APPENDIX A. Daily Precipitation in Inches at the Customs House (CH), Woodbourne (W) and Ashburton (A) in Baltimore City from September 1, 1974 to September 30, 1975.

Daily Precipitation (inches)

January 1975				February 1975			
	Site				Site		
Day	W	A	CH	Day	W	A	CH
1	0	0	0	1	0	0	0
2	0	0	0	2	0.05	0	0.06
3	0	0	0	3	0	0	0
4	0	0	0.01	4	0.15	0.40	0.41
5	0	0	0	5*	0.50	0.25	0.34
6*	0.45	0	0.44	6	0.05	0	0.05
7	0	0	0	7	0	0	0
8	0.40	0	0.22	8	0	0	0
9	0.15	0	0.38	9	0	0	0
10	0	0	0	10	0	0	0
11*	0.15	0	0.16	11	0	0	0
12	0	0	0	12	0.45	0.40	0.43
13*	0.45	0.50	0.58	13	0	0	0
14	0	0	0	14	0	0	0
15	0	0	0	15	0	0	0
16	0	0	0	16	0	0	0
17	0	0	0	17	0.15	0	0.15
18	0.70	0.50	0.55	18	0	0	0
19	0.20	0.45	0.38	19	0	0	0
20*	0.30	0.10	0.20	20	0	0	0
21	0	0	0	21	0	0	0
22	0	0	0	22	0	0	0
23	0	0	0	23*	0.50	0.20	0.65
24	0.10	0.25	0.02	24	0.40	0	0.36
25	0.35	0	0.42	25	0	0	0
26	0	0	0	26	0	0	0
27	0	0	0	27	0	0	0
28	0	0	0	28	0	0	0
29	0	0	0				
30	0	0	0				
31	0.20	0.15	0.24				
Total	3.45	1.95	3.60		2.25	1.25	2.50

* Storms sampled

APPENDIX A. Daily Precipitation in Inches at the Customs House (CH), Woodbourne (W) and Ashburton (A) in Baltimore City from September 1, 1974 to September 30, 1975.

Daily Precipitation (inches)

March 1975				April 1975			
	Site				Site		
Day	W	A	CH	Day	W	A	CH
1	0	0	0	1	0	0	0
2	0	0	0	2	0	0	0
3	0	0	0	3*	0.10	0.15	0.30
4	0	0	0	4	0	0	0
5	0	0	0	5	0	0	0
6	0	0	0	6	0	0	0
7	0	0	0.05	7	0	0.10	0
8	0	0	0	8	0	0	0
9	0	0	0	9	0	0	0
10	0.10	0	0.09	10	0	0	0
11	0	0	0	11	0	0	0
12*	0.45	0.55	0.43	12	0	0	0
13	0.10	0	0.03	13	0	0	0
14	0.95	0.70	1.10	14	0	0	0
15	0	0	0	15*	0.30	0.35	0.42
16	0.05	0	0.09	16	0	0.05	0
17	0.20	0	0.29	17	0	0	0
18	0	0	0	18	0	0	0.02
19	1.85	1.85	2.34	19	0	0	0.14
20	0	0	0	20	0	0	0
21	0	0	0	21	0	0	0
22	0	0	0	22	0	0	0
23	0	0	0	23	0.05	0	0.05
24	0.55	0.60	0.88	24	0.45	0.75	0.37
25	0	0	0	25	1.05	0.90	1.47
26	0	0	0	26	0	0.05	0
27	0	0	0	27	0	0	0
28	0	0	0	28	0	0.05	0.02
29	0.10	0.10	0.08	29	0.10	0.25	0.25
30	0.40	0.40	0.53	30	0	0	0
31	0	0	0				
Total	4.75	4.20	5.91		2.05	2.65	3.04

* Storms sampled

APPENDIX A. Daily Precipitation in Inches at the Customs House (CH), Woodbourne (W) and Ashburton (A) in Baltimore City from September 1, 1974 to September 30, 1975.

Daily Precipitation (inches)

