

# 2000 OHIO RIVER BACTERIA SAMPLING

11/03/00

## Final Report

MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
4.3	PITTSBURGH	02-May-00	10,900		<b>EXCEEDS</b>
4.3	PITTSBURGH	09-May-00	88		
4.3	PITTSBURGH	16-May-00	320		
4.3	PITTSBURGH	23-May-00	2,900	2,200	
4.3	PITTSBURGH	31-May-00	1,245	1,300	
<b>GEOMETRIC MEAN</b>			<b>1,021</b>	<b>1,691</b>	<b>EXCEEDS</b>
4.3	PITTSBURGH	06-Jun-00	4,600	3,300	<b>EXCEEDS</b>
4.3	PITTSBURGH	13-Jun-00	9,700	1,500	<b>EXCEEDS</b>
4.3	PITTSBURGH	20-Jun-00	310	24	
4.3	PITTSBURGH	22-Jun-00	4,100	310	<b>EXCEEDS</b>
4.3	PITTSBURGH	27-Jun-00	460	204	<b>EXCEEDS</b>
<b>GEOMETRIC MEAN</b>			<b>1,920</b>	<b>376</b>	<b>EXCEEDS</b>
4.3	PITTSBURGH	05-Jul-00	2,700	1,100	<b>EXCEEDS</b>
4.3	PITTSBURGH	11-Jul-00	8,100	2,500	<b>EXCEEDS</b>
4.3	PITTSBURGH	13-Jul-00	664	320	<b>EXCEEDS</b>
4.3	PITTSBURGH	18-Jul-00	1,400	800	<b>EXCEEDS</b>
4.3	PITTSBURGH	25-Jul-00	124	54	
<b>GEOMETRIC MEAN</b>			<b>1,203</b>	<b>520</b>	<b>EXCEEDS</b>
4.3	PITTSBURGH	01-Aug-00	4,700	1,800	<b>EXCEEDS</b>
4.3	PITTSBURGH	08-Aug-00	8,900	17,700	<b>EXCEEDS</b>
4.3	PITTSBURGH	15-Aug-00	470	124	<b>EXCEEDS</b>
4.3	PITTSBURGH	22-Aug-00	560	270	<b>EXCEEDS</b>
4.3	PITTSBURGH	29-Aug-00	1,300	410	<b>EXCEEDS</b>
<b>GEOMETRIC MEAN</b>			<b>1,703</b>	<b>848</b>	<b>EXCEEDS</b>
4.3	PITTSBURGH	06-Sep-00	171	80	
4.3	PITTSBURGH	12-Sep-00	2,300	1,291	<b>EXCEEDS</b>
4.3	PITTSBURGH	14-Sep-00	3,100	730	<b>EXCEEDS</b>
4.3	PITTSBURGH	19-Sep-00	108	28	
4.3	PITTSBURGH	26-Sep-00	6,900	3,100	<b>EXCEEDS</b>
<b>GEOMETRIC MEAN</b>			<b>981</b>	<b>366</b>	<b>EXCEEDS</b>
4.3	PITTSBURGH	03-Oct-00	108	72	
4.3	PITTSBURGH	10-Oct-00	782	490	<b>EXCEEDS</b>
4.3	PITTSBURGH	17-Oct-00	124	74	
4.3	PITTSBURGH	24-Oct-00	120	63	
4.3	PITTSBURGH	26-Oct-00	809	520	<b>EXCEEDS</b>
<b>GEOMETRIC MEAN</b>			<b>252</b>	<b>154</b>	<b>EXCEEDS</b>

