Lake Erie Protection Fund

INTERIM REPORT AND PAYMENT REQUEST

For the project period July 1999 through June 2000

Project ID Number: SG 105-99 Project Director: Beth A. Seibert

Project Title: Enhanced Monitoring In The Ottawa River Watershed

Payment Address: 3900 Campus Drive, Suite A
Lima, OH 45804-3596

This form is to be used to make interim reports to the Ohio Lake Erie Commission. Please complete all sections. In addition, please attach any reports, papers or publications that have resulted from this project since the last report. Please file reports in a timely manner as outlined in the Agreement. Remit to: Ohio Lake Erie Office, Lake Erie Protection Fund, One Maritime Plaza, Fourth Floor, Toledo, OH 43604-1866. Reports will not be accepted without Lake Erie Protection Fund ID number.

SECTION A

PROJECT COMPLETION

1. Do you foresee completing this project within the timeframe contained in the Agreement?

   The project is complete.

2. What significant problem(s) so you anticipate in completing this project?

3. What product(s) do you anticipate will result from this project? Be specific as to papers to be presented or submitted for journal publication.

   1. "Volunteer Stream Monitoring – Field Monitoring Step By Step" instructional guide for volunteer stream monitors *provided with previous interim report*
   2. Thirteen lab reports of monthly (March 1999 – June 2000) analysis results for the samples collected from the twenty monitoring sites. Prepared by Alloway Environmental Testing. *March – May 1999 provided with previous interim report June 1999 – June 2000 provided with this report*
   3. "Ecoli Bacteria Monitoring – Summer 1999" spreadsheet report *(copy attached)*
   4. The program began utilizing the *Ohio Sediment Stick* for in-field analysis of total suspended solids. Data points increased from bi-weekly to weekly and lab costs were reduced.
   5. Project reports were distributed to 62 Coalition member organization representatives and 48 representatives from participant organizations through minutes of 8 regular meetings.
   6. The Allen County Health Dept. was notified with the 1999 bacteria monitoring results and an offer from the Coalition to facilitate a discussion on the subject *(copy is attached)*.
   7. The monitoring program was featured in 2 news releases during the project period *(copies attached)*. These releases each went out to 9 area newspapers, 10 radio stations, and 4 television stations. Articles were also included in 2 Coalition newsletters which each had a distribution of approximately 1,045 *(copies attached)*. WOHL FOX TV featured the stream monitoring program in a July 1999 *News Magazine* segment. The Allen County Chamber of Commerce featured the monitoring program in one of their Monday morning media sessions in April 2000. A November 2000 presentation of the overall bacteria results and influences is scheduled for the Northwest Ohio Conference of Health Depts.

SG 105-99

SECTION B

FINAL PROGRESS REPORT

1. What percentage of your project is complete?

The project was completed within the revised timeline per the approved project revision.

2. Give a brief overview of the work that has been completed.

As a result of this project we were able to complete a total of 4.8 years of stream monitoring, which involved 20 sites in the Ottawa River Watershed. Our stream monitoring program focuses on nine tributaries of the Ottawa River system. Our monitoring season runs weekly from March through November. Project funds were specifically used to equip the volunteers and for the laboratory analysis of water samples.

Twenty-eight stream monitoring citizen volunteers contributed a total of 1,359 hours to the monitoring program through field sampling. We evaluated 11 parameters at each site, including Phosphorus, Ammonia/Nitrogen, Nitrate/Nitrite, Lead, Mercury, Hardness, Dissolved Oxygen, Temperature, pH, Total Suspended Solids, and Ecoli Bacteria. Sixteen people served on the Monitoring Committee, which met a total of seven times over the course of this project. The Monitoring Committee chairman and the project coordinator met another six times to prepare and evaluate the monitoring data.

The ultimate goal of this project was to add another year of data to our stream monitoring database. One hundred eighty-nine total monthly field data sheets from 20 sites were produced by the volunteers during the project period. The monitoring database increased by 18.6% with 568 total weekly site visits added due to this project bringing the total database weekly visits to 3,049. This added an average of 28 weeks of data to each site in the database. The database now reflects a total of 152 weeks of monitoring.