May 1975				June 1975			
	Site				Site		
Day	W	A	CH	Day	W	A	CH
1*	0.85	0.45	0.71	1	.5**	.5**	0.49
2	0	0	0	2	0**	0**	0
3	0.20	0.10	0.14	3	0**	0**	0
4	1.65	1.55	1.95	4	0**	0**	0
5	0	0	0.02	5	1.1**	1.1**	1.15
6*	0.20	0.30	0.48	6	0**	0**	0.15
7	0	0	0	7	0	0	0
8	0	0	0	8	0	0	0
9	0	0	0	9	0	0	0
10	0	0	0	10	0	0	0
11	0	0	0	11*	0.30	0	0.26
12	0.35	0.65	0.89	12	0.50	0.55	0.39
13	0.20	0.30	0.08	13	0.75	0.30	0.15
14	0	0	0	14	0	0	0
15	0.10	0	0.14	15	0	0	0
16	0.25	0	0.21	16	0	0	0.05
17	0	0	0	17	0	0	0
18	0	0	0	18	0	0	0
19	0	0	0	19	0	0	0
20	0	0	0	20	0	0	0
21	0	0	0	21	0	0	0
22	0	0.40	0.58	22	0	0	0
23	0	0	0	23	0	0	0
24	0	0.30	1.77	24	0	0	0
25	0	0	0	25	0	0	0.04
26	0	0	0	26	0.05	0	0.16
27	0	0	0	27	0	0	0.11
28	0	0	0	28	0.95	0.80	0.55
29	0	0	0	29	0.20	0.10	0.20
30	.1**	0	0.15	30*	0	0	0
31	.8**	0	0.86				
Total	4.70**	4.05	8.08		4.35**	3.35**	3.70

* Storms sampled

** Estimates based on Customs House data

APPENDIX A. Daily Precipitation in Inches at the Customs House (CH), Woodbourne (W) and Ashburton (A) in Baltimore City from September 1, 1974 to September 30, 1975.

Daily Precipitation (inches)

July 1975				August 1975			
	Site				Site		
Day	W	A	CH	Day	W	A	CH
1	0	0	0	1	0	0	0
2	0	0	0	2	0	0	0
3	ND	ND	0.50	3	0	0	0
4	ND	ND	0	4	0.50	0.40	0.73
5	ND	ND	0	5	0.10	0.35	0.07
6	ND	ND	0	6*	0.15	0	0.23
7	ND	ND	0	7	0	0	0
8	ND	ND	0	8	0	0	0
9	ND	ND	0	9	0	0	0
10*	ND	ND	4.66	10	0	0	0
11	ND	ND	0	11	0	0	0
12	ND	ND	0	12	0	0	0
13	ND	ND	3.85	13*	0.60	0.45	0.69
14*	ND	ND	1.66	14	1.05	1.45	1.31
15	ND	ND	0.02	15	0	0	0
16	ND	ND	0	16	0.20	0.25	0.17
17	ND	ND	0	17	0	0.05	0.04
18	ND	ND	0	18	0	0	0
19	0	0	0	19	0	0	0
20	0.70	0.45	0.83	20	0	0	0
21	0	0	0	21	0	0	0
22	0	0	0	22	0	0	0
23	0	0	0	23	0	0	0
24	0.15	0	0.19	24	0	0	0
25	0	0	0	25	0	0	0
26	0	0	0	26	0	0	0
27*	0	0	0	27	0	0	0
28	0	0	0.02	28	0	0	0
29	0	0	0	29	0	0	0
30	0	0	0	30	0	0	0
31	0	0	0	31	0	1.35	0.50
Total	11.0**	11.0**	11.68		2.60	4.30	3.74

* Storms sampled

** Estimates based on Customs House data

ND No Data

APPENDIX A. Daily Precipitation in Inches at the Customs House (CH), Woodbourne (W) and Ashburton (A) in Baltimore City from September 1, 1974 to September 30, 1975.

Daily Precipitation (inches)

September 1975			
	Site		
Day	W	A	CH
1	0.25	0	0.25
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0.7
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0.02
12*	0.65	0.45	0.55
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18*	0.45	0.45	0.68
19	0.05	0.15	0.10
20	0	0	0
21	0	0	0
22	0.60	0	0.67
23	2.30	1.15	2.40
24	1.00	1.55	1.15
25	1.70	1.40	1.55
26	1.15	1.40	1.35
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
Total	8.15	6.55	8.79

