.70	7.30	2.40	606.
77	4	27	1300	179.7	.091	.047	10.900	.142		23.40	40.20	7.08	1.40	628.
77	4	28	1300	93.8	.068	.034	9.600	.065		19.10	40.20	5.64	.90	654.
77	4	29	1300	95.2	.061	.038	8.350	.814		9.00	40.80	5.45	.70	666.
77	4	31	1300	64.5	.054	.053	8.580	.133		11.30	39.60	5.68	.80	664.
77	5	1	1300	45.9	.047	.042	7.990	.073		12.60	40.50	5.17	.70	673.
77	5	2	700	40.6	.058	.020	6.550	1.990		23.40	41.80	2.20	.90	670.
77	5	2	1300	41.5	.061	.058	6.260	.055	1.650	11.80	44.40	3.63	.50	677.
77	5	3	1300	86.6	.070	.047	7.110	.062		17.90	43.80	4.46	.80	685.
77	5	4	1300	130.2	.180	.078	6.190	.099		46.30	40.60	4.28	2.90	686.
77	5	4	1300	239.9	.261	.091	6.800	.099		80.20	37.40	4.77	5.80	576.
77	5	4	1400	402.2	.354	.074	10.500	.147	2.080	134.00	30.50	6.43	9.10	525.
77	5	4	1900	518.0	.416	.104	10.600	.217	2.020	126.00	30.00	6.95	10.10	498.
77	5	4	2200	673.6	.403	.105	11.000	.174	2.220	127.00	28.30	7.13	9.90	480.
77	5	5	100	937.0	.405	.107	10.800	.156	2.470	119.00	26.40	7.25	9.80	457.
77	5	5	400	956.9	.391	.127	11.300	.217	2.540	103.00	25.70	7.60	9.30	448.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLING TIME DATE 24 H 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	CONC 25C. UNMO
77 4 5 700	862.6	.361	.113	11.300	.223		2.430		86.70	24.40	7.65	8.10	445.
77 4 5 1000	845.6	.325	.113	11.500	.198		2.250		61.80	24.90	8.22	6.80	459.
77 4 5 1300	730.2	.293	.113	11.700	.207		2.210		48.60	26.10	8.37	5.40	479.
77 4 5 1600	694.9	.254	.109	11.800	.185		2.110		46.10	27.50	8.58	4.50	500.
77 4 5 1900	477.9	.237	.106	11.600	.215		1.940		40.60	28.10	8.51	3.90	509.
77 4 5 2200	389.2	.232	.100	11.400	.225		1.710		37.30	29.20	8.56	3.70	527.
77 5 6 100	324.5	.205	.090	11.300	.175		1.890		37.10	30.60	8.60	3.30	537.
77 5 6 400	277.4	.188	.092	11.100	.134		1.420		37.20	30.80	8.42	3.00	548.
77 5 6 700	244.7	.178	.088	11.000	.151		1.600		36.00	31.60	8.39	2.70	553.
77 5 6 1000	216.2	.164	.084	10.900	.139		1.240		28.60	32.30	8.07	2.30	568.
77 5 6 1300	176.0	.143	.075	10.500	.149				19.80	33.70	8.19	1.90	573.
77 5 7 100	134.8	.129	.077	9.990	.142				20.50	34.80	8.25	1.60	596.
77 5 7 1300	98.4	.109	.076	9.500	.088				16.60	36.50	7.31	1.10	624.
77 5 8 100	71.8	.105	.071	9.120	.093				16.00	38.10	7.26	1.00	643.
77 5 8 1300	58.6	.089	.068	8.930	.167				10.20	38.50	6.21	.80	654.
77 5 9 100	46.9	.084	.071	8.870	.122				6.70	38.90	6.23	.80	675.
77 5 9 1300	37.1	.075	.055	7.580	.068				8.80	41.40	6.50	.70	669.
77 5 10 1300	26.6	.063	.053	7.080	.053				6.20	42.80	6.72	.60	681.
77 5 11 1300	20.6	.049	.045	6.790	.040				6.90	43.30	5.64	.50	685.
77 5 12 1300	16.1	.048		6.310	.050				6.70	44.00	4.82	.60	691.
77 5 13 1300	14.3	.045		5.920	.044				5.70	43.80	4.64	.50	683.
77 5 14 1300	12.9	.043		5.600	.058				6.70	44.40	4.00	.50	699.
77 5 15 1300	10.9	.042		5.110	.039				6.30	45.70	3.49	.50	705.
77 5 16 700	9.9	.039	.012	4.630	.025				4.90	46.70	3.68	.60	728.
77 5 16 1300	9.2	.049	.012	3.770	.116				11.20	45.50	1.35	.30	709.
77 5 17 1300	8.1	.054	.017	3.400	.057				15.40	44.70	1.38	.40	712.
77 5 18 1300	7.4	.054	.015	3.210	.046				14.70	45.90	1.27	.40	716.
77 5 19 1300	6.3	.072	.026	2.950	.085				9.20	46.70	1.63	.40	726.
77 5 20 1300	3.0	.070	.027	2.570	.135				8.10	46.70	1.79	.40	733.
77 5 21 1300	4.4	.080	.031	2.340	.120				16.90	46.80	1.22	.50	733.
77 5 22 1300	4.0	.087	.032	2.160	.148				21.70	47.60	1.32	.60	743.
77 5 23 700	3.4	.117	.033	2.120	.134				15.00	46.60	1.36	.80	723.
77 5 23 1300	3.8	.127	.098	1.760	.159		.310		12.40	54.80	1.71	.90	725.
77 5 24 1300	3.6	.108	.096	1.800	.140				13.20	55.90	2.37	.90	696.
77 5 25 1300	3.4	.126	.084	1.690	.108				16.60	54.00	2.67	1.10	712.
77 5 26 1300	3.0	.136	.088	1.610	.174				21.60	55.80	3.22	1.40	722.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : WOLF CREEK WEST BRANCH

LOCATION W/CODE : AT BETTSVILLE, OHIO

USGS NO. 04197300

SAMPLE DATE	TIME 24 H	FLOW CFS	TOTAL PHOS. MG/L	ORTHOP. PHOS. MG/L	NO-2 MG/L	NO-3 MG/L	ORG. NIT. MG/L	TOTAL NITROGEN MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SILIC MG/L	IRON MG/L	COND 25C. UMHQ
77	5-27	1300	2.7	.134	.094	1.530	.197			20.80	57.20	2.64	1.30	724.
77	5-28	1300	2.9	.124	.098	1.530	.220			27.20	57.20	2.73	1.40	723.
77	5-29	1300	2.4	.142	.082	1.390	.168			26.50	55.80	2.80	1.60	712.
77	6-3	700	2.1	.166	.092	1.340	.168	.820		26.60	56.10	2.86	1.60	725.
77	6-31	1300	1.8	.204	.045	.940	.102	1.060		31.70	50.50	2.00	1.90	734.
77	6-1	1300	1.7	.189	.052	.650	.239			21.90	50.50	2.49	1.20	715.
77	6-7	1300	1.0	.174	.049	.580	.292			15.60	50.70	2.64	1.10	732.
77	6-10	1300	1.8	.193	.059	.680	.405			15.10	51.00	2.27	1.10	729.
77	6-4	1300	1.7	.171	.041	.690	.278			16.40	51.00	2.90	1.30	730.
77	6-5	1300	2.0	.655	.239	.930	.877			45.30	74.40	3.14	1.90	830.
77	6-6	700	2.7	.215	.017	1.000	.179	.873		36.00	47.50	2.27	2.20	690.
77	6-6	1300	2.7	.208	.149	1.010	.165	.838		54.30	60.20	1.29	2.30	672.
77	6-7	1300	2.9	.150	.110	.980	.189			39.70	59.60	1.28	1.70	689.
77	6-8	1300	1.8	.166	.119	.940	.186			36.70	58.40	1.22	1.70	687.
77	6-9	1300	2.7	.154	.121	.980	.165			41.50	58.20	1.23	1.90	680.
77	6-10	1300	2.7	.156	.140	1.030	.176			44.50	60.80	1.03	1.90	708.
77	6-11	1300	2.4	.167	.137	1.010	.181			40.20	60.50	1.06	1.80	697.
77	6-12	1300	2.4	.167	.125	1.010	.156			41.70	59.30	1.19	1.90	713.
77	6-13	700	2.4	.154	.094	1.040	.136	.889		38.20	58.50	1.12	1.70	731.
77	6-14	1900	.7	.318	.214	.310	.298			24.70	57.00	4.38	.90	722.
77	6-15	1900	.7	.345	.278	.350	.402			18.00	56.80	3.68	.80	727.
77	6-16	1900	.6	.392	.243	.340	.434			21.20	57.80	3.83	.90	726.
77	6-17	1900	.8	.365	.250	.380	.308			22.70	55.60	3.79	.90	659.
77	6-18	1900	1.6	.215	.134	.130	.231			26.60	53.60	5.20	1.20	694.
77	6-19	1300	2.7	.204	.092	.430	.352			24.20	56.30	5.96	1.10	730.
77	6-20	1300	1.7	.204	.070	.070	.272			19.30	61.30	4.81	1.20	732.
77	6-21	1300	1.6	.200	.058	.070	.194			23.50	59.90	4.90	1.20	723.
77	6-22	1300	1.3	.209	.046	.030	.197			15.10	55.90	4.88	1.10	715.
77	6-23	1900	4.0	.487	.159	1.4700	.244			78.90	54.60	8.13	9.48	659.
77	7-1	1500	10.4	.277	.041	1.490	.104			136.00	42.00	6.35	5.90	684.
77	7-2	700	140.4	.485	.046	1.7100	.087			304.00	39.60	9.17	13.40	636.

SANDUSKY RIVER
NEAR
FREMONT, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJON RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING TIME DATE 2477 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL NITROGEN MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR IDE MG/L	SIO2 MG/L	IRON MG/L	CODM 25C. URMO
74 12 7 1100	338.	.217	.025	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	.121	4.150					58.90				772.
74 12 8 1700	454.	.173	.125	4.050					6.75				779.
74 12 8 2300	496.	.163	.130	4.200					7.75				768.
74 12 9 500	610.	.210	.150	4.250					14.10				774.
74 12 9 1100	872.	.220	.125	4.600					51.10				753.
74 12 9 1700	1200.	.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											580.
74 12 10 1100	2736.	.290	.075	6.950					105.00				580.
74 12 10 1700	2868.	.235											
74 12 10 2300	2802.	.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	1590.	.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	6.450					63.40				497.
74 12 14 500	2626.	.193		7.050					66.50				501.
74 12 14 1100	2868.		.095	7.400	.220				91.50		7.65		503.
74 12 14 1700	3046.		.080	7.300	.240				103.00		7.70		470.
74 12 14 2300	3184.		.075	7.900	.080				117.00		8.10		503.
74 12 15 500	3276.		.080	8.200	.060				105.00		9.30		500.
74 12 15 1100	3484.		.075	8.300	.090				110.00		8.40		495.
74 12 15 1700	3796.		.070	8.700	.060				120.00		8.60		484.
74 12 15 2300	4115.		.070	8.800	.080				139.00		9.00		479.
74 12 16 500	4674.		.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. 04198600

SAMPLING DATE	TIME 24.0 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	CHL. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHL RIDE MG/L	S102 MG/L	IRON MG/L	CONC 250- UMHO
74	12 16 1100	5584.		.060	9.400	.070				233.00		8.40		
74	12 16 1700	6351.		.060	9.200	.040				338.00		7.90		
74	12 16 2300	6864.		.055	9.100	.040				360.00		8.20		
74	12 17 500	6972.		.050	9.000	.310				230.00		7.80		432.
74	12 17 1100	6702.		.060	8.800	.070				282.00		7.90		420.
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		404.
74	12 18 500	5714.		.065	8.800	.180				174.00		8.00		407.
74	12 18 1100	5376.		.060	8.600	.040				126.00		8.10		409.
74	12 18 1700	4934.		.070	8.700	.060				136.00		8.90		410.
74	12 19 1100	3556.		.060	8.500	.060				70.60		8.20		408.
74	12 19 1700	3184.	.228	.080	7.600					90.30		9.00		422.
74	12 19 2300	2824.	.190	.070	9.100					57.20		9.80		412.
74	12 20 500	2497.	.163	.080	8.800					74.70		9.20		462.
74	12 20 1100	2140.	.118	.070	9.400					49.30		9.40		447.
74	12 20 2300	1606.	.122	.075	9.000					47.90		9.10		483.
74	12 21 500	1417.	.125	.085	8.800					32.30		9.80		500.
74	12 21 1100	1290.	.137	.080	4.400							10.50		553.
74	12 21 1700	1180.	.129	.075	7.800					28.90		9.00		610.
74	12 21 1700	1180.												555.
74	12 21 2300	1100.	.114	.085	4.400							9.30		
74	12 22 500	1020.	.087	.080	10.000					17.50		10.40		635.
74	12 22 1100	950.	.084	.075	6.900					28.80		8.60		561.
74	12 22 1700	885.	.076	.070	6.800					36.20		9.10		567.
74	12 22 2300	833.		.085	6.500					28.60		9.80		566.
74	12 23 500	786.	.100	.095	6.900					25.50		8.70		625.
74	12 23 1100	740.		.090	7.100					22.80		10.00		644.
74	12 23 1700	716.	.110	.100	7.000					30.10		9.30		647.
74	12 23 2300	728.	.137	.095	6.500					63.30		9.10		623.
74	12 24 500	911.	.190	.090	6.300					113.00		8.20		523.
74	12 24 1100	1407.	.224	.080	6.100					136.00		7.70		464.
74	12 24 1700	1772.	.369	.090	6.200					214.00		7.50		404.
74	12 24 2300	5818.	.296	.080	6.400					174.00		7.00		381.
75	1 3 1600	2455.	.241	.030	4.300	.060				108.00	29.00	7.00		467.
75	1 3 2200	2000.	.178	.050	6.400	.080				58.90	35.00	7.00		516.
75	1 4 400	1960.	.125	.040	6.500	.060				41.10	34.00	7.10		526.