At the time this report was submitted, our organization was in the process of preparing the database information for a formal cumulative report to our members and other partners. As we verify, re-organize, and evaluate the data we prepare to utilize it for our own watershed inventory work and the impending TMDL process. The Hydrology Study that we have contracted USGS to perform is 57% complete at this time and will eventually allow us to translate our past, present and future monitoring data into load related information.

3. For research projects, what are the preliminary findings? Do these findings agree or disagree with your original hypothesis?

4. What benefits to Lake Erie or the State of Ohio have accrued as a result of this project?

One of the Ottawa River Coalition's objectives has been to share information on our programs with others. It has always been our goal to conduct a quality monitoring program that produces sound results. We created this program specifically for our use, based on our needs, but we believe that it is a replicable program. We are providing information on the monitoring program design, costs, results, the use of citizen volunteers, and the role of the committee on an as-requested basis. We are networked with SWCDs in Ohio, the North Central Region, and at the national level. We are also connected with the *Know Your Watershed* and *Adopt a Watershed Programs*. As a subwatershed of Lake Erie, we believe that our on-going monitoring efforts would be of considerable interest to the State of Ohio and the Great Lakes Basin. During this project period, but separate from this project we developed our first Quality Assurance Project Plan (QAPP).

OTTAWA RIVER COALITION

June 1999

Location	Collect Date	Lead, Total ug/L	Mercury, Total ug/L	Hardness mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Total Suspended Solids mg/L
Pike Run A	06/01/99	<2.0	<0.2		0.69	4.73	0.34	
Pike Run B	06/01/99	<2.0	<0.2		0.20	4.80	0.25	8.4
Grass Creek A	06/04/99	<2.0	0.2		1.24	8.37	1.20	
Grass Creek B	06/04/99	<2.0	<0.2		0.23	5.71	0.09	
North Street B	06/11/99							22.4
Little Ottawa River B	06/13/99							30.0
Mouth of the System	06/15/99							100.
North Street B	06/24/99				0.20	6.42	0.17	14.4
Little Ottawa River A	06/24/99				0.18	0.91	0.52	
Little Ottawa River B	06/24/99				0.43	7.08	0.36	15.6
Pike Run A	06/30/99				<0.20	2.95	0.39	
Pike Run B	06/30/99				<0.20	6.25	0.44	22.8
Lost Creek A	06/30/99				<0.20	0.52	0.12	
Lost Creek B	06/30/99				<0.20	5.82	0.23	
Sugar Creek A	06/30/99				<0.20	2.44	0.14	
Sugar Creek B	06/30/99				0.24	4.85	0.34	43.0
Plum Creek A	06/30/99				<0.20	2.78	0.17	
Plum Creek B	06/30/99				<0.20	5.42	0.34	56.5
Dug Run A	06/30/99				<0.20	5.70	1.43	6.4
Little Hog Creek A	06/30/99				<0.20	5.22	0.26	
Little Hog Creek B	06/30/99				<0.20	5.32	0.30	