* Storms sampled

APPENDIX B. Levels of Bacteria, Station A - Raw Sewage

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
07/17/74	1	$>2.9 \times 10^8$	3.5×10^7	3.5×10^6	7.0×10^3	ND	LSL
07/23/74	2	5.4×10^8	1.7×10^8	ND	ND	ND	LSL
07/30/74	3	2.8×10^8	7.9×10^7	2.4×10^6	7.9×10^4	ND	LSL
08/05/74	4	1.3×10^8	8.0×10^6	5.4×10^5	ND	ND	1.4×10^3
08/12/74	5	3.3×10^7	2.3×10^7	ND	3.5×10^5	ND	ND
09/09/74	7	3.3×10^7	3.3×10^7	5.2×10^6	9.2×10^5	ND	5.6×10^2
09/16/74	8	1.7×10^7	4.9×10^6	9.8×10^5	3.5×10^5	ND	5.3×10^1
09/23/74	9	3.5×10^7	3.5×10^7	1.2×10^7	2.3×10^6	ND	2.6×10^2
09/30/74	10	2.4×10^7	2.4×10^7	4.1×10^6	1.7×10^6	ND	$>2.9 \times 10^3$
10/07/74	11	2.4×10^7	4.9×10^6	1.1×10^6	1.1×10^6	ND	1.2×10^3
10/14/74	12	3.5×10^7	4.6×10^6	1.2×10^6	3.5×10^5	ND	4.8×10^2
10/21/74	14	2.9×10^6	4.9×10^6	8.3×10^5	7.9×10^5	ND	5.1×10^3
10/28/74	15	5.4×10^7	1.1×10^7	4.4×10^5	1.7×10^5	3.6	1.7×10^3
11/04/74	16	2.6×10^6	$>2.6 \times 10^6$	2.0×10^4	3.3×10^3	2.4×10^2	ND
11/11/74	18	3.5×10^7	7.9×10^6	1.1×10^6	9.2×10^6	4.5×10^1	2.8×10^2
11/18/74	20	1.7×10^7	7.9×10^6	1.1×10^6	9.2×10^5	9.4	5.1×10^2
12/02/74	21	2.4×10^6	1.3×10^6	3.4×10^5	1.3×10^5	4.6×10^2	4.8×10^1
12/09/74	22	7.0×10^6	3.3×10^6	9.7×10^5	7.0×10^4	5.8×10^2	1.0×10^2
12/17/74	24	1.6×10^7	4.6×10^5	3.9×10^5	2.2×10^5	2.4×10^3	2.6×10^1
12/24/74	25	1.6×10^8	1.7×10^7	1.1×10^6	3.5×10^5	1.7×10^3	$>2.7 \times 10^3$
01/06/75	26	3.5×10^7	7.9×10^6	9.5×10^5	3.5×10^5	2.0×10^1	$>2.7 \times 10^3$
01/20/75	30	3.5×10^6	3.3×10^5	5.4×10^5	7.0×10^4	3.9×10^2	5.1×10^2
01/27/75	31	$\geq 2.4 \times 10^7$	5.4×10^6	4.5×10^7	3.3×10^5	4.6×10^3	5.1×10^2
02/03/75	32	1.7×10^7	3.3×10^6	1.1×10^6	3.3×10^5	9.3×10^2	1.2×10^3
02/17/75	34	2.8×10^7	3.3×10^6	1.8×10^6	1.4×10^5	2.4×10^3	2.7×10^2
03/03/75	36	1.3×10^7	3.3×10^5	1.4×10^6	1.4×10^5	2.1×10^3	4.9×10^2
03/17/75	38	1.6×10^7	3.3×10^6	2.7×10^6	7.9×10^4	2.4×10^3	4.9×10^2
03/31/75	39	4.6×10^7	1.3×10^7	9.4×10^5	9.2×10^5	2.4×10^3	2.2×10^2
04/14/75	41	1.72×10^8	4.9×10^7	1.7×10^6	$>1.6 \times 10^5$	4.6×10^3	1.7×10^2
04/28/75	43	$>1.6 \times 10^9$	9.2×10^8	1.6×10^6	7.9×10^6	2.9×10^2	4.3×10^2
05/12/75	46	3.5×10^7	3.5×10^7	2.4×10^6	5.4×10^7	4.6×10^3	8.3×10^2
05/19/75	47	5.4×10^7	7.9×10^6	3.0×10^6	5.0×10^3	2.4×10^3	2.2×10^2
06/10/75	48	2.2×10^6	1.7×10^6	3.1×10^6	1.4×10^5	1.5×10^2	2.7×10^4
06/24/75	50	1.3×10^6	3.3×10^5	3.8×10^5	2.3×10^3	6.1×10^1	5.1×10^3
07/07/75	52	9.2×10^7	4.9×10^6	3.3×10^6	2.3×10^4	4.5×10^1	6.1×10^2
07/21/75	55	3.4×10^6	4.9×10^6	9.9×10^5	3.5×10^5	2.6×10^2	1.2×10^4
08/04/75	57	4.9×10^7	1.1×10^7	8.0×10^5	7.8×10^4	7.8×10^1	1.2×10^4
08/18/75	60	9.2×10^7	1.4×10^7	1.3×10^6	1.7×10^4	LSL	2.7×10^4
09/02/75	61	5.4×10^7	1.3×10^7	1.4×10^6	2.7×10^4	3.3×10^2	2.7×10^3
09/16/75	63	5.4×10^7	3.5×10^7	9.5×10^5	2.8×10^5	LSL	2.7×10^3
Geom. Mean		2.2×10^7	6.3×10^6	1.4×10^6	2.3×10^5	2.6×10^2	5.0×10^2