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 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	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR MO DY HRS.													
75 1 4 1000	1570.	.134	.050	6.600	.070				45.70	37.00	7.20		548.
75 1 4 1600	1606.	.143	.050	6.500	.080				34.20	39.50	7.20		568.
75 1 4 2000	1320.	.116	.030	6.100	.060				25.30	40.00	7.00		574.
75 1 5 400	1380.	.107	.040	6.200	.070				25.70	42.00	7.20		586.
75 1 5 1000	1300.		.050	6.100	.080				25.10	44.00	7.20		606.
75 1 5 1600	1240.	.080	.050	6.000	.070				17.80	44.00	7.20		617.
75 1 5 2200	1050.	.098	.050	6.000	.070				17.70	44.00	7.20		623.
75 1 6 400	1030.	.085	.050	6.000	.070				18.30	45.00	7.30		633.
75 1 6 1000	1010.	.080	.040	6.000	.070				13.70	45.00	7.40		640.
75 1 6 1600	950.	.089	.060	5.900	.080				16.70	45.00	7.30		646.
75 1 6 2200	1050.	.098	.060	5.900	.080				13.30	46.00	7.40		654.
75 1 7 400	978.	.107	.050	5.800	.050				22.00	51.00	7.20		653.
75 1 7 1000	797.	.187	.060	5.900	.080				43.00	51.00	6.60		644.
75 1 7 1600	762.	.179	.050	6.000	.080				66.20	48.00	6.60		628.
75 1 7 2200	740.	.232	.040	5.800	.080				113.00	42.00	6.60		583.
75 1 8 400	762.	.446	.050	5.200	.100				264.00	35.00	6.40		478.
75 1 8 1000	7512.	.491	.050	4.800	.080				306.00		6.00		428.
75 1 11 1200	8628.	.510	.070	5.200					238.00	20.00	7.30		334.
75 1 11 1600	8712.	.520	.067	5.100				19.00	280.00	19.00	7.30		339.
75 1 11 1800	8712.	.520	.072	5.100					312.00		7.50		
75 1 11 2200	8488.	.510	.067	5.100				19.00	288.00	18.00	7.50		341.
75 1 11 2400	8348.	.510	.068	5.200					315.00		7.60		
75 1 12 400	8068.	.500	.070	5.200				30.00	257.00	18.00	7.80		336.
75 1 12 600	7872.	.500	.062	5.200					290.00		7.90		
75 1 12 1000	7593.	.480	.067	5.200				43.00	226.00	17.50	8.30		346.
75 1 12 1200	7404.	.47	.065	5.200					260.00		7.90		
75 1 12 1600	7107.	.47	.072	5.300					206.00	17.00	7.90		348.
75 1 12 1800	6799.	.490	.065	5.200					239.00		7.90		
75 1 12 2200	6702.	.460	.075	5.300					188.00	18.00	8.10		358.
75 1 12 2400	6540.	.470	.067	5.200					223.00		8.00		
75 1 14 1700	2518.	.280	.070	5.600	.060				88.00	20.00	8.30		428.
75 1 15 930	1502.	.280	.080	5.800	.090				106.00	21.00	8.50		467.
75 1 29 1030	1696.	.340	.135	3.830	.330				73.80	24.00			477.
75 1 29 1630	3460.	.440	.112	4.050	.281				157.00	24.00			481.
75 1 29 2230	5766.	.670	.120	3.850	.251				382.00	21.00			425.
75 1 30 430	7242.	.760	.110	3.670	.761				463.00	17.00			380.

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	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLORIDE	SIO2	IRON	COND 25C.
YR MO DY	HR	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	1	30	1030	7485.	.760	.132	3.710	.300		459.00	16.00			347.
75	1	30	1630	7053.	.740	.092	3.900	.243		503.00	15.00			331.
75	1	30	2230	6621.	.740	.080	4.090	.225		486.00	14.50			328.
75	1	31	430	6486.	.760	.113	3.970	.215		498.00	15.00			319.
75	1	31	1030	6432.	.660	.097	4.120	.175		413.00	15.00			320.
75	1	31	1630	6432.	.630	.092	4.030	.387		358.00	14.00			318.
75	1	31	2230	6405.	.620	.085	3.920	.145		348.00	13.50			311.
75	2	1	430	6297.	.600	.067	3.870	.145		319.00	13.00			311.
75	2	1	1030	6000.	.570	.090	3.910	.133		288.00	13.00			320.
75	2	1	1630	5584.	.520	.087	4.380	.118		241.00	13.00			330.
75	2	1	2230	5012.	.470	.097	4.550	.143		171.00	14.00			344.
75	2	2	430	4390.	.430	.085	4.880	.128		141.00	14.50			356.
75	2	2	1030	3772.	.380	.065	5.020	.120		114.00	15.00			372.
75	2	2	1630	3207.	.360	.087	5.150	.123		125.00	16.00			394.
75	2	2	2230	2714.	.330	.082	5.510	.098		87.40	17.00			413.
75	2	3	430	2308.	.300	.090	5.400	.093		96.10	17.00			427.
75	2	3	1030	1580.	.280	.080	5.580	.083		74.20	18.00			446.
75	2	3	1630	1750.	.240	.048	5.650	.068		58.10	18.00			459.
75	2	3	2230	1606.	.240	.095	5.610	.083		54.00	19.00			476.
75	2	4	430	1468.	.230	.092	5.850	.081		53.70	19.00			491.
75	2	4	1030	1350.	.210	.092	5.700	.078		31.60	20.00			512.
75	2	4	1630	1270.	.210	.075	5.720	.122		37.80	20.50			533.
75	2	4	2230	1200.		.279	5.220	.182		67.30	18.00			
75	2	5	430	1100.	.180	.095	5.570	.082		33.60	20.50			542.
75	2	18	1600	6189.	.430	.090	5.300	.315		279.00	31.80			481.
75	2	18	2200	6189.	.450	.090	6.200	.395	1.100 32.00	247.00	29.00			431.
75	2	19	400	6000.	.370	.080	7.000	.218		193.00	23.30			394.
75	2	19	1000	5922.	.340	.060	6.900	.162		148.00	22.90			388.
75	2	19	1600	5870.	.380	.060	6.800	.125		147.00	21.50			383.
75	2	19	2200	5792.	.240	.050	6.700	.080	.700		21.00			381.
75	2	20	400	5584.	.240	.060	6.800	.110		104.00	21.20			386.
75	2	20	1600	4726.	.190	.050	7.100	.100		72.00	21.30			401.
75	2	20	2200	4215.	.200	.060	7.300	.105		90.50	21.70			413.
75	2	21	400	3796.	.200	.050	7.400	.115		91.10	22.00			425.
75	2	21	1000	3437.	.160	.050	7.300	.055			22.30			433.
75	2	22	2200	1788.	.280	.080	7.000	.067		158.00	29.00			525.

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 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 23 1500	8544.	.790	.070	6.100	.257				637.00	24.00			418.
75 2 23 1530	8852.	.840	.060	6.100					651.00	23.30			413.
75 2 23 1600	9132.	.820	.070	6.100	.132				725.00	23.30			407.
75 2 23 1630	9358.	.890	.070	6.000	.120				734.00	22.90			402.
75 2 23 1700	9590.	.940	.060	5.900	.113		.700	37.00	709.00	22.80			399.
75 2 23 1730	9851.	.910	.070	5.900	.160				746.00	22.30			398.
75 2 23 1800	10112.	.890	.070	5.900	.220				699.00	22.00			395.
75 2 23 1830	10344.	.900	.070	5.800	.217				644.00	21.80			391.
75 2 23 1900	10576.	.920	.080	5.700	.110				734.00	21.50			988.
75 2 24 800	14830.	1.130	.075	4.840	.072				850.00	19.00			309.
75 2 24 1030	15584.						.500	43.00					
75 2 24 1630	16446.						1.000	44.00					
75 2 25 430	17296.						.600	17.00					
75 2 25 1030	16310.						.500	37.00					
75 2 25 1500	15650.	.601	.040	1.920	.096				384.00	18.00			286.
75 2 25 1630	15485.						.500	39.00	760.00	16.00			262.
75 2 25 1800	15518.	1.060	.062	4.240	.076								
75 2 25 2230	15353.						.500	38.00	595.00	16.00			261.
75 2 25 2400	15419.	.925	.052	4.200	.095								
75 2 26 430	15518.						.600	39.00	708.00	15.00			253.
75 2 26 600	15485.	1.050	.068	3.980	.123				639.00	15.00			252.
75 2 26 1030	15716.	1.030	.070	3.860	.110		.500	22.00	513.00	15.00			250.
75 2 26 1630	15584.						.700	22.00	554.00	16.00			255.
75 2 26 1800	15386.	.820	.053	3.760	.104		.900	39.00	477.00	16.00			259.
75 2 26 2230	15122.								290.00	16.00			267.
75 2 26 2400	14894.	.883	.074	3.760	.120				368.00	17.00			283.
75 2 27 430	14126.								314.00	18.00			303.
75 2 27 600	13937.	.784	.066	3.780	.126				207.00	19.00			319.
75 2 27 1030	12770.						.690	33.00	205.00	21.00			349.
75 2 27 1200	12320.	.609	.061	3.800	.079				154.00	21.70			380.
75 2 27 1800	10112.	.645	.077	4.020	.109								
75 2 27 2400	8208.	.622	.074	4.260	.106								
75 2 28 600	6864.	.483	.071	4.300	.075								
75 2 28 1200	5688.	.506	.082	4.560	.093								
75 3 1 1400	2350.	.360	.063	4.580	.095								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198300

SAMPLING DATE	TIME 24 ^{HR} 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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHQ
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	500	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	1290.	.265	.068	4.540	.069		98.70	31.30			503.
75	3	3	1400	1220.	.230	.065	4.440	.044		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			602.
75	3	6	1400	663.	.155	.053	4.180	.071		40.00	35.90			606.
75	3	6	2000	642.	.170	.062	4.220	.030		43.70	36.10			613.
75	3	7	200	621.	.155	.062	4.340	.094		37.50	36.50			620.
75	3	7	800	632.	.140	.054	4.160	.064		32.80	36.10			622.
75	3	7	1400	705.	.170	.064	4.600	.077		40.90	43.00			634.
75	3	7	2000	898.	.185	.078	5.040	.097		46.30	44.00			637.
75	3	8	200	1400.	.150	.057	4.780	.066		44.50	41.70			635.
75	3	8	800	2626.	.210	.070	5.000	.092		80.60	42.20			627.
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	340	1732.	.360	.060	5.400	.179		113.00	27.00	6.30		485.
75	3	11	540	1570.	.340	.068	5.480	.182		136.00	28.00	5.63		496.
75	3	11	1540	1451.	.250	.052	5.490	.135		77.00	28.50	14.10		514.
75	3	12	1540	1240.	.220	.064	5.600	.124		66.80	29.50	15.60		556.
75	3	13	1540	1588.	.170	.063	5.350	.091		54.00	32.00	13.80		596.
75	3	14	1520	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 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
YR MO DY	HRS.													
75	3	17	930	1260.	.180	.067	5.660	.102		49.40	33.00	13.60		568.
75	3	18	900	1570.	.213	.039	5.090	.129		64.00	42.00	8.09		589.
75	3	19	900	2539.	.190	.051	4.990	.221		69.20	53.00	7.94		600.
75	3	20	900	3115.	.210	.050	5.210	.077		97.00	40.00	7.69		487.
75	3	21	900	2392.	.175	.042	4.820	.082		52.90	40.00	7.64		474.
75	3	22	900	1678.	.160	.034	5.000	.069		42.60	40.00	8.01		492.
75	3	23	900	1200.	.140	.039	4.850	.076		33.10	43.00	7.56		534.
75	3	23	2100	1030.	.130	.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.	.130	.048	4.550	.062		25.00	45.00	8.20		557.
75	3	24	1500	1150.	.130	.058	4.690	.052		40.00	45.00	8.18		567.
75	3	24	1900	1750.	.210	.070	4.700	.110		94.70	38.50	9.40		564.
75	3	25	700	5480.	.507	.080	4.400	.100		327.00	38.00	9.20		545.
75	3	25	1300	5350.	.598	.070	4.200	.100		387.00	35.50	9.20		513.
75	3	26	100	4190.	.906	.080	4.100	.180		873.00	30.00	7.70		394.
75	3	26	700	3724.	1.120	.085	4.600	.170		870.00	27.50	9.80		368.
75	3	26	1300	3253.	.941	.080	4.600	.150		738.00	27.50	10.10		372.
75	3	26	1900	2934.	.906	.065	4.600	.150		786.00	27.50	10.20		389.
75	3	27	100	2626.	.932	.065	4.500	.140		795.00	27.00	10.20		392.
75	3	28	100	1588.	.803	.045	4.100	.180		350.00	29.00	8.10		420.
75	3	28	700	1350.	.774	.065	4.200	.150		263.00	29.50	9.00		423.
75	3	28	1300	1200.	.671	.070	4.300	.180		496.00	29.50	10.30		435.
75	3	28	1900	1080.	.728	.075	4.100	.140		404.00	31.00	10.50		445.
75	3	29	100	1020.	.637	.075	4.200	.130			34.00	10.00		459.
75	3	29	700	1020.	.457	.075	4.000	.150		283.00	34.50	10.20		470.
75	3	29	1300	1160.	.395	.080	4.400	.140		209.00	43.00	10.20		525.
75	3	29	1900	1283.	.353	.090	4.800	.140		174.00	43.00	9.00		547.
75	3	30	100	3796.	.287	.085	4.500	.110		141.00	41.00	8.90		557.
75	3	30	700	4648.	.306	.085	4.800	.160		189.00	41.00	9.70		555.
75	3	30	1300	4674.	.509	.085	4.800	.190		343.00	38.00	9.00		510.
75	3	30	1900	4440.	.666	.085	5.100	.170		447.00	34.50	8.50		466.
75	3	31	100	4240.	.715	.090	5.000	.160		484.00	34.00	8.20		433.
75	4	1	1700	2392.	.392	.060	5.590	.180		297.00	40.00			414.
75	4	1	2300	2080.	.352	.050	5.400	.165		267.00	40.00			420.
75	4	1	500	1732.	.283	.050	5.550	.120		220.00	41.00			428.
75	4	2	1100	1485.	.274	.050	5.500	.115		199.00	41.00			444.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NO-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	HR	CFS	PHOS. MG/L	PHOS. MG/L	NO-3 MG/L	NO-3 MG/L	NIT. MG/L	KJELD MG/L	MG/L	SOLIDS MG/L	RIDE MG/L	MG/L	MG/L	25C. UMHO
75	4	2	1700	1290.	.214	.045	5.500	.085		170.00	44.00			461.
75	4	2	2300	1160.	.186	.040	5.510	.055		155.00	46.00			479.
75	4	3	500	1100.	.157	.041	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.		.045	5.320	.090		96.70	56.00			549.
75	4	4	2300	846.	.071	.047	4.800	.070		66.40	64.00			597.
75	4	5	2300	728.	.071	.036	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	.030		36.10	76.00			661.
75	4	8	1230	543.	.120	.090	3.600			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	1.100	.260		25.90	60.00			674.
75	4	16	1900	299.	.085	.015	1.750	.180		20.60	60.00	4.40		669.
75	4	17	1900	286.	.075	.005	1.700	.130		26.70	61.00	4.60		671.
75	4	18	1900	279.	.090	.005	1.700	.155		21.70	65.00	4.75		688.
75	4	19	1900	312.	.105	.010	1.650	.090		27.50	68.00	4.70		694.
75	4	20	1900	299.	.120	.010	1.700	.070		26.90	71.00	6.00		716.
75	4	21	1900	292.	.110	.010	1.500	.090		20.80	70.00	5.30		715.
75	4	22	1000	286.	.095	.040	1.800	.210		22.30	62.50	5.50		713.
75	4	23	1000	267.	.127	.040	1.700	.310		44.10	61.00	5.90		720.
75	4	24	1000	299.	.133	.020	1.700	.190		47.10	650.00	5.70		733.
75	4	25	1000	454.	.122	.020	1.800	.135		56.00	67.00	6.20		745.
75	4	26	1000	684.	.296	.010	1.800	.100		165.00	63.00	5.30		745.
75	4	27	1000	716.	.323	.010	1.500	.065		224.00	62.00	5.80		733.
75	4	28	1000	543.	.165	.010	2.200	.035		94.90	70.00	5.60		722.
75	4	29	400	480.	.155	.010	2.000	.030		91.70	64.00	7.80		724.
75	4	29	900	543.		.049	2.200	.061		66.10		6.80		734.
75	4	30	900	514.		.063	2.400	.063		127.00		5.00		724.
75	5	1	900	572.		.047	2.000	.050		168.00		3.00		717.
75	5	2	900	642.		.030	1.900	.102		119.00		2.40		699.
75	5	3	900	562.		.027	1.800	.135		83.00		3.60		706.
75	5	4	900	505.		.027	1.500	.112		97.60		3.20		710.
75	5	5	900	454.		.032	1.600	.093		83.70		4.20		703.
75	5	6	300	471.		.030	1.400	.107		194.00		5.80		678.
75	5	6	1700	924.	.152	.047	2.580	.009		49.20	42.00	7.66		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. 04198000