Alloway
ENVIRONMENTAL TESTING SERVICES

OTTAWA RIVER COALITION

July 1999

Location	Collect Date	Fecal Coliform / per 100 mLs	Biochemical Oxygen Demand mg/L	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Lead ug/L	Mercury ug/L	E. Coli per 100 mLs
Grass Creek A	07/02/99				0.57	8.05	0.69			
Grass Creek B	07/02/99				0.30	8.65	0.14			
Mouth of the System	07/07/99				<0.20	7.88	0.31	<2.0	<0.2	
Little Ottawa River B	07/09/99			58.6						
Plum Creek B	07/15/99			46.8						
Sugar Creek B	07/15/99			51.6						
North Street B	07/15/99			24.6						
Pike Run B	07/18/99			37.6						
Dug Run A	07/18/99			6.8						
Mouth of the System	07/18/99			24.4						
Little Ottawa River A	07/24/99				0.26	1.85	0.55	<2.0	<0.2	
Little Ottawa River B	07/24/99			18.4	0.46	5.52	0.35	<2.0	<0.2	
Lost Creek B	07/26/99									430.
Lost Creek A	07/26/99									1600.
Railroad	07/26/99									3000.
Honey Run A	07/26/99									1200.
Dun Run A	07/26/99									1500.
Pike Run B	07/26/99									2400.
Pike Run A	07/26/99									5200.
Sugar Creek A	07/26/99									1100.
Plum Creek A	07/26/99									6600.
Plum Creek B	07/26/99									1500.
Grass Creek A	07/26/99									3800.
Grass Creek B	07/26/99									7000.
Lost Creek A	07/29/99				<0.20	0.50	0.17	<2.0	<0.2	
Lost Creek B	07/29/99				<0.20	0.44	0.20	<2.0	<0.2	
North Street B	07/29/99			17.6	0.25	1.90	0.13	<2.0	<0.2	
Sugar Creek A	07/30/99				0.26	2.88	0.53	<2.0	<0.2	
Sugar Creek B	07/30/99			14.4	<0.20	4.58	0.40	<2.0	<0.2	
Plum Creek A	07/30/99				<0.20	0.48	0.33	<2.0	0.2	
Plum Creek B	07/30/99			55.2	<0.20	1.70	0.43	<2.0	<0.2	
Sugar Creek A	07/30/99				<0.20	0.50	0.23	<2.0	<0.2	
Sugar Creek B	07/30/99			20.8	<0.20	1.70	0.42	<2.0	<0.2	
Little Hog Creek A	07/30/99				<0.20	0.28	0.50	<2.0	<0.2	
Little Hog Creek B	07/30/99				<0.20	0.35	0.31	<2.0	<0.2	
Dug Run A	07/30/99			4.8	<0.20	3.82	1.72	<2.0	<0.2	
Mouth of the System	07/31/99			40.8	<0.20	1.16	0.43	<2.0	<0.2	

1101 North Cole St. • Lima, OH 45805
www.alloway.com
508 Bissman Ct. • Mansfield, OH 44903
Phone: 419/525-1644 • Fax: 419/524-5575

OTTAWA RIVER COALITION

AUGUST 1999

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Lead ug/L	Mercury ug/L	E. Coli per 100 mLs
Dug Run A	08/02/99							500.
Pike Run B	08/02/99							520.
Pike Run A	08/02/99							AE
Sugar Creek A	08/02/99							1200.
Plum Creek A	08/02/99							3200.
Plum Creek B	08/02/99							280.
Grass Creek A	08/02/99							1410.
Grass Creek B	08/02/99							620.
Lost Creek B	08/02/99							600.
Lost Creek A	08/02/99							1000.
Railroad	08/02/99							760.
Honey Run A	08/02/99							740.
Grass Creek A	08/03/99		0.44	2.68	0.58	<2.0	<0.2	
Grass Creek B	08/03/99		0.24	0.74	0.09	<2.0	<0.2	
Little Ottawa River B	08/08/99	15.2						
Lost Creek B	08/12/99							230.
Lost Creek A	08/12/99							880.
Railroad	08/12/99							200.
Honey Run A	08/12/99							2300.
Grass Creek A	08/12/99							1500.
Grass Creek B	08/12/99							70.
Plum Creek A	08/12/99							940.
Plum Creek B	08/12/99							220.
Sugar Creek A	08/12/99							100.
Pike Run A	08/12/99							3400.
Pike Run B	08/12/99							180.
Dug Run A	08/12/99							400.
North Street B	08/14/99	62.6						
Pike Run B	08/16/99	17.6						
Dug Run A	08/16/99	79.6						
Lost Creek B	08/17/99							220.
Railroad	08/17/99							1200.
Dug Run A	08/17/99							1100.
Pike Run B	08/17/99							>20000.
Pike Run A	08/17/99							5400.
Sugar Creek A	08/17/99							840.
Plum Creek B	08/17/99							250.
Grass Creek B	08/17/99							3600.
Sugar Creek B	08/17/99	30.0						
Plum Creek B	08/17/99	33.2						
Mouth of the System	08/18/99	41.0						
Plum Creek B	08/23/99							500.
Pike Run B	08/23/99							2500.
Dug Run A	08/23/99							230.
Lost Creek B	08/23/99							130.
Lost Creek A	08/25/99		0.20	0.69	0.15			
Lost Creek B	08/25/99		0.10	0.49	0.17			
North Street B	08/28/99	33.8	<0.20	0.35	0.15			
Little Ottawa River A	08/29/99		0.26	4.3	0.50			
Little Ottawa River B	08/29/99	18.4	0.93	5.22	0.39			
Little Hog Creek A	08/31/99		<0.20	1.07	0.49			
Little Hog Creek B	08/31/99		<0.20	1.41	0.30			
Dug Run A	08/31/99	4.0	0.43	5.28	1.58			
Pike Run A	08/31/99		0.26	2.25	1.14			
Pike Run B	08/31/99	25.6	<0.20	3.98	0.38			
Sugar Creek A	08/31/99		<0.20	0.52	0.20			
Sugar Creek B	08/31/99	46.4	<0.20	25.0	0.40			
Plum Creek A	08/31/99		0.28	0.24	0.32			
Plum Creek B	08/31/99	47.2	<0.20	3.18	0.33			
Mouth of the System	08/31/99	50.0	<0.20	4.88	0.31			