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station B - Herring Run

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
07/17/74	1	1.1×10^4	2.3×10^3	2.2×10^3	ND	ND	LSL
07/23/74	2	3.3×10^3	1.7×10^3	2.2×10^3	ND	ND	LSL
07/30/74	3	5.4×10^4	2.4×10^4	1.7×10^4	2.2×10^3	ND	LSL
08/05/74	4	3.3×10^4	7.9×10^3	7.9×10^3	ND	ND	LSL
08/12/74	5	2.3×10^2	1.3×10^2	8.0×10^2	3.4×10^3	ND	ND
09/09/74	7	9.2×10^3	2.2×10^3	1.3×10^3	1.7×10^2	ND	2.0
09/16/74	8	2.8×10^3	ND	8.0×10^2	1.7×10^3	ND	ND
09/23/74	9	3.5×10^5	3.5×10^5	1.6×10^4	1.6×10^5	ND	ND
09/30/74	10	1.3×10^3	7.9×10^2	1.0×10^3	2.2×10^3	ND	ND
10/07/74	11	5.4×10^3	1.3×10^3	4.5×10^2	2.4×10^3	ND	4.1
10/14/74	12	5.0×10^1	LSL	7.5×10^2	5.4×10^4	ND	1.2
10/21/74	14	5.4×10^2	5.4×10^2	4.5×10^2	3.3×10^1	ND	2.7×10^1
10/28/74	15	1.6×10^3	5.4×10^2	3.0×10^2	1.7×10^2	LSL	4.4
11/04/74	16	3.5×10^2	1.1×10^2	1.9×10^2	5.4×10^4	LSL	6.7
11/11/74	18	1.7×10^4	1.4×10^3	2.0×10^2	4.9×10^2	LSL	6.7
11/18/74	20	9.2×10^2	5.4×10^2	5.3×10^2	5.4×10^3	6.8×10^1	1.3×10^1
12/02/74	21	2.4×10^5	2.4×10^5	4.0×10^4	1.3×10^3	2.0	1.3×10^2
12/09/74	22	$\geq 2.4 \times 10^5$	ND	2.4×10^3	9.4×10^1	ND	2.6
12/17/74	24	2.4×10^4	1.3×10^4	3.8×10^3	1.4×10^2	4.0	6.7
12/24/74	25	1.4×10^4	1.4×10^4	1.9×10^3	7.0×10^1	1.3	LSL
01/06/75	26	3.5×10^3	7.9×10^2	5.6×10^2	4.6×10^1		2.6
01/20/75	30	1.7×10^3	2.1×10^2	1.3×10^4	2.3×10^2	3.6	4.38×10^1
01/27/75	31	2.4×10^3	1.3×10^3	3.9×10^3	1.1×10^2	7.3	1.17
02/03/75	32	2.2×10^3	2.2×10^3	2.3×10^3	1.7×10^2	3.6	2.63
02/17/75	34	3.5×10^3	3.5×10^3	1.1×10^4	3.4×10^1	3.6	7.01×10^1
03/03/75	36	3.3×10^3	2.4×10^3	2.8×10^3	4.9×10^1	LSL	2.04
03/17/75	38	1.4×10^4	3.3×10^3	2.0×10^4	4.9×10^1	3.6	6.72
03/31/75	39	1.09×10^4	7.9×10^3	4.1×10^2	2.78×10^2	LSL	1.12
04/14/75	41	1.09×10^4	7.0×10^3	4.2×10^2	2.78×10^3	LSL	LSL
04/28/75	43	1.1×10^3	4.9×10^2	3.1×10^2	5.2×10^2	LSL	1.3×10^1
05/12/75	46	1.3×10^3	7.9×10^2	2.3×10^2	3.3×10^1	LSL	LSL
05/19/75	47	1.7×10^3	1.7×10^3	3.9×10^2	3.3×10^1	LSL	LSL
06/10/75	48	1.7×10^4	1.3×10^3	8.0×10^3	7.9×10^2	3.6×10^1	4.4×10^1
06/24/75	50	2.4×10^3	1.3×10^3	2.1×10^3	1.1×10^1	LSL	1.3×10^1
07/07/75	52	5.4×10^3	1.3×10^3	2.7×10^3	4	2.0	1.2
07/21/75	55	1.6×10^3	2.8×10^2	1.4×10^4	1.7×10^3	7.4	5.8
08/04/75	57	3.3×10^3	2.0×10^2	2.4×10^2	ND	LSL	LSL
08/18/75	60	9.2×10^3	1.4×10^3	3.5×10^3	1.7×10^2	1.1×10^1	1.2
09/02/75	61	1.1×10^4	3.3×10^3	2.5×10^3	1.7×10^3	4.8	1.1×10^1
09/16/75	63	5.4×10^3	7.9×10^2	2.7×10^3	4.0×10^1	2.0	2.63
Geom. Mean		4.8×10^3	1.1×10^3	1.5×10^3	2.9×10^2	3.2	4.6