SAMPLING DATE	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
YR	MO	DAY	HRS.											
75	5	7	1700	2455.	.239	.081	5.416	.113		87.90	29.50	8.14		575.
75	5	4	1700	1732.	.252	.091	6.760	.012		92.10	27.00	11.90		521.
75	5	5	1700	1030.	.178	.060	5.310	.020		45.20	30.00	11.70		576.
75	5	4	1700	705.	.145	.052	5.020	.042		30.20	31.00	10.40		571.
75	5	10	1700	534.	.116	.040	4.340	.042		11.80	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		11.50	51.00	3.44		701.
75	5	18	930	338.		.013	1.680	.088		7.50	51.00	5.14		707.
75	5	19	930	312.			1.290	.106		9.70	52.00	1.95		712.
75	5	27	945	642.	2.180	.040	.050	.175		2671.00	56.00	13.40		555.
75	5	27	1545	524.	1.270	.066	.470	.217		942.00	48.00	15.30		556.
75	5	27	2145	471.	.895	.050	.120	.320		538.00	54.00	15.40		606.
75	5	28	945	524.	1.350	.055	.180	.640		996.00	59.00	16.40		656.
75	5	28	945	674.	1.290	.400	.060	.510		1073.00	59.00	14.60		654.
75	5	28	1545	859.	.776	.038	.100	.600		460.00	61.00	13.30		683.
75	5	28	2145	937.	.557	.067	.100	.751		264.00	63.00	13.80		724.
75	5	29	945	924.	.628	.062	.100	.848		344.00	64.00	12.90		719.
75	5	29	945	846.	.560	.057	.050	.724		241.00	64.00	12.00		693.
75	5	29	1545	652.	.635	.067	.040	.934		235.00	65.00	13.30		694.
75	5	29	2145	552.	.599	.058	.030	.920		224.00	75.00	12.50		706.
75	5	3	945	480.	.784	.060	.020	1.050		310.00	77.00	13.00		732.
75	5	3	945	420.	.704	.049	.010	1.020		235.00	78.00	12.50		735.
75	5	3	1545	382.	.676	.040		.918		226.00	75.00	12.10		742.
75	5	3	2145	452.	.760	.040		.740		274.00	75.00	10.80		734.
75	5	31	945	325.	1.010	.050		.780		537.00	73.00	11.20		738.
75	5	31	945	299.	.734	.032		.620		358.00	72.00	10.30		723.
75	5	31	1545	279.	.657	.025		.590		290.00	72.00	10.20		711.
75	5	31	2145	279.	.657	.018		.327		280.00	72.00	8.90		715.
75	6	1	945	267.	2.020	.060		1.360		1597.00	83.00	11.00		771.
75	6	1	945	267.	.914	.020		1.160		287.00	82.00	11.40		779.
75	6	1	1545	255.	.887	.036	.020	1.400		375.00	83.00	11.20		776.
75	6	1	2145	237.	.826	.039	.020	1.600		323.00	81.00	12.10		778.
75	6	2	945	225.	1.030	.040		1.380		499.00	79.00	11.80		752.
75	6	2	945	213.	.784	.015	.450	1.240		350.00	76.00	14.50		612.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

SAJOD RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME HR	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NO-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
75	6	2	1300	213.	.673	.055	.048	.922		326.00	49.00	14.50		667.
75	6	2	1600	219.	.687	.056	.027	.107		456.00	42.00	13.60		667.
75	6	2	2200	237.	.863	.055	.027	.636		437.00	45.00	15.00		696.
75	6	2	400	286.	.857	.040	.023	.107		726.00	49.00	15.20		747.
75	6	3	1000	368.	.824	.064	.020	.135		391.00	53.00	14.60		749.
75	6	3	1600	375.	.931	.040	.025	.131		524.00	52.00	14.90		704.
75	6	3	2200	375.	.785	.040	.020	.984		469.00	45.00	12.50		690.
75	6	4	400	368.	.819	.040	.015	.740		438.00	43.00	15.20		691.
75	6	4	1000	368.	.926	.040	.015	.685		303.00	43.00	16.10		712.
75	6	4	1600	375.	.770	.055	.013	.515		524.00	44.00	15.40		699.
75	6	4	2200	398.	.629	.055	6.300	.062		390.00	44.00	14.70		660.
75	6	5	400	428.	.470	.060	7.620	.034		673.00	44.00	15.10		667.
75	6	5	1000	488.	.954	.106	7.040	.038		765.00	42.00	15.30		627.
75	6	5	1600	542.	1.490	.060	1.200	.748		2975.00	51.00	15.40		665.
75	6	5	2200	684.	1.500	.060	1.700	.551		3359.00	49.00	14.80		639.
75	6	6	400	716.	1.430	.058	1.700	.455		1671.00	48.00	15.40		650.
75	6	6	1000	833.	.736	.063	6.900	.080		409.00	38.00	15.80		644.
75	6	6	1600	937.	1.090	.028	5.490	.069		1017.00	36.00	14.60		605.
75	6	6	2200	885.	1.250	.040	5.520	.164		1326.00	36.00	14.00		602.
75	6	7	400	820.	.692	.070	6.420	.040		427.00	34.00	13.70		595.
75	6	7	1000	762.	.585	.060	6.300	.036		379.00	34.00	14.30		579.
75	6	7	1600	694.	.604	.067	5.400	.035		424.00	36.00	14.20		615.
75	6	7	2200	632.	.532	.063	6.100	.030		356.00	35.00	14.20		573.
75	6	8	400	581.	.585	.060	6.270	.030		369.00	36.00	14.70		659.
75	6	8	1000	534.	.594	.060	6.220	.025		408.00	37.00	12.20		659.
75	6	8	1600	505.	.444	.067	6.600	.020		292.00	36.00	14.00		642.
75	6	8	2200	488.	.375	.062	6.700	.030		200.00	37.00	15.20		603.
75	6	9	400	462.	.697	.070	6.140	.025		483.00	38.00	15.40		521.
75	6	9	1000	428.	.362	.073	7.710	.035		292.00	40.50	14.50		619.
75	6	9	1600	190.	.944	.075	5.020	.034		1311.00	44.00	14.00		622.
75	6	9	2200	352.	.403	.100	6.310	.039		344.00	46.20	14.50		644.
75	6	10	400	325.	.417	.087	6.200	.036		248.00	47.50	14.80		657.
75	6	10	1000	299.	.408	.109	8.000	.061		334.00	48.00	14.40		648.
75	6	10	1600	273.	.440	.125	7.160	.070		211.00	49.00	13.90		653.
75	6	10	2200	255.	.366	.080	7.110	.066		191.00	50.00	13.90		658.
75	6	11	400	237.	.385	.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. 04198000

SAMPLING TIME DATE 2400 YR MO DY 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	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	208.	.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	59.00	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	60.50	11.20		715.
75 6 14 400	158.	.229	.035	3.600	.164				65.60	60.00	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 14 2200	148.	.215	.017	2.880	.100				71.40	61.00	9.60		702.
75 6 15 400	163.	.227	.017	2.940	.047				72.30	62.50	10.80		721.
75 6 15 1000	191.	.261	.021	3.040	.020				81.50	61.00	11.00		716.
75 6 15 1600	249.	.344	.040	2.900	.020				120.00	61.50	10.80		700.
75 6 15 2200	299.	.311	.030	3.390	.018				129.00	62.80	11.20		713.
75 6 16 400	437.	.357	.063	4.330	.020				163.00	62.00	11.88		717.
75 6 16 1000	524.	.312	.078	7.850	.060				146.00	33.10	15.20		682.
75 6 23 1030	390.	.915	.095	7.250	.020				145.00	36.10	14.60		643.
75 6 24 1030	338.	.362	.081	5.400	.017				156.00	35.40	12.80		585.
75 6 25 1030	632.	.940	.068	3.850	.037				758.00	18.78	13.40		389.
75 6 26 1030	273.	.296	.081	5.430	.023				172.00	27.30	14.00		558.
75 6 27 1030	273.	.273	.086	5.530	.019				146.00	30.00	20.80		587.
75 6 28 1030	180.	.315	.060	4.750	.017				285.00	30.20	14.50		567.
75 6 29 1030	138.	.226	.054	4.150	.015				100.00	37.50	13.60		608.
75 6 30 430	123.	.226	.051	3.880	.012				111.00	38.10	12.50		656.
75 6 30 1030	113.	.140	.042	4.100	.020				71.70	45.50	17.60		627.
75 7 1 1030	92.	.164	.064	3.660	.018				65.90	40.90	20.20		608.
75 7 2 1030	86.	.116	.046	3.170	.012				58.50	39.70	18.30		591.
75 7 3 1030	68.	.140	.058	3.130	.038				49.00	39.00	19.20		592.
75 7 4 1030	68.	.144	.063	2.780					48.90	43.20	16.60		599.
75 7 5 1030	68.	.128	.021	1.810					40.00	49.80	10.70		601.
75 7 6 1930	72.	.140	.009	.799	.028				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	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	AM-2 NO-3 MG/L	AM-3 MG/L	ORG. NIT. MG/L	TOTAL NITROGEN MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND. 25C. UMHO
75	7 7 03	55		.009	.460					46.30	50.80	7.58		576.
75	7 7 04	55	.158	.025	.500	.080				36.60	53.00	6.60		581.
75	7 7 04	55	.200	.040	.400	.050				94.10	51.50	6.80		569.
75	7 7 04	72	.160	.030	.280	.073				47.20	50.50	5.90		583.
75	7 11 04	55	.132	.050	.480	.135				35.00	58.00	7.70		622.
75	7 11 04	49	.140	.045	.680	.115				50.10	54.00	8.50		598.
75	7 12 04	40	.130	.040	.600	.080				37.00	57.50	8.20		644.
75	7 12 04	46	.132	.035		.627				32.90	57.50	10.50		654.
75	7 14 04	49	.156	.030		.035				53.30		7.60		691.
75	7 14 1100	52	.164	.070	.750	.310				24.80	64.00			643.
75	7 14 2300	52	.124	.025	.630	.270				33.80	63.50			671.
75	7 15 1100	58	.140	.030	.500	.280				30.90	63.50			669.
75	7 15 2300	72	.136	.015	.230	.223				47.40	61.80			654.
75	7 16 1100	86	.152	.020	.100	.238				47.80	60.50			651.
75	7 16 2300	82	.168	.015	.100	.195				80.50	62.10			667.
75	7 17 1100	82	.160	.020	.100	.238				47.00	61.80			661.
75	7 17 2300	113	.200	.100	.030	.172				105.00	65.20			681.
75	7 18 1100	113	.168	.015		.180				58.80	60.80			691.
75	7 18 2300	100	.196	.010		.070				95.30	62.00			709.
75	7 19 1100	92	.136	.015		.075				31.20	62.70			693.
75	7 19 2300	86	.144	.035		.020				48.60	62.20			711.
75	7 20 1100	78	.156	.010		.038				41.90	65.10			718.
75	7 21 0300	78	.320	.110	.030	.335				155.00				
75	7 21 2300	75	.144	.010		.020				41.90	62.40			718.
75	7 21 1115	78	.224	.027		.075				119.00	52.00	.51		762.
75	7 22 1115	82	.156	.029		.095				50.30	56.00	.47		772.
75	7 23 1115	86	.328	.021		.072				192.00	57.00	.66		758.
75	7 24 1115	92	.256	.035		.178				129.00	51.00	.65		722.
75	7 25 1115	68	.180	.064		.075				66.60	52.00	.87		734.
75	7 26 1115	55	.140	.080		.035				50.60	56.00	1.09		753.
75	7 27 1115	46	.176	.050		.034				51.70	60.00	1.27		747.
75	7 28 0300	40	.204	.135		.055				65.70	76.00	1.58		729.
75	7 29 1045	40	.392	.210	.050	.230				35.40	84.00	4.16		859.
75	7 29 1045	34	.328	.154	.030	.088				48.30	66.00	4.72		748.
75	7 30 1045	26	.276	.122	.020	.148				44.90	74.00	4.42		755.
75	7 31 1045	26	.248	.095	.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 TIME DATE 24.9 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	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 8 1 1045	20.	.224	.090	.020	.099				52.00	80.00	5.77		767.
75 8 2 1045	22.	.208	.060	.020	.050				44.20	84.00	4.98		777.
75 8 3 1045	29.	.212	.070	.090	.033				66.90	76.00	5.72		720.
75 8 4 445	32.		.070	.110	.060				57.10		4.29		
75 8 4 1100	18.		.053	.100	.081						1.81		
75 9 16 900	219.	.260	.037	.580	.071				26.10		10.90		
75 9 17 900	169.	.233	.026	.870	.036				24.60		12.00		
75 9 18 900	158.	.230	.026	.840	.086				21.20		10.40		
75 9 19 900	398.	.360	.043	1.110	.048				96.60		11.70		
75 9 20 900	632.	1.250	.073	1.420	.063				862.00		10.80		
75 9 21 900	1180.	.360	.054	1.370	.034				88.00		11.90		
75 9 22 900	751.	.350	.057	1.990	.048				246.00		10.80		
75 9 23 900	581.	.320	.096	1.970	.059						11.60		
75 9 29 1200	480.	.280		2.080	.019				80.30	37.00	11.90		606.
75 9 3 1200	360.	.390		2.070	.030				49.40	35.00	20.00		581.
75 10 1 1200	286.	.240		2.360	.007				40.80	40.00	10.90		601.
75 10 2 1200	231.	.240		2.380	.006				39.10	44.00	10.30		604.
75 10 3 1200	197.	.190		2.290	.020				27.80	38.00	9.70		624.
75 10 4 1200	163.	.170		2.180	.025				22.40	40.00	10.50		636.
75 10 5 1200	145.	.180		2.040	.005				23.30	40.00	8.69		657.
75 10 6 600	133.	.170		1.870	.031				23.80	24.00	9.96		685.
75 10 6 1200	128.	.117	.036	1.760	.014				19.30	33.00	10.00		694.
75 10 7 1200	108.	.103	.026	1.390	.036				16.40	33.00	9.10		788.
75 10 8 1200	100.	.233	.076	1.320	.070				15.48	33.00	8.12		719.
75 10 9 1200	113.	.163	.046	1.280	.065				26.80	32.00	7.47		742.
75 10 10 1200	104.	.163	.059	1.060	.060				13.00	35.00	8.14		741.
75 10 11 1200	104.	.119	.021	.640	.047				13.30	36.00	5.65		737.
75 10 12 1200	96.	.114	.014	.450	.025				21.90	36.00	4.89		744.
75 10 13 600	96.	.356	.019	.350	.029				16.40	30.00	4.85		753.
75 10 13 1220	96.	.121	.017	.340	.270				22.50	60.00	4.00		742.
75 10 13 1820	96.	.103	.013	.190	.090				15.20	58.00	6.09		782.
75 10 14 20	92.	.117	.015	.190	.237				14.00	58.00	3.40		737.
75 10 14 620	92.	.140	.012	.220	.075				18.60	62.00	3.29		764.
75 10 14 1220	89.	.113	.006	.100	.179				19.00	60.00	1.86		735.
75 10 14 1820	89.	.094	.003	.030	.038				16.80	59.00	2.83		683.
75 10 15 20	89.	.117	.008	.020	.132				19.00	57.00	3.34		718.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