OTTAWA RIVER COALITION

SEPTEMBER 1999

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Lead ug/L	Mercury ug/L
Grass Creek A	09/01/99		<0.20	8.02	1.04		
Grass Creek B	09/01/99		<0.20	<0.05	0.34		
Little Ottawa River B	09/14/99	10.8					
North Street B	09/15/99	6.8					
Mouth of the System	09/17/99	49.0					
Pike Run B	09/20/99	7.6					
Dug Run A	09/20/99	<4.0					
Honey Run B	09/20/99	10.8					
Sugar Creek B	09/20/99	33.2					
Plum Creek B	09/20/99	58.5					
Little Ottawa River B	09/24/99	134.	1.22	4.70	0.35	<2.0	<0.2
North Street B	09/30/99	16.0	0.41	0.83	0.08	<2.0	<0.2
Dug Run A	09/30/99	9.6	0.35	3.42	1.64	<2.0	<0.2
Honey Run B	09/30/99	16.8	1.00	2.30	0.40	<2.0	<0.2
Lost Creek A	09/30/99		<0.20	0.25	0.08	<2.0	<0.2
Lost Creek B	09/30/99		0.34	0.13	0.23	<2.0	<0.2
Little Hog Creek A	09/30/99		0.20	0.60	0.77	<2.0	<0.2
Little Hog Creek B	09/30/99		<0.20	1.23	0.27	<2.0	<0.2
Mouth of the System	09/30/99	73.6	<0.20	2.76	0.32	<2.0	<0.2

OTTAWA RIVER COALITION

OCTOBER 1999

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Lead ug/L	Mercury ug/L
Sugar Creek B	10/03/99	30.4	<0.20	2.78	0.41	<2.0	<0.2
Pike Run A	10/03/99		0.64	2.26	1.92	<2.0	<0.2
Pike Run B	10/03/99	<4.0	<0.20	1.82	0.48	<2.0	<0.2
Plum Creek A	10/03/99		0.29	0.82	0.34	<2.0	<0.2
Plum Creek B	10/03/99	36.8	0.30	2.68	0.42	<2.0	<0.2
Grass Creek A	10/05/99		<0.20	<0.05	0.03	3.9	<0.2
Grass Creek B	10/05/99		<0.20	<0.05	<0.02	3.5	<0.2
Little Ottawa River B	10/06/99	7.2					
North Street B	10/16/99	5.2					
Dug Run A	10/18/99	4.4					
Honey Run B	10/18/99	7.2					
Pike Run B	10/18/99	<4.0					
Mouth of the System	10/18/99	19.4					
Sugar Creek B	10/22/99	19.6					
Plum Creek B	10/22/99	10.4					
Lilttle Ottawa River B	10/24/99	<4.0	0.76	3.52	0.53		
North Street B	10/30/99	11.2	0.54	0.73	0.07		