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station C - Jones Falls

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
07/17/74	1	7.9×10^4	4.9×10^4	1.1×10^4	9.2×10^2	ND	LSL
07/23/74	2	1.1×10^4	1.1×10^4	1.7×10^4	2.4×10^2	ND	LSL
07/30/74	3	3.3×10^5	1.7×10^5	4.6×10^4	5.4×10^3	ND	LSL
08/05/74	4	1.3×10^5	4.9×10^4	9.2×10^4	ND	ND	2.0
08/12/74	5	1.7×10^5	1.3×10^5	4.9×10^3	2.3×10^4	ND	ND
09/09/74	7	3.3×10^5	2.3×10^5	2.3×10^4	5.4×10^3	ND	ND
09/16/74	8	7.9×10^4	4.9×10^4	1.5×10^4	2.3×10^4	ND	ND
09/23/74	9	2.3×10^5	2.3×10^5	3.2×10^4	2.4×10^4	ND	ND
09/30/74	10	1.6×10^5	1.6×10^5	5.3×10^4	3.5×10^5	ND	ND
10/07/74	11	1.4×10^5	9.4×10^4	1.3×10^4	9.2×10^3	ND	2.6
10/14/74	12	9.2×10^4	1.4×10^4	1.4×10^4	1.7×10^3	ND	2.0
10/21/74	14	9.2×10^4	3.5×10^4	5.9×10^4	9.2×10^2	ND	1.2
10/28/74	15	1.7×10^5	1.7×10^5	2.3×10^4	1.1×10^3	2.0	1.2
11/04/74	16	1.7×10^5	9.2×10^4	3.2×10^4	9.2×10^3	4.6×10^1	1.2
11/11/74	18	3.3×10^4	3.5×10^4	3.6×10^4	9.4×10^3	1.8×10^2	1.3×10^1
11/18/74	20	4.6×10^4	2.1×10^4	2.6×10^3	1.4×10^4	1.1×10^1	4.4×10^1
12/02/74	21	2.4×10^4	2.4×10^4	7.6×10^4	2.7×10^3	2.0	1.3×10^2
12/09/74	22	1.6×10^5	2.4×10^4	2.6×10^4	1.7×10^3	LSL	7.0×10^1
12/17/74	24	9.2×10^4	3.5×10^4	4.2×10^4	1.7×10^3	1.7×10^1	2.7×10^1
12/24/74	25	1.7×10^5	3.5×10^4	7.1×10^3	$>2.4 \times 10^4$	1.2×10^1	8.2
01/06/75	26	1.3×10^5	4.9×10^4	4.0×10^3	3.5×10^3	2.0	2.0
01/20/75	30	3.3×10^4	7.9×10^3	1.1×10^4	1.1×10^3	4.3×10^1	4.38×10^1
01/27/75	31	3.5×10^4	3.5×10^4	2.4×10^3	1.1×10^3	7.3	2.63
02/03/75	32	5.4×10^4	3.5×10^4	3.3×10^3	7.9×10^2	4.3×10^1	7.88
02/17/75	34	3.5×10^4	3.5×10^4	3.1×10^4	5.4×10^2	2.3×10^1	2.72×10^1
03/03/75	36	1.3×10^4	7.9×10^3	4.2×10^3	4.9×10^2	9.1	6.72
03/17/75	38	5.4×10^4	1.3×10^4	7.3×10^4	1.3×10^2	9.1	3.21×10^2
03/31/75	39	3.4×10^5	2.4×10^5	3.3×10^4	5.42×10^3	3.6	2.04
04/14/75	41	1.3×10^5	4.9×10^4	4.6×10^3	1.72×10^4	9.1	1.17
04/28/75	43	7.9×10^4	7.9×10^4	3.5×10^4	1.6×10^4	4.3×10^1	3.2×10^2
05/12/75	46	1.1×10^4	4.9×10^3	6.1×10^3	2.2×10^2	4.3×10^1	2.2×10^1
05/19/75	47	3.5×10^4	2.4×10^4	4.7×10^3	1.1×10^2	3.6	4.4×10^1
06/10/75	48	1.7×10^5	4.9×10^4	1.8×10^4	1.3×10^3	9.3×10^1	1.1×10^1
06/24/75	50	3.3×10^4	2.3×10^4	8.5×10^3	2.2×10^1	4.0	.88
07/07/75	52	1.7×10^5	1.3×10^5	5.1×10^4	8.4×10^1	2.0	3.2×10^2
07/21/75	55	2.2×10^4	1.4×10^4	1.3×10^4	2.0×10^2	1.1×10^2	4.4
08/04/75	57	1.7×10^5	2.2×10^4	2.0×10^3	7.9×10^2	4.0	1.2
08/18/75	60	5.4×10^4	7.9×10^3	6.7×10^3	2.4×10^3	LSL	.88
09/02/75	61	ND	ND	7.3×10^3	9.2×10^2	2.0	6.13
09/16/75	63	9.2×10^4	4.7×10^3	4.9×10^3	9.2×10^2	1.8	7.0×10^1
Geom. Mean		4.0×10^4	1.5×10^4	1.5×10^4	2.1×10^3	9.5	9.1