AUGUST RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/COORD : NEAR FREMONT, OHIO

USGS NO. 0419R000

SAMPLING TIME DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	AMPH PHOS. MG/L	AM-2 MG/L	AM-3 MG/L	AM-6 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
75-1-15	1220	89.	.135	.021	.020	.077				27.80	56.00	3.05		739.
75-1-15	1220	90.	.127	.020	.017	.127				19.50	60.00	2.30		739.
75-1-15	1400	10.	.116	.017	.020	.071				17.10	49.00	2.54		708.
75-1-16	00	100.	.140	.021	.020	.064				14.70	56.00	1.42		729.
75-1-16	620	92.	.101	.020	.020	.106				14.00	32.00	1.79		736.
75-1-16	1200	96.	.101	.020	.011	.060				12.00	50.00	2.39		714.
75-1-16	1920	100.	.105	.040	.010	.048				12.60	35.00	2.18		702.
75-1-17	00	80.	.135	.020	.017	.037				14.50	54.00	2.18		734.
75-1-17	620	92.	.150	.020	.010	.096				14.30	35.00	2.15		753.
75-1-17	1220	104.	.117	.027	.011	.028				13.00	65.00	3.23		755.
75-1-17	1400	96.	.090	.041	.020	.049				12.10	34.00	2.67		729.
75-1-17	1400	96.	.100	.004	.010	.023				13.40	60.00	2.17		729.
75-1-17	1400	113.	.140	.038	.090	.045				15.40	37.00	3.85		736.
75-1-17	1920	97.	.290	.057	1.470	.041				66.90	62.00	5.84		745.
75-1-17	1920	505.	.530	.110	2.490	.102				168.00	44.00	7.41		723.
75-1-17	220	1636.	.710	.640	2.640	.055				316.00	54.00	7.01		727.
75-1-17	220	1400.	.790	.744	2.670	.068				410.00	50.00	8.61		721.
75-1-18	1200	1050.		.010	2.330	.062				248.00		8.61		
75-1-18	1400	1445.		.020	1.790	.102				325.00		8.61		
75-1-18	20	1100.		.026	3.000	.048				379.00		8.77		
75-1-18	620	1020.	.380	.071	4.510	.089				125.00	44.00	9.37		656.
75-1-18	1220	1090.	.21	.060	4.670	.093				52.50	39.00	10.20		627.
75-1-21	1225	937.	.170	.043	3.430	.055				40.70	42.00	10.00		699.
75-1-21	1225	674.	.160	.030	3.200	.055				39.70	43.00	10.00		720.
75-1-24	1225	505.	.140	.041	3.790	.084				34.00	44.00	11.10		724.
75-1-24	1225	390.	.100	.034	2.840	.036				28.00	43.00	10.20		745.
75-1-24	1225	319.	.110	.043	2.430	.041				24.50	46.00	9.07		746.
75-1-24	1225	247.	.120	.050	2.330	.026				18.70	46.00	9.88		733.
75-1-27	625	243.	.110	.038	2.200	.009				26.60	40.00	8.59		753.
75-1-27	1400	217.	.140	.044	2.110	.114				20.00	42.00	8.95		750.
75-1-27	1400	218.	.100	.040	1.940	.040				15.60	49.00	5.80		760.
75-1-27	1400	185.	.120	.010	1.720	.048				15.40	45.00	5.12		750.
75-1-27	1400	149.	.110	.010	1.540	.055				11.50	50.00	4.75		748.
75-1-27	1400	163.	.100	.000	1.340	.063				15.10	46.00	3.46		741.
75-1-27	1400	148.	.090	.000	1.050	.046				8.10	52.00	2.64		777.
75-1-27	1400	138.	.080		1.040	.015				28.40	50.00	4.71		749.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

NEJON RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING TIME DATE 24 YR MO DY 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	CMLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 11 3 12	145.	.150	.011	1.100	.052				13.40	46.00	1.56		819.
75 11 3 12	145.	.093	.020	.963	.084				32.50	88.00	3.71		761.
75 11 4 12	145.	.193	.017	.940	.104				34.60	86.00	2.77		772.
75 11 5 12	158.	.115	.011	.700	.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.	.089	.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.	.450	.095	.690	.105				4.00	70.00	.49		833.
75 11 29 1730	123.	.340	.058	.650	.075				4.70	70.00	1.14		847.
75 11 30 1730	145.	.360	.064	.740	.048				4.20	74.00	1.06		844.
75 12 1 1730	143.	.340	.065	.980	.073				3.70	78.00	1.76		882.
75 12 1 1730	174.	.105	.020	.900					2.60	56.00			879.
75 12 2 1730	243.	.141	.040	.900	.140				4.90	53.00			886.
75 12 3 1730	338.	.129	.020	.750	.150				6.30	54.00			866.
75 12 4 1730	338.	.106		.700	.130				4.40	50.00			881.
75 12 5 1730	267.	.050		.800	.090				4.20	50.00			890.
75 12 6 1730	292.	.170	.140	1.100	.110				6.80	57.00			900.
75 12 7 1730	190.	.20.	.087	1.600	.310				36.10	50.00			838.
75 12 8 1730	747.	.220	.040	2.100	.140				33.80	55.00			802.
75 12 9 1730	652.	.23	.120	2.600	.135				39.50	56.00			792.
75 12 10 1730	652.	.254	.140	3.000	.190				33.90	48.00			718.
75 12 11 1730	514.	.200	.120	3.100	.160				25.40	49.00			755.
75 12 12 1730	462.	.214	.130	3.500	.180				24.50	48.00			740.
75 12 13 1730	390.	.194	.120	3.400	.220				17.10	48.00			768.
75 12 14 1730	454.	.160	.100	3.000	.180				8.70	48.00			762.
75 12 15 1730	652.	.183	.090	3.200	.120				17.80	47.00			778.
75 12 16 2330	663.	.180	.090	3.100	.060				22.70	48.00			776.
75 12 17 53	705.	.190		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 TIME DATE 2413 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOP. PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	CRG. NIT. 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
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				117.00	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	.060	6.200	.110				174.00	35.00			571.
75 12 17 2400	3161.	.480	.060	6.600	.140				180.00	34.00			569.
75 12 18 600	2846.	.420	.060	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 18 1200	1394.	.264	.090	6.700	.130				59.50	35.00			572.
75 12 20 1200	808.	.166	.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	634.	.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.	.550	.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				58.60	36.00			583.
76 1 6 1230	920.	.183	.080	7.200	.360					37.00			615.
76 1 12 1145	500.		.070	4.100	.320		.860			43.00			
76 1 12 1745	500.	.166							11.10				
76 1 12 2345	500.	.162	.110	3.500	.350		.963		6.20	50.00			
76 1 13 1145	800.	.214	.130	3.500	.330		.826		15.90	46.00			
76 1 13 2345	800.	.187	.110	3.600	.300		.906		17.70	43.00			
76 1 14 1145	1200.	.159	.110	3.300	.360		.848		17.50	42.00			
76 1 14 2345	1200.	.167	.110	3.100	.490		.963		12.20	42.00			
76 1 15 1145	1600.	.144	.110	3.100	.495		.803		10.90	46.00			
76 1 15 2345	1600.	.163	.110	3.100	.460		.917		10.40	46.00			
76 1 16 1145	1900.	.150	.130	3.100	.500		.963		9.10	47.00			
76 1 16 2345	1900.	.130	.130	3.100	.520		.711		16.10	51.00			
76 1 19 1140	900.	.197	.080	2.800	.310				5.10	40.00			691.
76 1 20 1140	760.	.123	.080	2.800	.320				4.90	47.00			746.