OTTAWA RIVER COALITION

NOVEMBER 1999

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L
Mouth of the System	10/28/99	18.4	<0.20	1.67	0.45
Pike Run A	11/01/99		0.34	1.20	3.72
Pike Run B	11/01/99	12.8	<0.20	2.45	0.49
Little Hog Creek A	11/01/99		<0.20	0.36	0.60
Little Hog Creek B	11/01/99		<0.20	0.32	0.44
Lost Creek A	11/01/99		<0.20	0.19	0.10
Sugar Creek B	11/01/99	20.8	<0.20	1.81	0.58
Plum Creek A	11/01/99		<0.20	0.12	0.24
Plum Creek B	11/01/99	11.2	<0.20	1.78	0.40
Honey Run B	11/01/99	9.6	<0.20	2.95	0.41
Dug Run A	11/01/99	10.8	0.34	4.08	1.95
Grass Creek A	11/09/99		<0.20	<0.05	0.11
Grass Creek B	11/09/99		<0.20	<0.05	0.15
North Street B	11/12/99	4.8			
Little Ottawa River B	11/13/99	<4.0			
Mouth of the System	11/15/99	6.0			
Plum Creek B	11/24/99	10.0			
Sugar Creek A	11/24/99	20.8			
Pike Run B	11/24/99	<4.0			
Little Ottawa River B	11/27/99	4.0	0.65	3.00	0.31
North Street B	11/29/99	8.0	0.27	1.08	0.08
Mouth of the System	11/30/99	5.6	<0.20	2.30	0.37

OTTAWA RIVER COALITION

DECEMBER 1999

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L
Little Ottawa River B	12/11/99	10.4			
Grass Creek A	12/16/99		<0.20	<0.05	<0.02
Grass Creek B	12/16/99		<0.20	<0.05	<0.02
Little Ottawa River B	12/22/99	5.2	0.46	4.88	0.52

OTTAWA RIVER COALITION

APRIL 2000

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Lead ug/L	Mercury ug/L
Lost Creek A	04/18/00		0.11	0.20	0.17	<2.0	<0.2
Lost Creek B	04/18/00		0.17	5.63	0.43	<2.0	<0.2
Sugar Creek A	04/24/00		<0.10	8.59	0.10	<2.0	<0.2
Sugar Creek B	04/24/00		<0.10	8.58	0.17	2.4	<0.2
Railroad	04/26/00		0.11	5.91	0.10	<2.0	<0.2
Lost Creek A	04/25/00		<0.10	3.96	0.03	<2.0	<0.2
Lost Creek B	04/25/00		<0.10	9.52	0.09	<2.0	<0.2
Plum Creek A	04/27/00		<0.10	9.66	0.18	<2.0	<0.2
Plum Creek B	04/27/00		<0.10	7.96	0.39	<2.0	<0.2
Honey Run A	04/28/00		<0.10	18.8	0.12	<2.0	<0.2
Honey Run B	04/28/00		0.34	8.26	0.23	<2.0	<0.2
Dug Run A	04/28/00		1.08	7.11	0.96	<2.0	<0.2
Pike Run A	04/28/00		0.19	8.08	0.15	<2.0	<0.2
Pike Run B	04/28/00		0.16	7.45	0.19	<2.0	<0.2
North Street B	04/29/00		0.18	7.19	0.16	<2.0	<0.2
Little Ottawa River A	04/29/00		<0.10	4.16	0.20	<2.0	<0.2
Little Ottawa River B	04/29/00		0.16	6.85	0.25	<2.0	<0.2
Mouth of the System	04/29/00		0.19	9.96	0.15	2.5	<0.2

OTTAWA RIVER COALITION

MAY 2000

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Lead ug/L	Mercury ug/L
Lost Creek A	05/03/00		<0.10	1.16	0.02		
Lost Creek B	05/03/00		0.14	5.75	0.03		
Lost Creek A	05/09/00		0.51	0.57	<0.02		
Lost Creek B	05/10/00		0.16	3.04	<0.02		
Lost Creek A	05/15/00		0.30	0.76	<0.02		
Lost Creek B	05/15/00		0.17	2.44	0.02		
North Street B	05/24/00		0.34	4.64	0.82		
Plum Creek A	05/25/00		0.38	10.4	0.16		
Plum Creek B	05/25/00		0.22	7.47	0.24		
Little Hog Creek A	05/25/00		0.12	7.55	0.10		
Little Hog Creek B	05/25/00		0.11	9.92	0.23		
Lost Creek A	05/25/00		0.17	6.00	0.03		
Grass Creek A	05/26/00		<0.10	6.01	0.64		
Grass Creek B	05/26/00		<0.10	9.51	0.10		
Sugar Creek A	05/29/00		0.29	7.53	0.15		
Sugar Creek B	05/29/00		0.14	5.65	0.26		
Dug Run A	05/29/00		0.99	7.00	0.65		
Little Ottawa River A	05/30/00		0.33	3.61	0.28		
Little Ottawa River B	05/30/00		0.80	8.18	0.45		
Railroad	05/30/00		0.40	9.75	0.23		
Pike Run A	05/31/00		0.29	5.63	0.24		
Pike Run B	05/31/00		0.33	9.20	0.40		