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
92.8	WHEELING	02-May-00	990	350	EXCEEDS
92.8	WHEELING	08-May-00	28	24	
92.8	WHEELING	16-May-00	48	12	
92.8	WHEELING	23-May-00	5,700	3,000	EXCEEDS
92.8	WHEELING	31-May-00	243	174	
GEOMETRIC MEAN			284	139	EXCEEDS
92.8	WHEELING	06-Jun-00	112	100	
92.8	WHEELING	13-Jun-00	420	250	EXCEEDS
92.8	WHEELING	19-Jun-00	320	246	EXCEEDS
92.8	WHEELING	22-Jun-00	360	755	EXCEEDS
92.8	WHEELING	27-Jun-00	609	291	EXCEEDS
GEOMETRIC MEAN			319	267	EXCEEDS
92.8	WHEELING	05-Jul-00	134	367	EXCEEDS
92.8	WHEELING	11-Jul-00	755	460	EXCEEDS
92.8	WHEELING	13-Jul-00	209	68	
92.8	WHEELING	18-Jul-00	204	77	
92.8	WHEELING	25-Jul-00	257	32	
GEOMETRIC MEAN			256	123	EXCEEDS
92.8	WHEELING	01-Aug-00	176	132	
92.8	WHEELING	08-Aug-00	708	517	EXCEEDS
92.8	WHEELING	15-Aug-00	264	91	
92.8	WHEELING	22-Aug-00	108	63	
92.8	WHEELING	29-Aug-00	320	194	
GEOMETRIC MEAN			258	150	EXCEEDS
92.8	WHEELING	06-Sep-00	152	60	
92.8	WHEELING	12-Sep-00	350	330	EXCEEDS
92.8	WHEELING	14-Sep-00	156	254	EXCEEDS
92.8	WHEELING	19-Sep-00	196	48	
92.8	WHEELING	26-Sep-00	1,300	600	EXCEEDS
GEOMETRIC MEAN			292	171	EXCEEDS
92.8	WHEELING	03-Oct-00	200	104	
92.8	WHEELING	10-Oct-00	1,200	186	EXCEEDS
92.8	WHEELING	17-Oct-00	214	108	
92.8	WHEELING	24-Oct-00	136	84	
92.8	WHEELING	26-Oct-00	350	164	
GEOMETRIC MEAN			300	124	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
314.8	HUNTINGTON	03-May-00	103	23	<b>EXCEEDS</b>
314.8	HUNTINGTON	09-May-00	560	57	
314.8	HUNTINGTON	18-May-00	290	36	
314.8	HUNTINGTON	23-May-00	260	69	
314.8	HUNTINGTON	31-May-00	340	32	
<b>GEOMETRIC MEAN</b>			<b>272</b>	<b>40</b>	<b>EXCEEDS</b>
314.8	HUNTINGTON	12-Jun-00	211	40	<b>EXCEEDS</b>
314.8	HUNTINGTON	19-Jun-00	510	160	
314.8	HUNTINGTON	23-Jun-00	754	400	
314.8	HUNTINGTON	29-Jun-00	203	57	
314.8	HUNTINGTON	30-Jun-00	160	49	
<b>GEOMETRIC MEAN</b>			<b>305</b>	<b>94</b>	<b>EXCEEDS</b>
314.8	HUNTINGTON	10-Jul-00	214	69	<b>EXCEEDS</b>
314.8	HUNTINGTON	13-Jul-00	360	152	
314.8	HUNTINGTON	19-Jul-00	4,700	2,100	
314.8	HUNTINGTON	25-Jul-00	63	11	
314.8	HUNTINGTON	31-Jul-00	171	48	
<b>GEOMETRIC MEAN</b>			<b>330</b>	<b>103</b>	<b>EXCEEDS</b>
314.8	HUNTINGTON	04-Aug-00	550	136	<b>EXCEEDS</b>
314.8	HUNTINGTON	09-Aug-00	343	77	
314.8	HUNTINGTON	15-Aug-00	116	8	
314.8	HUNTINGTON	22-Aug-00	60	8	
314.8	HUNTINGTON	30-Aug-00	154	12	
<b>GEOMETRIC MEAN</b>			<b>182</b>	<b>24</b>	
314.8	HUNTINGTON	08-Sep-00	108	24	
314.8	HUNTINGTON	13-Sep-00	60	16	
314.8	HUNTINGTON	15-Sep-00	100	16	
314.8	HUNTINGTON	19-Sep-00	80	16	
314.8	HUNTINGTON	27-Sep-00	211	64	
<b>GEOMETRIC MEAN</b>			<b>102</b>	<b>23</b>	
314.8	HUNTINGTON	06-Oct-00	44	4	
314.8	HUNTINGTON	12-Oct-00	34	4	
314.8	HUNTINGTON	17-Oct-00	34	8	
314.8	HUNTINGTON	24-Oct-00	32	4	
314.8	HUNTINGTON	26-Oct-00	112	20	
<b>GEOMETRIC MEAN</b>			<b>45</b>	<b>6</b>	