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 24 HR 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 1 21 1140	660.	.104	.070	2.800	.260				4.50	43.00			755.
76 1 22 1140	580.	.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.	.558	.120	1.400	.400				229.00	34.00			357.
76 1 26 1745	7200.	.807	.100	1.300	.260				441.00	23.00			289.
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.	.386	.110	2.300	.550				98.70	21.00			259.
76 1 28 1745	6400.	.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			288.
76 1 29 2245	4000.	.362	.100	2.700	.350				112.00	21.00			298.
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.	.298	.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				55.80	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	.290				35.30	26.00			478.
76 2 1 2245	800.	.191	.090	3.700	.360				21.90	26.00			484.
76 2 2 1300	680.		.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				8.10	35.00			718.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION & CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NO-3 MG/L	GRG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SIO2 MG/L	IRON MG/L	CUND 25C. UMHO
76	2	5	100	450.		.070	3.100	.310		3.30	36.00			748.
76	2	5	700	450.		.060	3.200	.280		1.60	36.00			760.
76	2	5	1130	450.	.330	.330	.900	.360	.800	6.30	49.00		.50	745.
76	2	5	1730	450.	.310	.310	.700	.360		3.30	34.00		.50	742.
76	2	5	2330	450.	.310	.310	.900	.370		4.30	450.00		.70	7518.
76	2	5	530	1000.	.310	.310	.900	.370		9.40	37.00		.80	773.
76	2	10	1130	1000.	.422	.280	3.000	.630	.800	9.90	61.00		1.10	860.
76	2	10	1730	1000.	.320	.240	1.200	.360		46.80	44.00		2.10	668.
76	2	10	2230	1000.	.476	.180	2.500	.310		64.60	98.00		2.90	499.
76	2	11	530	3500.	.381	.190	2.000	.270		67.60	79.00		3.20	507.
76	2	12	1130	5400.	.503	.170	1.900	.190	1.100	123.00	80.00		6.50	302.
76	2	12	1730	5400.	.524	.180	2.200	.210		121.00	86.00		6.40	305.
76	2	12	2330	5400.	.434	.210	1.900	.210		137.00	83.00		7.20	328.
76	2	13	530	3400.	.369	.230	1.500	.190		84.60	81.00		7.50	319.
76	2	13	1130	3400.	.385	.220	1.500	.190	1.400	84.30	81.00			319.
76	2	13	1730	3400.	.385	.220	1.300	.220	1.400	81.30	69.00		7.50	330.
76	2	13	2330	3400.	.391	.210	1.100	.210		161.00	54.00		8.20	324.
76	2	14	530	2500.	.394	.220	1.100	.190		165.00	55.00		8.40	323.
76	2	14	1130	2500.	.321	.230	.900	.190		101.00	45.00		6.80	317.
76	2	14	1730	2500.	.330	.240	.900	.160	1.400	135.00	51.00		6.90	322.
76	2	14	2330	2500.	.311	.240	.900	.170		125.00	45.00		6.20	319.
76	2	15	530	2500.	.345	.240	.900	.170		162.00	37.00		7.70	328.
76	2	15	1130	2500.	.283	.270	.800	.170		97.60	37.00		6.10	342.
76	2	15	1730	2500.	.290	.290	.800	.180	1.500	73.70	36.00		5.50	359.
76	2	15	2330	2500.	.290	.290	.700	.190		110.00	32.00		6.30	377.
76	2	16	530	2200.	.325	.300	.600	.190		163.00	26.00		7.70	395.
76	2	16	1130	2200.	.323	.320	.500	.190	1.500	176.00	24.00		8.50	409.
76	2	16	1730	2200.	.263	.060	3.600	.710		125.00	23.00			414.
76	2	16	2330	2200.	.591	.100	3.300	1.000		315.00	23.00			393.
76	2	17	530	1100.	1.200	.050	3.600	.320		685.00	19.00			329.
76	2	17	1130	1100.	1.410	.050	3.600	.800		1074.00	17.00			295.
76	2	17	1730	1100.	1.460	.040	3.000	.470		1116.00	16.00			265.
76	2	23	1730	6210.		.040	4.600	.070	1.100	178.00	24.90			403.
76	2	24	1130	4499.		.050	4.600	.070	1.500	136.00	25.00			419.
76	2	25	530	2910.		.050	4.700	.060	1.700	99.70	26.00			459.
76	2	26	1130	2650.						71.80				530.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR FIVER 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	CHLORIDE	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
76	2	26	1730	2050.		.040	4.300	.030	1.200		28.00			
76	2	27	1130	1560.						67.80	28.90			558.
76	2	27	1730	1561.		.050	4.800	.070	.900					
76	2	28	1130	1180.		.050	4.100	.070	1.000	63.50	29.50			579.
76	2	29	1130	918.		.050	4.000	.120	1.200	53.40	30.50			602.
76	3	1	530	750.		.040	3.800	.060	1.200	51.80	30.20			613.
76	3	1	1150	750.	.142	.060	3.800	.060		36.90	28.00			647.
76	3	2	1150	655.	.135	.060	3.900	.160		33.80	28.00			647.
76	3	2	2350	655.		.050	3.700	.080			30.00			667.
76	3	3	550	721.		.050	3.700	.380			31.00			672.
76	3	3	1150	721.	.149	.060	3.600	.120		43.70	32.00			670.
76	3	3	1750	721.	.363	.070	3.700	.110		207.00	32.00			661.
76	3	3	2350	721.	.886	.070	3.400	.050		711.00	25.00			516.
76	3	4	550	1845.	.746	.070	3.600	.050		477.00	22.00			482.
76	3	4	1150	3184.	.778	.070	3.500	.060		504.00	22.00			461.
76	3	4	1750	5714.	.758	.070	3.300	.080		535.00	21.00			488.
76	3	4	2350	7539.	.628	.050	3.400	.080		402.00	19.00			404.
76	3	5	550	8348.	.657	.050	3.600	.050		390.00	18.00			375.
76	3	5	1150	8852.	.596	.060	4.000	.060		335.00	19.00			380.
76	3	5	1750	8768.	.596	.070	3.900	.080		492.00	19.00			385.
76	3	5	2350	8516.	.606	.090	3.900	.070		357.00	18.00			371.
76	3	6	550	8208.	.603	.090	3.700	.100		333.00	18.00			374.
76	3	6	1150	7648.	.622	.080	3.700	.100		355.00	18.00			369.
76	3	6	1750	7053.	.613	.070	3.600	.250		357.00	18.00			366.
76	3	6	2350	6756.	.589	.060	3.600	.080		324.00	17.00			365.
76	3	7	550	6578.	.526	.070	3.600	.120		269.00	17.00			374.
76	3	7	1150	6000.	.505	.060	3.700	.080		267.00	17.00			379.
76	3	7	1750	5454.	.502	.060	3.800	.080		166.00	17.00			389.
76	3	7	2350	4804.	.442	.060	3.800	.100		193.00	18.00			404.
76	3	8	550	4115.	.417	.060	3.900	.090		179.00	18.00			415.
76	3	8	1130	2308.		.050	4.100	.170	1.200	177.00	25.00		14.20	409.
76	3	9	1130	1553.	.246	.060	4.100	.120	.600	89.20	28.00		10.00	475.
76	3	10	1130	998.	.200	.070	4.000	.250	.700	57.90	30.00		6.30	527.
76	3	11	1130	772.	.150	.060	3.800	.130	.200	40.30	32.00		4.20	568.
76	3	12	1130	680.	.110	.070	3.600	.130	1.000	34.30	33.00		3.00	599.
76	3	13	1130	650.	.114	.060	3.500	.080		36.20	34.00		2.30	623.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/COLE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING TIME DATE 24 6 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 14 1157	492.	.107	.060	3.300	.060		.100		28.30	34.00		2.00	637.
76 3 15 1157	467.	.114	.070	3.200	.090				23.80	34.00		2.10	648.
76 3 16 1157	473.	.115	.020	3.100	.390		1.200		21.80	26.00			672.
76 3 16 1157	472.	.164	.030	3.000	.090		1.700		58.30	30.00			650.
76 3 16 1157	544.	.144	.040	3.000	.090		2.500		31.30	34.00			667.
76 3 16 1157	473.	.125	.030	2.900	.030		1.900		54.10	31.00			644.
76 3 16 1157	407.	.115	.020	2.900	.040		3.000		33.00	31.00			664.
76 3 16 1157	660.	.118	.020	1.800	.020		1.500		31.20	34.00			696.
76 3 21 1157	772.	.116	.010	2.700	.030		1.600		34.20	33.00			691.
76 3 22 1157	1464.	.204	.010	2.600	.060		1.800		80.30	34.00			668.
76 3 22 1200	2140.	.214	.030	2.900	.150				102.00	32.00			625.
76 3 23 1200	2371.	.680	.050	3.500	.080				368.00	27.00			481.
76 3 23 1400	2000.	.544	.050	3.400	.010				338.00	27.00			470.
76 3 23 2400	1696.	.520	.040	3.500	.050				308.00	27.00			462.
76 3 24 0600	1417.	.505	.040	3.500	.080				270.00	26.00			461.
76 3 24 1200	1142.	.445	.040	3.300					228.00	25.00			473.
76 3 24 1200	1012.	.504	.040	3.300	.010				232.00	25.00			477.
76 3 24 2400	886.	.481	.040	3.400	.120				207.00	25.00			484.
76 3 25 0600	745.	.433	.030	3.400	.630				186.00	25.00			492.
76 3 25 1200	726.	.387	.030	3.400	.080				233.00	26.00			509.
76 3 25 1800	680.	.348	.040	3.300					139.00	26.00			521.
76 3 25 2400	650.	.310	.020	3.400					126.00	27.00			536.
76 3 26 1200	590.	.272	.030	3.200	.010				105.00				561.
76 3 27 1200	499.	.200	.020	2.900	.030				77.40	29.00			604.
76 3 29 1200	449.	.151	.030	2.700					53.30	29.00			630.
76 3 29 1800	517.	.135	.020	2.600	.080				45.00	29.00			646.
76 3 29 1125	535.	.119	.040	2.700					38.40	29.00			659.
76 3 30 1125	473.	.116	.030	2.350	.030				37.10	30.00			678.
76 4 1 1125	482.	.110	.020	2.000	.010				31.10	31.00			683.
76 4 1 1125	407.	.093	.030	2.000	.010				21.30	31.00			692.
76 4 1 1125	620.	.091	.030	1.900	.010				21.60	31.00			703.
76 4 4 1125	784.	.100	.050	1.700					29.40	30.00			699.
76 4 5 1125	738.	.086	.050	1.700					27.90	31.00			688.
76 4 5 1115	715.	.097	.040	1.700	.130				23.20	31.00			679.
76 4 6 1115	490.	.090	.030	1.800	.070				22.30	32.00			672.
76 4 7 1115	407.	.062	.020	1.600	.110				18.60	32.00			673.

L/PE 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 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 4 8 1115	424.	.066	.010	1.600	.080				15.10	34.00			686.
76 4 9 1115	392.	.058	.010	1.500	.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	670.	.061	.010	.900	.230				9.20	34.00			667.
76 4 15 1100	248.	.083	.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	260.	.103	.010	.100	.170				19.10	35.00			685.
76 4 19 510	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.	.065	.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	339.	.050	.050	.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 WATERSHED MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 0419R003

SAMPLING DATE YR MO DY	TIME 24 HRS	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NO-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	5	9	1110	369.	.087	.010	3.500	.080		16.60	48.00			
76	5	10	510	323.	.091		2.900	.060		28.10	47.00			
76	5	10	1100	302.	.092	.040	3.300			15.60	49.00			744.
76	5	11	1100	254.	.080	.030	2.900	.010		17.80	47.00			745.
76	5	12	1100	223.	.077	.030	1.900	.080		20.70	48.00			754.
76	5	13	1100	198.	.073	.030	1.400			17.10	49.00			760.
76	5	14	1100	172.	.077	.030	1.000	.050		17.80	49.00			764.
76	5	15	1100	166.	.070	.040	.900	.080		11.20	49.00			750.
76	5	16	1100	177.	.087	.030	.800			13.20	53.00			773.
76	5	17	500	187.	.115	.020	.900	.010		15.30	53.00			777.
76	5	17	1115	193.	.125	.050	1.100	.050		9.90	45.00			758.
76	5	17	1715	267.	.198	.070	1.300	.150		72.40	42.00			708.
76	5	17	2315	795.	.565	.070	3.200	.060		356.00	43.00			727.
76	5	18	515	1940.	.354	.080	6.400	.050		190.00	41.00			681.
76	5	18	1115	2182.	.397	.070	13.200	.050		224.00	30.00			546.
76	5	19	1115	1118.	.203	.070	15.500	.060		53.40	35.00			653.
76	5	20	1115	680.	.160	.050	11.300	.060		46.60	38.00			738.
76	5	21	1115	407.	.202	.040	8.400	.100		79.90	38.00			771.
76	5	22	1115	345.	.164	.030	9.600	.070		45.70	37.00			744.
76	5	23	1115	267.	.130	.020	7.800	.040		39.10	37.00			750.
76	5	24	515	729.	.257		7.400	.070		131.00	38.00			757.
76	5	24	1115	217.	.112	.040	7.900	.110		38.50	41.00			772.
76	5	25	1115	182.	.099	.030	7.600	.050		36.20	44.00			782.
76	5	26	1130	161.	.100	.030	6.300	.070		30.40	46.00			785.
76	5	27	1130	105.	.134	.070	5.100	.120		16.50	44.00			770.
76	5	29	1130	129.	.074	.010	3.700	.340		23.70	43.00			759.
76	5	30	1130	105.	.080	.010	3.100	.100		13.50	47.00			774.
76	5	31	515	423.	.125		2.700	.180		48.40	47.00			791.
76	5	31	1200	323.	.125	.030	2.900	.010		55.00	47.00			775.
76	5	31	1800	141.	.307	.060	3.000	.020		209.00	45.00			778.
76	5	31	2400	1400.	.245	.070	3.400	.010		112.00	38.00			759.
76	6	1	600	1166.	.303	.060	6.900	.010		197.00	33.00			656.
76	6	1	1200	1696.	.770	.080	6.200	.010		579.00	26.00			479.
76	6	1	1800	1960.	.596	.120	9.200	.040		332.00	30.00			569.
76	6	1	2400	2392.	.422	.100	10.100	.020		218.00	32.00			636.
76	6	2	600	2476.	.575	.090	12.500	.020		397.00	28.00			543.

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 24:00 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	6 2 1200	2161.	.393	.080	13.800	.010				222.00	31.00			620.
76	6 2 1800	1864.	.350	.080	13.500	.020				207.00	32.00			634.
76	6 2 2400	1678.	.321	.080	13.000	.020				197.00	33.00			631.
76	6 3 600	1536.	.404	.080	13.000	.010				254.00	33.00			639.
76	6 3 1200	1434.	.359	.080	13.600					206.00	32.00			618.
76	6 3 1800	1417.	.352	.080	13.000	.050				223.00	31.00			613.
76	6 3 2400	1349.	.374	.090	13.400	.020				228.00	32.00			626.
76	6 4 600	1400.	.331	.080	13.100	.100				179.00	33.00			651.
76	6 4 1200	1070.	.281	.080	13.500	.030				141.00	34.00			681.
76	6 4 1800	925.	.282	.090	14.300	.210				135.00	35.00			706.
76	6 4 2400	808.	.245	.070	14.700					107.00	36.00			722.
76	6 5 600	715.	.230	.070	15.200	.120				94.50	37.00			728.
76	6 5 1200	630.	.212	.070	16.100	.030				90.60	37.00			724.
76	6 5 1800	562.	.214	.070	16.700	.120				76.70	37.00			724.
76	6 5 2400	508.	.219	.070	16.900	.070				88.60	37.00			728.
76	6 6 600	457.	.221	.080	16.200	.130				92.70	38.00			738.
76	6 6 1200	415.	.184	.080	15.300	.060				67.90	39.00			741.
76	6 6 1800	376.	.158	.060	15.300	.050				49.20	40.00			749.
76	6 6 2400	345.	.165	.070	14.600	.040				55.20	41.00			756.
76	6 7 600	323.	.176	.070	13.900	.060				64.70	43.00			772.
76	6 7 1100	309.	.145	.050	12.600	.050				45.80	44.00			778.
76	6 7 1700	288.	.126	.020	13.200	.020				33.50	44.00			774.
76	6 7 2300	267.	.124	.040	12.400	.040				38.20	43.00			769.
76	6 8 500	254.	.129	.030	11.900	.030				40.10	43.00			767.
76	6 8 1100	235.	.122	.040	11.400	.050				37.30	44.00			764.
76	6 8 1700	223.	.113	.110	10.900	.110				26.60	44.00			760.
76	6 8 2300	217.	.117	.050	10.900	.050				33.00	44.00			759.
76	6 9 500	204.	.120	.050	11.200	.050				28.50	44.00			760.
76	6 9 1100	198.	.108	.090	11.100	.090				19.60	45.00			756.
76	6 9 1700	182.	.230	.230	10.900	.230				18.70	45.00			749.
76	6 9 2300	177.	.170	.170	10.700	.170				23.80	46.00			755.
76	6 10 500	166.	.120	.070	10.700	.070				39.70	45.00			758.
76	6 10 1100	161.	.120	.100	10.500	.110				32.30	45.00			758.
76	6 10 1700	141.	.140	.140	10.400	.140				34.20	48.00			766.
76	6 10 2300	125.	.150	.150	10.100	.150				41.40	48.00			767.
76	6 11 1100	109.	.180	.180	9.200	.180				28.50	49.00			764.