OTTAWA RIVER COALITION

JUNE 2000

Location	Collect Date	Total Suspended Solids mg/L	Ammonia-N mg/L	Nitrate/ Nitrite mg/L	Phosphorus, Total mg/L	Lead ug/L	Mercury ug/L	Hardness mg/L
Mouth of the System	06/07/00		0.14	9.79	0.66			
Plum Creek B	06/11/00		0.31	8.45	0.16	<2.0	<0.2	276.
Honey Run B	06/13/00		0.33	8.58	0.33			
Honey Run A	06/13/00		0.18	6.68	0.07			
Dug Run A	06/18/00					3.4	<0.2	356.
Pike Run A	06/22/00					2.6	<0.2	284.
Pike Run B	06/22/00					6.1	<0.2	257.
North Street B	06/24/00		0.17	9.95	0.31	<2.0	<0.2	316.
Dug Run A	06/25/00		0.34	21.5	0.60			
Little Ottawa River A	06/26/00		<0.10	6.69	0.33	<2.0	<0.2	318.
Little Ottawa River B	06/26/00		<0.10	11.2	0.52	4.5	<0.2	306.
Railroad	06/26/00		0.13	11.5	0.43	4.3	<0.2	272.
Grass Creek A	06/27/00		0.51	4.90	0.43	<2.0	<0.2	300.
Grass Creek B	06/27/00		0.18	10.2	0.17	<2.0	<0.2	318.
Plum Creek A	06/27/00		0.33	6.40	0.21	<2.0	<0.2	286.
Lost Creek A	06/28/00		0.61	5.15	0.22	2.0	<0.2	226.
Lost Creek B	06/28/00		0.30	8.92	0.26	2.9	<0.2	242.
Pike Run A	06/30/00		0.12	14.3	0.31			
Pike Run B	06/30/00		0.20	8.88	0.41			

Ecoli Bacteria Monitoring

Summer 199

	7/26/99	8/2/99	8/12/99	8/17/99	8/23/99			
	Ecoli	Ecoli	Ecoli	Ecoli	Ecoli		Exceedence	
	per 100mls	per 100mls	per 100mls	per 100mls	per 100mls		Rate	
	576/100mls is secondary threshold							
Grass A	3,800	1,410	1,500	will not be sampling further			3/3	100%
Grass B	7,000	620	70	3,600	not sampling further		3/4	75%
Lost A	1,600	1,000	880	will not be sampling further			3/3	100%
Lost B	430	600	230	220	130		1/5	20%
Railroad	3,000	760	200	1,200	not sampling further		3/4	75%
Honey A	1,200	740	2,300	will not be sampling further			3/3	100%
Dug	1,500	500	400	1,100	230		2/5	40%
Pike A	5,200	AE	3,400	5,400	not sampling further		3/3	100%
Pike B	2,400	520	180	>20,000	2,500		3/5	60%
Sugar A	1,100	1,200	100	840	not sampling further		3/4	75%
Plum A	6,600	3,200	940	will not be sampling further			3/3	100%
Plum B	1,500	280	220	250	500		1/5	20%
	AE=analytical error/illogical data							
	exceedence							

3745-1-04

(F)(1)(b)Water samples exceed five hundred seventy-six E.coli counts per one hundred milliliters in two or more samples when five or fewer samples are collected...

(G)For the purpose of applying paragraph (F)...

(1)The samples shall be collected when flow is representative of steady state dry weather conditions...

(2)The samples shall be collected at least two hours apart, and

(3)The samples shall be collected over a time period not to exceed thirty days.

Ottawa River Coalition
3900 Campus Drive, Suite A
Lima, OH 45804-3596
(419)223-0040