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
477.5	CINCINNATI	02-May-00	36	4	
477.5	CINCINNATI	09-May-00	4	4	
477.5	CINCINNATI	16-May-00	20	16	
477.5	CINCINNATI	23-May-00	164	77	
477.5	CINCINNATI	25-May-00	152	152	
GEOMETRIC MEAN			37	20	
477.5	CINCINNATI	06-Jun-00	136	28	
477.5	CINCINNATI	13-Jun-00	49	14	
477.5	CINCINNATI	20-Jun-00	88	57	
477.5	CINCINNATI	22-Jun-00	88	54	
477.5	CINCINNATI	27-Jun-00	28	4	
GEOMETRIC MEAN			68	22	
477.5	CINCINNATI	05-Jul-00	636	217	EXCEEDS
477.5	CINCINNATI	11-Jul-00	1,418	809	EXCEEDS
477.5	CINCINNATI	13-Jul-00	116	104	
477.5	CINCINNATI	18-Jul-00	57	43	
477.5	CINCINNATI	25-Jul-00	16	4	
GEOMETRIC MEAN			157	79	
477.5	CINCINNATI	01-Aug-00	40	28	
477.5	CINCINNATI	08-Aug-00	66	40	
477.5	CINCINNATI	15-Aug-00	71	16	
477.5	CINCINNATI	22-Aug-00	32	12	
477.5	CINCINNATI	28-Aug-00	80	69	
GEOMETRIC MEAN			54	27	
477.5	CINCINNATI	06-Sep-00	40	32	
477.5	CINCINNATI	12-Sep-00	209	74	
477.5	CINCINNATI	19-Sep-00	32	12	
477.5	CINCINNATI	21-Sep-00	84	48	
477.5	CINCINNATI	26-Sep-00	80	60	
GEOMETRIC MEAN			71	38	
477.5	CINCINNATI	03-Oct-00	24	16	
477.5	CINCINNATI	10-Oct-00	20	4	
477.5	CINCINNATI	17-Oct-00	40	4	
477.5	CINCINNATI	24-Oct-00	8	4	
477.5	CINCINNATI	26-Oct-00	4	4	
GEOMETRIC MEAN			14	5	

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
619.3	LOUISVILLE	02-May-00	12	9	
619.3	LOUISVILLE	09-May-00	34	8	
619.3	LOUISVILLE	16-May-00	4,400	170	EXCEEDS
619.3	LOUISVILLE	23-May-00	7,000	200	EXCEEDS
619.3	LOUISVILLE	30-May-00	100	20	
GEOMETRIC MEAN			263	35	EXCEEDS
619.3	LOUISVILLE	07-Jun-00	230	4	
619.3	LOUISVILLE	13-Jun-00	180	80	
619.3	LOUISVILLE	20-Jun-00	4,500	1,800	EXCEEDS
619.3	LOUISVILLE	22-Jun-00	7,500	1,600	EXCEEDS
619.3	LOUISVILLE	27-Jun-00	13,000	5,800	EXCEEDS
GEOMETRIC MEAN			1,786	351	EXCEEDS
619.3	LOUISVILLE	05-Jul-00	152	128	
619.3	LOUISVILLE	11-Jul-00	140	40	
619.3	LOUISVILLE	18-Jul-00	8,000	4,000	EXCEEDS
619.3	LOUISVILLE	20-Jul-00	7,800	1,600	EXCEEDS
619.3	LOUISVILLE	25-Jul-00	60	32	
GEOMETRIC MEAN			603	254	EXCEEDS
619.3	LOUISVILLE	01-Aug-00	13,000	6,000	EXCEEDS
619.3	LOUISVILLE	08-Aug-00	120	28	
619.3	LOUISVILLE	15-Aug-00	200	154	
619.3	LOUISVILLE	23-Aug-00	9,000	900	EXCEEDS
619.3	LOUISVILLE	29-Aug-00	700	210	EXCEEDS
GEOMETRIC MEAN			1,145	345	EXCEEDS
619.3	LOUISVILLE	06-Sep-00	180	52	
619.3	LOUISVILLE	13-Sep-00	8,500	4,000	EXCEEDS
619.3	LOUISVILLE	14-Sep-00	2,600	540	EXCEEDS
619.3	LOUISVILLE	20-Sep-00	243	92	
619.3	LOUISVILLE	26-Sep-00	15,000	6,600	EXCEEDS
GEOMETRIC MEAN			1,707	584	EXCEEDS
619.3	LOUISVILLE	03-Oct-00	280	148	
619.3	LOUISVILLE	11-Oct-00	3,000	891	EXCEEDS
619.3	LOUISVILLE	17-Oct-00	180	120	
619.3	LOUISVILLE	24-Oct-00	88	36	
619.3	LOUISVILLE	26-Oct-00	2,000	96	EXCEEDS
GEOMETRIC MEAN			484	140	EXCEEDS