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station D - Gwynns Falls

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
07/17/74	1	2.2×10^4	2.7×10^3	ND	2.2×10^2	ND	LSL
07/23/74	2	7.9×10^3	5.0×10^2	2.0×10^2	2.8×10^2	ND	LSL
07/30/74	3	3.5×10^5	1.1×10^5	3.5×10^4	2.8×10^3	ND	LSL
08/05/74	4	3.3×10^4	1.1×10^4	1.3×10^3	ND	ND	6.1
08/12/74	5	2.2×10^3	8.0×10^2	4.6×10^2	1.6×10^5	ND	ND
09/09/74	7	1.7×10^4	7.0×10^3	1.7×10^3	1.1×10^3	ND	4.1
09/16/74	8	5.4×10^5	4.9×10^5	2.3×10^4	1.7×10^5	ND	ND
09/23/74	9	1.3×10^4	1.3×10^4	5.5×10^3	2.8×10^4	ND	ND
09/30/74	10	2.4×10^5	1.6×10^4	8.5×10^3	7.0×10^4	ND	ND
10/07/74	11	3.5×10^4	1.7×10^4	3.8×10^3	1.6×10^4	ND	1.3×10^2
10/14/74	12	1.3×10^4	5.0×10^2	3.0×10^2	9.4×10^2	ND	1.3×10^1
10/21/74	14	9.2×10^4	4.6×10^3	1.7×10^3	7.0×10^2	ND	6.1
10/28/74	15	3.4×10^2	8.0×10^1	LSL	7.0×10^1	3.6×10^1	6.7
11/04/74	16	4.6×10^2	2.3×10^2	1.2×10^2	1.3×10^2	3.6×10^1	4.4
11/11/74	18	2.2×10^3	4.9×10^2	2.1×10^2	8.0×10^1	ND	1.3×10^1
11/18/74	20	1.7×10^4	3.3×10^2	1.2×10^2	4.6×10^2	1.7	2.2×10^1
12/02/74	21	3.3×10^4	1.3×10^4	$>1.0 \times 10^5$	1.1×10^4	2.6×10^1	7.0×10^1
12/09/74	22	3.5×10^4	3.3×10^3	2.4×10^4	1.1×10^3	4.0	7.0×10^1
12/17/74	23	3.5×10^5	1.3×10^4	1.0×10^5	7.9×10^2	6.8	2.7×10^1
12/24/74	25	1.1×10^4	1.3×10^3	6.0×10^2	2.1×10^2	1.4×10^1	2.7×10^1
01/06/75	26	7.0×10^2	7.0×10^2	5.1×10^3	3.3×10^2	LSL	27.2
01/20/75	30	7.0×10^5	1.1×10^3	4.5×10^4	4.6×10^2	LSL	4.38×10^1
01/27/75	31	2.1×10^4	3.3×10^3	7.0×10^2	2.2×10^1	LSL	2.19×10^1
02/03/75	32	1.3×10^3	7.9×10^2	LSL	1.1×10^2	9.1	2.04
02/17/75	34	7.0×10^3	3.3×10^3	2.2×10^3	2.2×10^2	LSL	1.34×10^2
03/03/75	36	4.9×10^3	7.0×10^2	2.4×10^3	4.9×10^2	LSL	6.72
03/17/75	38	2.4×10^4	5.4×10^3	1.9×10^4	9.4×10^1	7.3	2.72×10^1
03/31/75	39	$\geq 2.4 \times 10^6$	$\geq 2.4 \times 10^6$	3.4×10^4	2.21×10^3	9.3×10^1	1.26×10^1
04/14/75	41	3.3×10^3	1.3×10^3	5.5×10^2	2.21×10^3	LSL	6.7
04/28/75	43	3.3×10^4	4.0×10^3	6.0×10^2	2.8×10^3	3.0	2.7×10^1
05/12/75	46	1.1×10^4	1.1×10^3	3.0×10^2	7.9×10^1	7.3	8.2
05/19/75	47	3.5×10^3	4.9×10^2	1.0×10^2	1.7×10^1	LSL	5.8
06/10/75	48	1.7×10^4	3.3×10^3	3.6×10^3	2.2×10^2	2.1×10^1	6.1×10^1
06/24/75	50	5.4×10^3	7.0×10^2	2.1×10^3	1.09×10^2	6.8	1.2×10^2
07/07/75	52	1.6×10^4	4.9×10^2	6.7×10^2	1.41×10^2	LSL	2.7×10^1
07/21/75	55	1.3×10^4	3.3×10^3	2.8×10^4	3.5×10^3	4.0	2.0
08/04/75	57	3.3×10^3	7.0×10^2	4.5×10^1	ND	4.0	2.0
08/18/75	60	3.5×10^4	1.3×10^3	8.3×10^2	1.7×10^2	LSL	4.4
09/02/75	61	ND	ND	ND	ND	ND	ND
09/16/75	63	3.5×10^4	1.1×10^4	3.3×10^3	2.3×10^2	LSL	2.7×10^1
Geom. Mean		4.0×10^4	5.9×10^3	1.7×10^3	4.7×10^2	4.5	1.5×10^1