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 24 H	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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	HRS.											
76	6	14	500	95.	.150	.050	8.900	.050		34.00	52.00			778.
76	6	14	1055	95.	.142	.090	8.300	.110		20.00	51.00			735.
76	6	15	1055	88.	.166	.070	9.400	.020		47.00	48.00			751.
76	6	16	1055	81.	.164	.090	7.100	.200		14.70	50.00			732.
76	6	17	1055	85.	.131	.060	6.300	.240		72.80	51.00			754.
76	6	18	1055	95.	.185	.050	5.400	.420		47.10	51.00			735.
76	6	19	1055	121.	.188	.030	5.800	.280		60.50	48.00			704.
76	6	20	1055	141.	.188	.020	2.800	.180		65.10	49.00			727.
76	6	21	455	210.	.235	.020	1.800	.020		126.00	52.00			743.
76	6	21	1105	267.		.070	3.200	.010		124.00	52.00			
76	6	21	1705	323.	.250					164.00				795.
76	6	21	2305	482.		.080	3.200	.010			47.00			
76	6	22	1105	784.	.305	.080	3.200	.020		125.00	41.00			851.
76	6	22	2305	680.		.050	2.300	.030		119.00	42.00			
76	6	23	1105	482.	.247	.050	1.400	.030		104.00	43.00			783.
76	6	23	2305	399.		.050	2.300	.070		60.70	45.00			
76	6	24	1105	302.	.214	.070	4.400	.040		49.10	40.00			787.
76	6	24	1705	309.	.211									782.
76	6	24	2305	323.	.169	.070	6.200	.110		53.90	41.00			775.
76	6	25	505	330.	.179									768.
76	6	25	1105	316.	.174	.080	6.400	.160		80.20	46.00			783.
76	6	25	1705	323.	.239									770.
76	6	25	2305	323.	.212	.060	6.000	.110		76.20	46.00			772.
76	6	26	505	353.	.234									758.
76	6	26	1105	392.	.231	.070	7.900	.120		96.70	45.00			746.
76	6	26	1705	432.	.484									771.
76	6	26	2305	465.	.174	.060	9.700	.050		101.00	44.00			802.
76	6	27	505	517.	.164									816.
76	6	27	1105	600.	.221	.060	11.500	.040		285.00	42.00			793.
76	6	27	1705	540.	.220									764.
76	6	27	2305	620.	.140	.050	13.100	.040		50.30	39.00			765.
76	6	28	505	582.	.307	.050	13.200	.030		50.60	39.00			776.
76	6	28	1100	508.	.236	.090	10.000	.010	1.500	114.00	37.00			730.
76	6	28	2300	415.	.225	.080	10.000	.010	1.100	112.00	37.00			744.
76	6	29	1100	376.	.230	.070	10.700	.010	1.200	101.00	38.00			753.
76	6	29	2300	330.	.186	.080	10.100	.030	2.100	74.80	37.00			728.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198003

SAMPLING TIME DATE 2410 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 7 30 1100	260.	.189	.080	17.000	.020		1.300		71.70	38.00			726.
76 7 31 2300	229.	.146	.090	17.200	.030		.100		22.60	39.00			720.
76 7 1 1100	223.	.193	.080	9.900	.040		.970		43.90	40.00			728.
76 7 2 1100	204.	.271	.060	9.400	.060		1.670		119.00	39.00			732.
76 7 2 2300	281.	.173	.050	9.700	.090		.780		35.00	42.00			730.
76 7 3 1100	295.	.184	.060	8.600	.090		.940		54.90	43.00			722.
76 7 3 2300	281.	.203	.040	8.100	.080		1.080		82.40	39.00			704.
76 7 4 1100	254.	.349	.030	8.100	.070		1.690		204.00	37.00			675.
76 7 4 2300	217.	.186	.010	8.100	.060		.860		88.20	36.00			677.
76 7 5 500	193.	.146		8.200			.940		60.70	38.00			686.
76 7 5 1100	182.	.189	.010	8.400	.070		1.250		61.80	38.00			693.
76 7 5 1500	172.	.287	.170	9.000	.090				65.80	38.00			689.
76 7 5 1900	161.	.184	.030	9.000	.600				73.80	39.00			660.
76 7 5 2300	150.	.161	.030	8.500	.130				63.90	40.00			627.
76 7 6 300	141.	.167	.030	8.600	.020				56.00	40.00			633.
76 7 6 700	137.	.171	.050	8.700					57.00	40.00			653.
76 7 6 1100	134.	.171	.050	8.800	.020				61.10	40.00			664.
76 7 6 1500	129.	.162	.050	8.600	.050				52.50	38.00			656.
76 7 6 1900	125.	.153	.020	7.900	.350				54.10	36.00			615.
76 7 6 2300	121.	.192	.010	8.000	.190				70.20	36.00			602.
76 7 7 300	113.	.231	.020	8.300	.030				105.00	35.00			608.
76 7 7 700	109.	.165	.030	8.000	.020				60.40	35.00			609.
76 7 7 1100	109.	.150	.040	7.800	.090				48.40	36.00			606.
76 7 7 1500	102.	.155	.010	7.400	.180				45.00	37.00			620.
76 7 7 1700	102.	.142		6.900	.310				45.00	38.00			607.
76 7 12 140	55.	.162		6.800	.330				43.70	39.00			597.
76 7 13 100	567.	.437	.120	4.940	.100				218.00	29.00			453.
76 7 13 1300	217.	.307	.140	5.270	.050				137.00	27.00			433.
76 7 14 100	177.	.296	.130	5.300					146.00	30.00			440.
76 7 14 1300	105.	.281	.130	5.510	.200				108.00	29.00			453.
76 7 15 100	125.	.265	.120	5.170	.160				102.00	30.00			461.
76 7 15 1300	117.	.207	.110	4.990	.050				78.40	32.00			484.
76 7 15 1500	105.	.214	.110	4.730	.050				75.80	30.00			485.
76 7 15 1300	66.	.208	.080	4.480	.060				63.40	32.00			492.
76 7 20 100	74.	.410	.010	.300	.030				211.00	41.00			548.
		.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. 04198000

SAMPLING TIME DATE 24.0 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJEL MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 7 2 1300	78.	.113		1.600	.160				57.40	41.00			498.
76 7 21 1300	74.	.097		1.500	.160				41.10	42.00			497.
76 7 21 1300	91.	.123		1.300	.130				40.60	43.00			507.
76 7 22 1300	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 1300	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	.010	.800	.080				128.00	42.00			561.
76 7 24 1900	369.	.166	.020	.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 1300	98.	.120	.050	.800	.310				38.30	38.00			488.
76 8 3 1300	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 1300	81.	.124	.030	.700	.210				43.60	41.00			572.
76 8 4 1300	78.	.107	.030	.700	.130				34.80	43.00			585.
76 8 6 1300	45.	.240	.050	.070	.030				34.60	63.00		.80	686.
76 8 7 1300	41.	.155	.090	.120	.540				19.00	63.00		.43	691.
76 8 9 1300	41.	.126	.050	.110	.360				18.80	63.00		.36	687.
76 8 9 1300	33.	.124	.040	.060	.310				17.40	62.00		.36	680.
76 8 11 1300	29.	.119	.040	.100	.230				27.70	60.00		.53	640.
76 8 11 1300	43.	.131	.030	.100	.230				25.90	67.00		.45	704.
76 8 12 1300	41.	.129	.010	.080	.130				20.30	71.00		.38	717.
76 8 13 1300	43.	.133	.010	.080	.050				32.60	76.00		.10	758.
76 8 13 1300	43.	.142	.070	.100	.330				15.40	72.00			752.
76 8 13 1900	43.	.138	.060	.100	.290				20.80	69.00			746.
76 8 14 1300	43.	.132	.060	.150	.230				19.50	67.00			740.
76 8 14 1300	45.	.137	.060	.170	.190				23.40	65.00			744.
76 8 14 1300	47.	.154	.070	.100	.340				15.90	66.00			738.
76 8 14 1900	49.	.138	.040	.100	.310				17.30	66.00			742.
76 8 15 1300	49.	.133	.050	.100	.300				28.50	67.00			748.
76 8 15 1300	49.	.141	.060	.100	.290				25.60	67.00			762.
76 8 21 1300	71.	.220	.077	.580	.356				41.50	63.50			809.
76 8 21 1300	78.	.133	.038	.590	.060				17.00	65.40			846.
76 8 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	TIME 24 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	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 9 23 1300		57.	.121	.031	.030	.296				18.30	51.10			787.
76 9 24 1300		49.	.135	.034	.030	.218				12.00	49.80			783.
76 9 25 1300		43.	.126	.007	.030	.167				17.00	49.70			779.
76 9 26 1300		43.	.140		.070	.103				29.50	49.20			745.
76 9 27 700		54.	.115		.120	.071				23.70	52.70			773.
76 9 27 1300		61.	.134	.111	.196	.263				17.70	53.00			771.
76 9 28 1300		66.	.122	.094	.430	.100				17.50	62.30			855.
76 9 29 1300		141.	.159	.105	.570	.186				53.20	54.40			845.
76 9 30 1300		156.	.153	.123	.590	.174				30.80	52.70			842.
76 10 1 1300		113.	.115	.085	.130	.148				15.40	50.20			880.
76 10 2 1300		91.	.108	.049	.060	.156				17.20	51.30			880.
76 10 3 1300		71.	.106	.021	.050	.102				21.00	50.10			833.
76 10 4 700		64.	.112	.030	.170	.023				25.90	51.60			830.
76 10 4 1300		70.	.081	.028	.150	.319				21.40	50.80			785.
76 10 5 1300		54.	.117	.026	.160	.355				11.10	49.30			762.
76 10 6 1300		49.	.127	.030	.390	.309				21.50	46.70			728.
76 10 7 1300		54.	.075	.030	.390	.310				9.40	45.70			745.
76 10 8 1300		49.	.076	.015	.630	.132				8.70	46.30			771.
76 10 9 1300		47.	.084	.011	.520	.111				8.70	48.50			769.
76 10 10 1300		52.	.076	.004	.430	.078				10.50	49.40			802.
76 10 11 700		49.	.078		.370	.036				15.70	51.80			812.
76 10 11 1300		49.	.095	.044	.210	.392				7.70	58.30			793.
76 10 12 1300		52.	.095	.041	.110	.380				8.30	59.70			775.
76 10 13 1300		52.	.109	.032	.140	.412				11.60	58.80			767.
76 10 14 1300		47.	.111	.022	.090	.336				9.80	58.50			764.
76 10 15 1300		45.	.104	.011	.160	.226				10.40	58.70			778.
76 10 16 1300		45.	.140	.006	.170	.103				11.80	62.40			801.
76 10 17 1300		41.	.101		.180	.055				13.50	65.30			818.
76 10 18 700		43.	.081		.170	.024				10.60	68.60			844.
76 10 18 1300		43.	.086	.023	.090	.263				12.40	74.00			828.
76 10 19 1300		43.	.079	.023		.250				13.20	74.40			840.
76 10 20 1300		47.	.093	.024	.010	.288				12.60	74.80			833.
76 10 21 1300		59.	.125	.032	.090	.239				14.90	74.00			854.
76 10 22 1300		54.	.093	.016	.090	.147				12.50	75.10			872.
76 10 23 1300		59.	.102	.011	.070	.090				13.20	75.00			875.
76 10 24 1300		64.	.103	.011	.210	.048				19.80	73.20			848.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLE DATE	TIME 24 H	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
76-11-25	700	81.	.108	.009	.460	.036				17.90	74.70			894.
76-11-25	1300	81.	.09	.009	.059	.286				11.10	63.50			894.
76-11-26	1300	79.	.095	.006	.430	.213				9.10	61.30	1.30		887.
76-11-27	1300	81.	.078		.350	.138				9.00	60.80	.80		889.
76-11-28	1300	89.	.089	.007	.380	.149				6.70	60.80	1.40		891.
76-11-29	1300	91.	.127	.039	.240	.196				5.90	59.70	1.40		900.
76-11-30	1300	88.	.067		.310	.129				6.10	61.60	2.10		919.
76-11-31	1400	95.	.079	.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	95.	.057	.040	.270	.188					55.70	1.00		918.
76-11-3	1300	95.	.071	.049	.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	.039	.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.
76-11-9	1300	78.	.093	.035	.470	.127				6.10	62.30	4.80		1002.
76-11-10	1300	74.	.064	.030	.560	.068				6.20	62.60	2.60		980.
76-11-11	1300	69.	.049	.018	.500	.077				5.90	62.30	2.10		963.
76-11-12	1300	57.	.052	.021	.420	.046				6.30	61.50	1.70		936.
76-11-13	1300	61.	.052	.017	.460	.080				5.50	62.10	1.10		929.
76-11-14	1300	61.	.048	.033	.600	.059				5.90	65.40	.90		936.
76-11-15	700	59.	.062	.023	.780	.048				5.50	67.10	.80		942.
76-11-16	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.	.070	.029	.590	.025				5.40	78.80	.40		954.
76-11-28	1300	61.	.065	.023	.580	.021				5.60	72.20	.70		969.
76-11-29	700	59.	.055	.025	.610	.066				6.20	70.50	.80		951.
76-11-30	1300	59.	.069	.024	.750	.073				4.30	65.80	2.20	.20	1003.
76-11-31	1300	60.	.065	.019	.700	.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 TIME DATE	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	CMLD RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76 12 1 1300	55.	.060	.017	.710	.086		.700		4.80	75.20	2.98		1062.
76 12 2 1300	52.	.061	.014	.720	.212		1.400		13.60	75.20	.51		1132.
76 12 3 1300	52.	.095	.067	.180	.241		.700		5.50	67.20	1.05		1098.
76 12 4 1300	52.	.074	.045	.800	.411		1.000		8.90	71.10	.81		1164.
76 12 5 1300	52.	.057	.035	.740	.263		.900		10.20	70.70	.35		1162.
76 12 10 1300	52.	.067	.042	.680	.213		.900		8.00	62.90	.35		1129.
76 12 11 1300	51.	.064	.037	.670	.262		1.000		7.00	69.70	.76		1122.
76 12 12 1300	54.	.112	.061	.710	.311		.700		6.50	79.80	.48		1177.
76 12 13 700	55.	.077	.035	.720	.133		.800		5.40	79.20	.51		1205.
76 12 13 1300	52.	.134	.073	.710	.165		.700		2.10	80.00	.47	.23	1146.
76 12 14 1300	58.	.164	.110	.710	1.160		2.400		2.90	74.70	.54	.19	1142.
76 12 15 1300	64.	.107	.068	.750	.411		.900		2.80	66.50	.41	.19	973.
76 12 16 1300	74.	.212	.097	.580	.164		.800		2.80	64.10	.55	.24	1062.
76 12 17 1300	76.	.080	.047	.780	.186		.700		1.40	62.40	.50	.27	1029.
76 12 18 1300	78.	.174	.077	.950	.165		.700		3.50	62.00	.47	.24	1055.
76 12 19 1300	49.	.231	.086	.930	.206		.900		3.60	61.90	.54	.26	1070.
76 12 20 700	78.	.141	.072	1.000	.162		.800		7.30	100.00	.41	.30	1199.
76 12 21 1300	74.	.097	.054	1.010	.126		.700		1.40	77.70	.69		1091.
76 12 21 1300	84.	.086	.037	1.160	.163		.700		6.80	73.30	1.18		1127.
76 12 22 1300	84.	.060	.030	1.260	.112		.800		4.10	77.50	.82		1149.
76 12 23 1300	84.	.061	.034	1.260	.140		.500		2.90	73.70	.39		1095.
76 12 24 1300	84.	.063	.036	1.260	.073		.700		3.30	75.00	.40		1115.
76 12 25 1300	83.	.080	.042	1.290	.118		.900		2.60	78.30	.76		1123.
76 12 26 1300	80.	.116	.066	1.380	.157		1.100		3.20	88.00	.68		1212.
76 12 27 700	78.	.104	.054	1.470	.148		.700		2.50	87.50	.42		1241.
76 12 27 1300	79.	.134	.070	1.610	.231		.700		3.70	88.30	1.13		1290.
76 12 28 1300	75.	.127	.01	1.650	.240		.700		2.40	83.90	.47		1279.
76 12 29 1300	72.	.124	.061	1.730	.200		.900		2.20	84.70	.98		1284.
76 12 31 900	64.	.167	.016	1.560	.066		.300		23.30	86.20	.41		1268.
77 1 3 700	55.	.117	.067	1.740	.492		.925		7.50	84.90	.61		1283.
77 1 4 1300	55.	.120	.044	1.710	.293				16.90	85.30			1226.
77 1 5 1300	53.	.117	.036	1.710	.377				24.80	88.40			1291.
77 1 6 1300	52.	.121	.054	1.800	.295				9.80	87.20			1300.
77 1 7 1300	52.	.133	.082	1.850	.282				7.30	89.70			1322.
77 1 8 1300	52.	.140	.081	1.840	.365				9.50	165.00			2080.
77 1 9 1900	52.	.150	.092	1.670	.330				11.80	100.00			1360.