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MILEPOINT	STATION	DATE	FECAL COLIFORM	E. COLL.	
797.3	EVANSVILLE	02-May-00	40	57	<b>EXCEEDS</b>
797.3	EVANSVILLE	09-May-00	20	20	
797.3	EVANSVILLE	16-May-00	54	24	
797.3	EVANSVILLE	23-May-00	2,300	480	
797.3	EVANSVILLE	30-May-00	168	120	
<b>GEOMETRIC MEAN</b>			<b>111</b>	<b>69</b>	
797.3	EVANSVILLE	06-Jun-00	71	66	
797.3	EVANSVILLE	13-Jun-00	40	36	
797.3	EVANSVILLE	20-Jun-00	104	43	
797.3	EVANSVILLE	22-Jun-00	63	52	
797.3	EVANSVILLE	27-Jun-00	49	32	
<b>GEOMETRIC MEAN</b>			<b>62</b>	<b>44</b>	
797.3	EVANSVILLE	05-Jul-00	116	96	
797.3	EVANSVILLE	11-Jul-00	24	14	
797.3	EVANSVILLE	13-Jul-00	71	51	
797.3	EVANSVILLE	18-Jul-00	194	144	
797.3	EVANSVILLE	25-Jul-00	168	140	
<b>GEOMETRIC MEAN</b>			<b>92</b>	<b>67</b>	
797.3	EVANSVILLE	01-Aug-00	290	189	
797.3	EVANSVILLE	08-Aug-00	180	128	
797.3	EVANSVILLE	15-Aug-00	217	168	
797.3	EVANSVILLE	22-Aug-00	66	48	
797.3	EVANSVILLE	29-Aug-00	52	8	
<b>GEOMETRIC MEAN</b>			<b>131</b>	<b>69</b>	
797.3	EVANSVILLE	06-Sep-00	63	40	
797.3	EVANSVILLE	12-Sep-00	71	49	
797.3	EVANSVILLE	14-Sep-00	108	76	
797.3	EVANSVILLE	19-Sep-00	4	4	
797.3	EVANSVILLE	26-Sep-00	4	4	
<b>GEOMETRIC MEAN</b>			<b>24</b>	<b>19</b>	
797.3	EVANSVILLE	03-Oct-00	4	4	
797.3	EVANSVILLE	10-Oct-00	4	4	
797.3	EVANSVILLE	17-Oct-00	4	4	
797.3	EVANSVILLE	24-Oct-00	4	4	
797.3	EVANSVILLE	26-Oct-00	4	4	
<b>GEOMETRIC MEAN</b>			<b>4</b>	<b>4</b>	

FECAL- Not to exceed 400 in more than 10% of samples taken during month  
Not to exceed 200 as a monthly geometric mean (at least 5 samples required)

E.COLI- Not to exceed 240 in any single sample  
Not to exceed 130 as a monthly geometric mean (at least 5 samples required)

EXCEEDS - Value Exceeds Commission Criteria