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station E - Loch Raven Reservoir

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
03/17/75	38	LSL	LSL	LSL		LSL	LSL
03/31/75	39	LSL	LSL	5.0	2.3×10^1	LSL	LSL
04/14/75	41	LSL	LSL	LSL	LSL	LSL	LSL
04/28/75	43	1.7×10^1	1.7×10^1	2.0×10^2	2.0	LSL	0.88
05/12/75	46	5.0	5.0	2.0×10^1	LSL	LSL	LSL
05/19/75	47	2.0	LSL	LSL	LSL	LSL	LSL
06/10/75	48	4.0×10^2	7.0×10^1	5.0	0	LSL	LSL
06/24/75	50	1.7×10^2	8.0×10^1	4.0×10^1	0	LSL	LSL
07/07/75	52	4.9×10^1	2.3×10^1	<5.0	2.3×10^1	LSL	LSL
07/21/75	55	3.4×10^2	1.7×10^2	ND	4.5	LSL	LSL
08/04/75	57	4.5	2.0	<5.0	ND	LSL	LSL
08/18/75	60	ND	ND	ND	ND	ND	ND
09/02/75	61	3.3×10^1	1.3×10^1	<5.0	2.0	LSL	LSL
09/16/75	63	7.9×10^1	4.9×10^1	ND	4.5	LSL	LSL
Geom. Mean		2.6×10^1	1.5×10^1	1.0×10^1	3.1	<2.5	0

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station F - Stoney Run

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
10/16/74	13	3.5×10^5	4.9×10^4	5.3×10^4	2.4×10^5	ND	6.1×10^2
11/05/74	17	$>2.4 \times 10^5$	1.7×10^4	9.8×10^4	3.3×10^2	2.0	2.9
11/12/74	19	1.3×10^4	4.9×10^3	8.4×10^3	2.3×10^2	4.9×10^1	5.0
12/16/74	23	5.4×10^3	1.7×10^3	2.4×10^5	1.1×10^3	2.7×10^1	5.17×10^1
01/06/75	27	1.1×10^4	1.7×10^4	1.1×10^5	5.4×10^2	2.3×10^1	6.12×10^2
01/11/75	28	1.7×10^4	3.3×10^3	1.9×10^5	1.7×10^3	4.3×10^1	2.56×10^2
01/13/75	29	3.5×10^4	2.4×10^4	3.1×10^4	1.8×10^3	4.3×10^1	$>1.33 \times 10^3$
01/20/75	30	7.0×10^3	3.1×10^3	2.5×10^4	$>2.4 \times 10^3$	2.3×10^1	2.56×10^2
02/05/75	33	2.6×10^4	1.7×10^4	1.7×10^4	1.8×10^4	2.8×10^1	1.33×10^2
02/12/75	35	4.9×10^3	3.3×10^3	8.0×10^3	2.2×10^2	9.0	3.89
03/12/75	37	3.3×10^4	1.4×10^3	2.4×10^4	1.4×10^3	7.3	3.89
04/03/75	40	7.9×10^3	7.9×10^3	2.3×10^4	1.41×10^3	2.0×10^1	2.11×10^1
04/15/75	42	2.4×10^4	1.3×10^4	5.6×10^4	4.0×10^2	LSL	$>1.3 \times 10^3$
05/01/75	44	3.3×10^4	1.7×10^4	6.5×10^4	1.7×10^3	2.3×10^1	2.7×10^2
05/06/75	45	5.4×10^3	3.3×10^3	8.0×10^4	4.8×10^2	2.3×10^1	2.6×10^2
06/11/75	49	3.5×10^3	1.3×10^3	3.1×10^4	7.0×10^2	1.8	3.5
06/30/75	51	1.6×10^6	5.4×10^5	ND	4.9×10^3	2.2×10^1	6.1×10^2
07/10/75	53	1.3×10^5	7.9×10^4	3.0×10^5	1.48×10^2	4.5	4.2×10^1
07/14/75	54	1.7×10^5	1.7×10^5	1.9×10^5	2.3×10^3	2.2×10^1	6.7×10^1
07/27/75	56	4.9×10^4	4.9×10^4	4.2×10^5	1.7×10^3	1.7×10^1	2.2
08/06/75	58	7.0×10^3	2.3×10^3	LSL	1.3×10^3	LSL	1.2×10^1
08/13/75	59	9.2×10^4	1.7×10^4	1.7×10^5	3.2×10^2	LSL	6.1
09/12/75	62	7.9×10^5	1.1×10^5	1.2×10^5	4.9×10^3	1.0×10^1	2.5×10^1
09/18/75	64	5.6×10^4	5.4×10^5	3.7×10^5	1.7×10^3	LSL	1.67
Geom. Mean		4.8×10^4	1.9×10^4	4.1×10^4	1.3×10^3	1.2×10^1	3.0×10^1