LANS ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 0419R000

SAMPLE DATE	TIME HR	FLOW CFS	TOTAL PHOS. MG/L	ORTHOP. PHOS. MG/L	NO-2 NO-3 MG/L	AM-N 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 11 7:00	52.	.137	.077	1.440	.284				8.50	84.70			1253.
77	1 11 15:00	52.	.154	.081	1.540	.282				9.90	77.70			1199.
77	1 12 1:00	52.	.146	.104	1.640	.285				3.00	77.40			1211.
77	1 12 1:00	52.	.163	.116	1.710	.312				2.00	75.20			1226.
77	1 14 1:00	52.	.187	.142	1.680	.332				3.20	72.30			1217.
77	1 14 1:00	52.	.124	.110	1.780	.428				3.30	124.00			1566.
77	1 14 1:00	52.	.121	.116	1.770	.438				2.00	100.00			1382.
77	1 17 1:00	52.	.181	.120	1.760	.593				2.80	84.80			1327.
77	1 18 7:00	53.	.165	.124	1.770	.592				2.70	82.50			1328.
77	1 18 13:00	53.	.250	.124	1.650	.616				4.60	82.70	4.58		1303.
77	1 18 13:00	56.	.179	.123	1.480	.634				5.20	79.10	4.16		1340.
77	1 20 1:00	62.	.170	.120	1.310	.617				4.50	75.00	4.64		1305.
77	1 21 13:00	64.	.164	.120	1.250	.559				5.10	72.30	4.47		1245.
77	1 22 13:00	62.	.171	.128	1.280	.537				5.60	71.00	4.98		1198.
77	1 23 13:00	60.	.167	.115	1.410	.550				4.80	69.70	5.24		1158.
77	1 24 13:00	57.	.160	.123	1.510	.712				4.80	66.40	4.22		1090.
77	1 24 17:00	60.	.167	.115	1.410	.550				4.80	69.70	5.24		1158.
77	1 25 13:00	55.	.147	.118	1.370	.713				3.70	66.10	7.33		1078.
77	1 26 13:00	53.	.146	.133	1.290	.700				3.80	64.50	4.34		1057.
77	1 27 17:00	51.	.149	.120	1.230	.655				3.50	64.60	5.31		1049.
77	1 28 17:00	50.	.150	.142	1.280	.634				3.30	63.50	4.99		1038.
77	1 29 13:00	50.	.170	.142	1.580	.695				2.90	61.40	4.78		1021.
77	1 30 13:00	51.	.174	.136	1.440	.842				12.40	110.00	4.99		1323.
77	1 31 7:00	52.	.164	.125	1.410	.833				5.60	133.00	5.49		1543.
77	2 2 17:00	64.	.204	.157	1.210	.927				22.80	76.20	4.20		1149.
77	2 3 15:00	55.	.191	.160	1.270	.786				15.80	73.00	4.30		1131.
77	2 4 19:00	55.	.200	.171	1.360	.773					70.60	4.47		1129.
77	2 5 19:00	53.	.214	.182	1.400	.776				8.60	68.90	4.64		1119.
77	2 6 19:00	52.	.223	.184	1.440	.822				2.90	67.90	4.81		1125.
77	2 7 13:00	51.	.257	.186	1.490	.683				4.30	77.10	5.08		1097.
77	2 7 13:00	50.	.213	.171	1.570	.826				5.10	76.40	5.62		1100.
77	2 8 13:00	48.	.213	.173	1.530	.739				4.40	77.00	5.46		1112.
77	2 10 13:00	48.	.217	.178	1.460	1.050				5.90	81.80	5.55		1124.
77	2 11 13:00	47.	.234	.187	1.490	.855				16.20	82.20	5.54		1127.
77	2 12 13:00	49.	.241	.224	1.600	.797				7.90	80.40	5.51		1115.
77	2 13 13:00	220.	.337	.220	1.820	.962				14.90	186.00	5.65		1929.

LAKE ERIE WASTE WATER 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 24 HR	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 14	700	761.	.341	.244	1.660	1.010			9.60	128.00	5.65		1334.
77	2 14	1300	772.	.357	.255	1.780	1.170			12.60	118.00	6.50	.36	1251.
77	2 15	1300	1118.	.412	.264	1.830	1.110			17.30	111.00	6.47	.48	1140.
77	2 16	1300	1468.	.412	.249	1.780	1.340			17.20	133.00	6.70	.58	1346.
77	2 17	1300	1281.	.441	.275	1.660	1.600			23.00	82.30	8.04	.57	1068.
77	2 18	1300	1264.	.471	.317	2.080	1.460			16.70	80.50	6.51	.52	963.
77	2 19	1300	1027.	.459	.296	2.440	1.470			16.20	89.20	6.18	.49	932.
77	2 20	1300	847.	.482	.322	2.600	1.640			12.30	90.50	6.68	.47	890.
77	2 21	700	772.	.421	.280	2.600	1.360			6.70	90.50	6.68	.45	884.
77	2 21	1300	715.	.384	.274	2.600	1.340			12.80	90.30	7.98		868.
77	2 21	1900	680.	.379	.265	2.630	1.230			15.10	89.70	8.24		872.
77	2 22	100	680.	.360	.262	2.660	1.230			14.10	89.10	7.43		869.
77	2 22	700	650.	.362	.260	2.670	1.110			18.40	89.20	7.73		860.
77	2 22	1300	490.	.372	.260	2.660	1.260			13.50	89.50	7.38		844.
77	2 22	1900	562.	.386	.275	2.480	1.120			16.70	87.40	8.27		833.
77	2 23	100	490.	.420	.297	2.380	1.130			16.70	85.20	6.69		788.
77	2 23	700	680.	.413	.292	2.400	1.070			15.10	85.60	7.40		790.
77	2 23	1300	899.	.481	.284	2.340	.954			46.90	83.70	6.93		763.
77	2 23	1900	6459.	.535	.281	2.300	.792			82.30	83.00	6.70		709.
77	2 24	100	9300.	.584	.266	2.200	.674			123.00	71.30	5.44		624.
77	2 24	700	8348.	.491	.266	2.190	.619				69.60	5.47		
77	2 24	1300	16310.	1.040	.164	2.320	.645			368.00	61.80	5.25		511.
77	2 24	1900	16820.	1.030	.159	2.280	.596			372.00	51.50	5.76		412.
77	2 25	100	17194.	.867	.144	2.420	.520			339.00	46.10	4.39		366.
77	2 25	700	17670.	.777	.130	2.640	.468			296.00	43.90	3.98		357.
77	2 25	1300	16888.	.709	.127	2.880	.442	2.900		278.00	42.70	5.69		343.
77	2 25	1900	10282.	.862	.134	2.770	.518	3.400		285.00	43.70	4.99		351.
77	2 26	100	9445.	.763	.123	3.230	.487	3.980		296.00	43.70	5.19		354.
77	2 26	700	10625.	.766	.104	3.290	.499	2.830		333.00	44.10	5.00		365.
77	2 26	1300	9532.	.665	.105	3.460	.461	2.510		308.00	44.30	4.85		352.
77	2 26	1900	9132.	.637	.090	3.540	.463	2.510		304.00	43.30	4.41		344.
77	2 27	100	9132.	.595	.094	3.690	.373	2.280		277.00	44.30	5.78		345.
77	2 27	700	9188.	.573	.093	3.730	.333	2.510		266.00	45.20	5.89		358.
77	2 27	1300	8964.	.582	.097	4.010	.289	2.370		272.00	48.00	5.32		382.
77	2 27	1900	8936.	.522	.097	4.470	.280	2.220		250.00	48.10	5.28		367.
77	2 28	100	6320.	.585	.085	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 YR MO DY	TIME 24 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	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77	2	20	700	6945.	.443	.110	4.830	.297	1.800	184.00	49.40	5.59		377.
77	2	20	1500	5610.	.385	.126	6.050	.236	1.580	131.00	45.70	5.03	5.00	416.
77	3	1	1300	2245.	.329	.129	6.570	.283	1.570	81.50	48.20	5.57	3.70	472.
77	3	2	1300	1315.	.266	.127	6.360	.343	1.370	50.80	51.10	5.82	2.70	515.
77	3	3	1300	925.	.255	.149	6.010	.389	1.510	27.50	53.00	6.13	1.60	555.
77	3	4	1300	954.	.281	.136	5.210	.328	1.190	49.80	58.30	5.79	2.30	568.
77	3	5	700	2604.		.131	6.420	.339	1.240	170.00	51.90	5.59	5.00	509.
77	3	5	1300	2978.	.341	.136	6.900	.365	1.260	163.00	51.70	5.58	4.00	496.
77	3	6	1300	2413.	.299	.115	7.280	.394	1.210	73.60	52.10	6.02	3.30	533.
77	3	7	700	1921.	.251	.098	7.350	.349	1.240	58.40	52.80	6.41		559.
77	3	7	1300	1732.	.227	.089	7.820	.086		50.40	54.30	6.58		562.
77	3	8	1300	1070.	.193	.098	7.460	.135		29.70	54.90	7.22		579.
77	3	8	1300	784.	.175	.089	6.930	.112		29.90	57.70	6.80		603.
77	3	10	1300	670.	1.140	.140	9.130	.024		198.00	63.00	4.98		626.
77	3	15	1300	1553.	.231	.075	6.820	.090		60.90	58.60	6.90	2.80	646.
77	3	16	1300	1027.	.213	.068	6.380	.133		54.40	59.20	6.94	2.20	649.
77	3	17	1300	692.	.173	.051	5.930	.104		41.00	68.40	7.06	1.80	693.
77	3	18	1300	1400.	.190	.065	6.340	.100		41.00	64.50	6.75	2.00	646.
77	3	19	1300	2934.	.247	.066	6.350	.088		102.00	58.00	6.81	3.80	629.
77	3	19	100	4882.	.429	.067	6.480	.126		246.00	52.40	6.39	9.00	520.
77	3	19	700	6081.	.477	.073	6.740	.144		263.00	46.80	6.83	10.00	481.
77	3	19	1300	6189.	.493	.064	7.310	.204		261.00	42.80	6.07	12.00	447.
77	3	19	1000	6081.	.465	.067	7.850	.233		244.00	48.70	6.49	11.00	449.
77	3	19	1000	5610.										
77	3	20	100	5246.	.444	.065	7.970	.252		176.00	49.60	6.40	10.10	463.
77	3	20	700	5090.	.445	.075	7.830	.215		174.00	45.30	6.40	9.70	479.
77	3	20	1300	5012.	.466	.075	7.850	.188		180.00	45.10	6.38	10.10	472.
77	3	20	1900	4856.	.452	.071	7.800	.176		188.00	44.90	6.33	10.40	476.
77	3	21	100	4544.	.424	.064	7.920	.138		151.00	43.90	6.51	10.00	466.
77	3	21	700	4115.	.341	.055	7.850	.202		94.80	43.30	6.99	7.90	477.
77	3	21	1300	3748.	.290	.067	8.140	.048	1.690	104.00	38.30	7.15	7.20	485.
77	3	21	1900	3368.	.291	.070	8.130	.048	1.400	102.00	38.60	7.64	7.00	519.
77	3	22	100	3023.	.285	.074	8.250	.066	1.540	81.70	39.40	8.08	6.50	522.
77	3	22	700	2824.	.262	.070	8.190	.121	2.160	82.40	39.70	8.50	5.70	545.
77	3	22	1145	2780.	.234	.062	8.000	.075	1.760	67.90	39.50	7.21	5.20	541.
77	3	22	1900	3000.	.212	.059	7.840	.160	1.480	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. 04198000

SAMPLING TIME DATE 24 HR YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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 3 23 100	4065.	.236	.066	7.720	.178		1.500		79.80	42.70	7.40	5.40	515.
77 3 23 700	4630.	.255	.064	7.616	.061		1.480		72.30	40.90	6.92	6.00	502.
77 3 23 1300	5012.	.276	.060	7.510	.073		1.570		97.40	39.70	6.51	6.80	511.
77 3 23 1900	5012.	.300	.073	7.780	.078		1.710		111.00	39.70	6.92	7.40	500.
77 3 24 100	5064.	.225	.065	8.010	.058		1.790		206.00	40.20	6.89	6.80	504.
77 3 24 700	5142.	.261	.067	8.080	.081		1.530		91.70	39.80	6.58	6.10	504.
77 3 24 1300	4908.	.236	.060	7.970	.137		3.400		83.30	38.70	7.27	5.50	492.
77 3 25 1300	3092.	.238	.059	7.840	.085		1.180		68.00	39.10	6.43	4.70	513.
77 3 26 1300	1826.	.177	.049	7.780	.034		2.060		47.80	40.50	7.59	3.60	550.
77 3 27 1300	1400.	.148	.045	7.320	.049		2.060		40.00	42.90	7.14	2.70	597.
77 3 28 700	1264.	.182	.051	6.970	.057		1.180		52.80	46.40	5.90	3.50	623.
77 3 28 1300	1642.	.170	.060	7.020	.021				53.30	40.90	5.80	3.20	598.
77 3 29 1300	3916.	.264	.058	7.010	.022				126.00	33.60	6.25	5.90	512.
77 3 31 1300	3169.	.292	.061	7.430	.034				133.00	35.90	7.50	6.00	527.
77 4 1 1300	2140.	.265	.068	6.820	.024				112.00	37.30	8.23	5.00	551.
77 4 1 1300	1214.	.189	.064	6.470	.162				69.70	38.10	7.65	3.10	569.
77 4 2 1300	1070.	.199	.066	6.060	.103				72.00	42.20	5.51	3.40	598.
77 4 2 1900	1400.	.199	.067	6.130	.078				73.50	42.00	6.44	3.40	621.
77 4 3 100	2476.	.248	.054	5.880	.054				115.00	39.60	5.67	4.90	600.
77 4 3 700	5012.	.366	.061	5.350	.058				221.00	35.50	6.97	8.10	557.
77 4 3 1300	6432.	.605	.070	4.860	.115				382.00	30.70	7.76	15.00	485.
77 4 3 1900	6702.	.786	.075	5.160	.115				485.00	26.70	7.35	21.80	427.
77 4 4 100	6540.	.720	.080	5.600	.202				485.00	27.30	8.02	19.40	424.
77 4 4 700	6216.	.734	.084	5.710	.169				394.00	26.10	7.80	19.80	414.
77 4 4 1300	6081.	.708	.105	6.310	.031				279.00	20.90	6.67	18.30	405.
77 4 4 1900	6027.	.675	.106	6.370	.027				277.00	21.30	6.83	17.60	400.
77 4 5 100	6000.	.706	.094	6.120	.030				248.00	20.10	6.87	19.10	395.
77 4 5 700	6054.	.682	.089	5.940	.029				262.00	19.50	7.29	18.50	388.
77 4 5 1300	5896.	.635	.083	5.860	.109				243.00	19.20	7.18	17.10	387.
77 4 5 1900	5584.	.599	.079	5.810	.119				232.00	19.40	7.06	15.90	397.
77 4 6 100	5134.	.533	.080	5.990	.069				232.00	19.90	6.98	13.60	412.
77 4 6 700	4778.	.473	.080	6.080	.040				177.00	20.60	7.38	12.00	423.
77 4 6 1300	4265.	.415	.071	6.060	.035				174.00	21.10	7.28	10.70	432.
77 4 6 1900	3820.	.392	.074	6.090	.030				102.00	21.50	7.39	9.80	442.
77 4 13 1300	526.	.133	.046	4.100	.086				49.80	36.60	3.59	1.20	667.
77 4 14 1300	465.	.085	.052	3.660	.113				40.30	37.30	3.01	1.30	678.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION #/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOC 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	HRS.											
77	4	15	1300	415.	.105	.035	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	21	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	1.00	663.
77	4	21	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	1.00	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	.025	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	1.280	89.90	38.40	5.33	3.30	652.
77	4	26	1300	1980.	.154	.048	6.580	.062	1.370	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	4.880		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.	.230	.072	5.660	.038	1.420	82.80	40.50	3.98	4.10	628.
77	5	4	1900	2890.	.298	.070	5.970	.057	1.840	133.00	38.00	4.18	5.70	615.
77	5	5	100	4990.	.410	.063	7.320	.045	3.690	240.00	32.30	5.60	10.00	518.
77	5	5	700	4682.	.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	4590.	.410	.081	9.970	.059	2.030	185.00	31.40	6.87	8.10	528.
77	5	6	1900	4740.	.405	.071	10.080	.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	530.
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. 04198000

SAMPLING TIME DATE 2470 YR MO DY 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 5 8 7 0	1883.	.310	.060	8.610	.040		1.820		116.00	32.80	7.67	5.80	545.
77 5 8 1300	1624.	.265	.056	8.510	.056		1.410		95.00	33.00	7.75	4.60	553.
77 5 8 1900	1417.	.241	.061	8.310	.075		1.750		67.30	33.50	7.75	3.90	567.
77 5 9 1 0	1247.	.229	.057	8.150	.063		1.270		76.70	33.80	7.65	3.70	575.
77 5 9 700	1102.	.218	.058	8.020	.051		1.320		70.50	34.70	7.35	3.50	586.
77 5 9 1300	983.	.219	.085	7.680	.015				60.80	31.90	10.40	3.30	596.
77 5 10 1300	692.	.172	.086	6.980	.020				45.80	34.00	8.37	2.30	624.
77 5 11 1300	553.	.146	.062	6.330	.042				38.80	35.60	8.12	2.00	647.
77 5 12 1300	449.	.124	.061	5.760	.047				34.10	36.00	5.80	1.80	663.
77 5 13 1300	376.	.104	.047	5.180	.074				28.20	43.40	4.59	1.30	705.
77 5 14 1300	330.	.093	.022	4.500	.063				21.50	39.50	3.55	1.00	702.
77 5 15 1300	302.	.085		3.760	.025				29.80	40.20	2.55	.70	683.
77 5 16 7 0	281.	.099		3.810	.016				25.80	77.40	4.09	1.00	869.
77 5 16 1300	281.	.106	.069	3.700	.020				36.80	51.30	.98	.70	732.
77 5 17 1300	267.	.091	.051	3.750	.020				35.60	62.90	.93	.90	891.
77 5 18 1300	241.	.085	.055	3.370	.026				37.90	48.50	.78	.80	750.
77 5 19 1300	248.	.087	.060	3.240	.020				33.90	47.90	.81	.90	752.
77 5 20 1300	235.	.089	.052	2.880	.015				31.00	46.90	.73	1.00	692.
77 5 21 1300	210.	.099	.041	2.250	.029				39.50	45.00	.62	1.20	699.
77 5 22 1300	177.	.092	.037	2.010	.057				31.30	45.30	.78	1.10	709.
77 5 23 700	166.	.249	.078	2.390	.037				88.60	47.10	1.11	3.30	679.
77 5 23 1300	161.	.184	.107	1.930	.055		.340		60.60	57.00	1.87	2.20	712.
77 5 24 1300	157.	.367	.126	2.030	.054				153.00	66.10	2.12	5.80	776.
77 5 25 1300	133.	.253	.129	2.590	.056				72.70	60.70	2.52	3.70	724.
77 5 26 1300	150.	.249	.096	1.760	.016				91.80	69.30	2.06	3.50	828.
77 5 27 1300	137.	.215	.092	1.290	.036				63.80	51.50	1.88	2.90	765.
77 5 28 1300	113.	.200	.068	.790	.236				53.40	48.10	1.27	2.20	730.
77 5 29 1300	95.	.165	.075	1.130	.178				34.20	54.30	1.16	1.40	714.
77 5 30 700	81.	.166	.051	.740	.156		1.720		24.20	52.00	.91	1.40	702.
77 5 31 1300	78.	.193	.077	.820	.043		.862		30.10	47.70	.29	1.30	725.
77 6 1 1300	74.	.160	.057	.390	.226				25.00	46.70	.26	.90	738.
77 6 2 1300	44.	.192	.051	.410	.103				64.60	46.50	.34	2.00	767.
77 6 3 1300	61.	.043	.043	.240	.254				11.50	47.90	.35	.80	785.
77 6 4 1300	59.	.152	.024	.150	.355				17.60	112.00	.13	.70	1033.
77 6 5 1300	66.	.241	.020	.320	.302				49.90	68.60	.29	1.70	798.
77 6 6 700	78.	.217		.080	.139		1.340		51.30	54.90	.25	1.80	805.

LAKE ERIE WASTE WATER 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 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NI-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	1	1900	69.	.182	.029	.030	.164						
77	6	11	1900	74.	.194	.024	.020	.126		1.360	54.30	50.40	.09	1.30
77	6	12	1900	81.	.120	.270	.059				70.30	52.10	.16	2.00
77	6	13	1900	88.	.227	.110	.069				30.60	56.00	.37	1.10
77	6	13	1900	88.	.144	.067	.600	.016		1.200	74.70	50.80	1.39	2.40
77	6	14	1900	81.	.151	.086	.690	.016		.610	31.50	49.40	.34	1.50
77	6	14	1900	78.	.203	.118	.570	.070			57.50	74.90	.41	1.60
77	6	16	1900	69.	.149	.097	.380	.064			93.30	77.30	.51	2.60
77	6	16	1900	64.	.164	.124	.440	.100			44.30	62.40	.44	1.60
77	6	16	1900	64.	.149	.148	.490	.087			44.80	61.90	.76	1.30
77	6	19	1900	193.	.131	.107	.490	.043			54.90	64.80	.73	2.00
77	6	21	1900	129.	.305	.060	.180	.026			77.70	65.50	.59	2.50
77	6	21	1900	113.	.268	.123	.400	.106	1.760	161.00	59.80	.35	4.50	829.
77	6	21	1900	88.	.174	.090	.260	.171			79.90	60.80	.96	1.70
77	6	22	1900	64.	.144	.089	.190	.150			50.60	55.90	.46	1.00
77	6	23	1900	52.	.183	.095	.150	.286			41.70	55.90	.52	.70
77	6	24	1900	49.	.168	.083	.170	.181			31.60	54.90	.38	.70
77	6	25	1900	61.	.150	.115	.250	.278			42.40	54.80	.51	1.10
77	6	26	1900	59.	.082		.450	.101			34.80	60.70	.68	1.00
77	6	27	1900	57.	.174		.270	.227			17.70	64.10	.70	.60
77	6	27	1900	57.	.184	.090	.710	.028			40.40	62.50	.69	1.00
77	6	27	1900	54.	.153	.060	.520	.038			35.60	58.00	.59	1.10
77	6	28	1900	52.	.205	.081	.530	.013			21.70	54.00	.57	.70
77	6	28	1900	49.	.206	.080	.570	.010			29.80	65.40	.48	1.00
77	6	28	1900	47.	.225	.077	.810	.099			36.20	84.90	.50	1.10
77	6	28	1900	47.	.180	.067	1.750	.210			56.90	109.00	.47	1.00
77	6	28	1900	45.	.160	.070	.220	.197			33.00	119.00	.58	.80
77	6	29	1900	49.	.214	.063	.420	.086			40.10	137.00	.35	1.10
77	6	29	1900	49.	.193	.070	.210	.251			72.40	130.00	.49	2.00
77	6	29	1900	57.	.140	.044	.090	.228			39.20	120.00	.31	1.10
77	6	30	1900	1.00.	.160	.044	.640	.378			27.70	114.00	.24	.80
77	6	30	1900	1000.	.168	.050	.480	.037			39.90	105.00	.66	1.10
77	6	30	1900	1000.	.134	.048	.700	.102			36.70	102.00	.74	1.30
77	6	30	1900	1000.	.405	.084	1.150	.070			36.70	96.10	.95	.90
77	7	1	1900	4400.	.600	.103	2.260	.043			218.00	81.10	1.86	9.90
77	7	1	1900	4400.	.684	.117	3.390	.073			350.00	75.90	2.24	14.00
77	7	1	1900								389.00	60.30	3.20	14.20

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREET : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME 24:00 HR	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 KJEL MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77 7 1	1300	4400.	.687	.175	4.490	.019				357.00	54.70	4.65	11.60	723.
77 7 1	1900	4400.	.668	.098							48.70	6.45	14.90	
77 7 2	100	2150.	.683	.068	9.370	.056				475.00	45.90	5.28	14.90	704.
77 7 2	700	2150.	.302	.066	6.230	.083				158.00	47.20	4.30	4.30	737.
77 7 2	1300	2150.	.237	.060	4.890	.073				105.00	52.50	3.83	3.70	820.
77 7 2	1900	2150.	.776	.061	6.190	.064				571.00	42.70	4.27	22.20	659.
77 7 3	100	1000.	1.020	.058	8.090	.059				846.00	34.30	5.68	35.00	541.
77 7 3	700	1000.	.978	.060	9.940	.077				835.00	32.80	5.53	33.80	538.
77 7 3	1300	1000.	.941	.113	10.400	.040		3.680		751.00	27.10	6.09	27.50	462.
77 7 3	1900	1000.	.824	.107	10.660	.037		2.480		613.00	33.50	6.33	24.00	482.
77 7 4	100	650.	.781	.109	10.200	.030		2.400		603.00	31.60	6.17	22.90	472.
77 7 4	700	650.	.739	.110	10.800	.030		3.840		528.00	29.80	6.48	21.10	466.
77 7 4	1300	650.	.660	.104	11.300	.047		2.430		457.00	29.90	6.74	18.20	464.
77 7 4	1900	650.	.589	.097	11.900	.041		2.550		410.00	37.90	6.28	16.30	502.
77 7 5	700	455.	.686	.111	11.300	.037		2.590		455.00	39.10	6.59	17.30	533.
77 7 5	1900	455.	.420	.100	11.900	.032		2.020		228.00	35.40	6.80	9.40	552.
77 7 6	100	700.	.383	.081	12.100	.036		1.510		231.00	36.60	6.32	8.40	565.
77 7 6	700	700.	.415	.080	12.100	.034		1.910		262.00	34.40	6.95	8.90	566.
77 7 6	1300	700.	.404	.082	11.900	.049		2.110		252.00	34.40	6.89	8.50	571.
77 7 6	1900	700.	.456	.070	11.800	.027		2.170		315.00	30.80	7.02	11.60	530.
77 7 7	100	900.	.729	.063	9.600	.049		2.580		613.00	24.30	6.02	24.10	410.
77 7 7	700	900.	.650	.065	9.990	.044		2.200		500.00	25.00	6.19	19.80	418.
77 7 7	1300	900.	.664	.076	10.100	.035		2.420		503.00	24.30	6.25	20.20	421.
77 7 7	1900	660.	.557	.079	9.870	.078		2.260		333.00	25.40	7.56	14.30	449.
77 7 8	1300	660.	.528	.075	9.670	.030		2.220		307.00	25.60	6.89	13.10	441.
77 7 8	1900	660.	.494	.070	9.510	.039		1.800		296.00	25.60	7.24	12.80	441.
77 7 12	1300	280.	.356	.083	6.350	.054				160.00	58.20	7.97	7.90	578.
77 7 13	1300	220.	.276	.071	5.680	.156				100.00	31.60	7.05	5.10	495.
77 7 14	1300	182.	.263	.067	5.310	.087				107.00	32.20	6.77	4.50	514.
77 7 15	1300	129.	.216	.047	4.140	.110				79.30	38.70	7.48	3.20	545.
77 7 16	1900	85.	.190	.050	3.520	.127				52.40	42.40	6.53	2.00	571.
77 7 17	1300	88.	.187	.038	3.680	.123				51.50	38.60	7.82	2.10	575.
77 7 18	1300	69.	.158	.036	3.510	.018				40.30	36.00	9.20	1.70	591.
77 7 19	1900	66.	.153	.053	3.720	.019				40.20	50.50	5.67	1.70	629.
77 7 19	1900	57.	.135	.042	3.150	.031				24.80	71.50	3.68	.90	683.
77 7 20	1900	59.	.132	.029	2.630	.263				33.70	46.00	3.52	1.10	559.

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 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
77 7 21 1900	57.	.126	.024	2.060	.159				22.20	38.10	2.98	.80	524.
77 7 22 1900	64.	.139	.024	2.060	.143				34.30	39.30	3.79	1.20	553.
77 7 23 1900	133.	.268	.029	1.810	.145				105.00	41.00	3.41	3.60	579.
77 7 24 1900	726.	.156	.013	2.290	.024				55.40	45.20	3.17	2.00	608.
77 7 25 1300	535.	.233	.049	.600	.031				75.50	38.90	3.69	2.90	674.