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station G - Glen Avenue

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
10/16/74	13	2.4×10^5	4.9×10^4	1.6×10^6	2.6×10^5	ND	6.2×10^2
11/05/74	17	2.4×10^5	5.4×10^4	9.2×10^4	1.4×10^4	ND	$>1.1 \times 10^4$
11/12/74	19	1.7×10^5	1.7×10^5	5.2×10^5	7.0×10^3	1.3×10^1	2.6×10^3
12/16/74	23	1.3×10^4	7.9×10^3	4.3×10^5	7.9×10^2	7.9×10^1	1.33×10^2
01/06/75	27	2.4×10^5	4.9×10^4	8.4×10^4	2.4×10^4	7.8	2.45×10^1
01/11/75	28	2.8×10^5	4.0×10^4	2.4×10^5	1.7×10^3	1.5×10^2	7.78
01/13/75	29	3.5×10^4	2.4×10^4	1.7×10^5	1.4×10^3	1.3×10^2	1.28×10^1
01/20/75	30	7.9×10^3	1.4×10^3	3.8×10^4	1.3×10^2	1.2×10^2	1.28×10^1
02/05/75	33	5.4×10^4	3.3×10^3	3.4×10^4	ND	9.3×10^1	2.39×10^1
02/23/75	35	7.9×10^4	7.9×10^4	8.3×10^5	1.1×10^3	1.1×10^3	6.12×10^2
03/12/75	37	3.3×10^4	1.7×10^4	2.3×10^5	3.4×10^2	LSL	2.39×10^1
04/03/75	40	1.3×10^5	3.3×10^4	1.2×10^6	2.78×10^3	3.6	LSL
04/15/75	42	2.4×10^5	1.3×10^5	9.2×10^5	9.2×10^3	LSL	7.8
05/01/75	44	1.3×10^5	2.2×10^4	6.8×10^5	1.7×10^3	LSL	2.6×10^1
05/06/75	45	1.4×10^5	2.3×10^5	2.8×10^6	3.5×10^3	LSL	1.7×10^1
06/10/75	49	4.6×10^4	1.7×10^4	3.7×10^5	3.5×10^2	5.6	1.1×10^1
06/30/75	51	1.6×10^6	1.7×10^5	ND	7.9×10^3	2.6×10^1	1.2×10^1
07/10/75	53	ND	ND	ND	ND	ND	ND
07/14/75	54	7.9×10^5	2.3×10^5	9.8×10^5	3.3×10^3	1.1×10^1	5.0
07/27/75	56	9.4×10^5	2.3×10^5	5.2×10^6	1.6×10^4	6.1	5.0
08/06/75	58	$>1.6 \times 10^5$	5.4×10^4	7.3×10^5	3.5×10^3	ND	2.1×10^1
08/13/75	59	1.4×10^6	2.2×10^5	4.6×10^6	5.6×10^3	LSL	1.1×10^1
09/12/75	62	$>1.6 \times 10^6$	1.6×10^6	4.8×10^6	2.1×10^4	9.3	5.2×10^1
09/18/75	64	1.7×10^6	4.9×10^5	9.3×10^5	1.4×10^3	LSL	LSL
Geom. Mean		2.4×10^5	8.1×10^4	6.6×10^5	3.3×10^3	1.4×10^1	2.4×10^1

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station H - Howard Park

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
10/16/74	13	1.7×10^5	4.9×10^4	1.5×10^5	5.4×10^5	ND	6.2×10^2
11/05/74	17	3.5×10^6	7.0×10^4	3.2×10^5	1.7×10^4	9.2×10^2	1.4×10^3
11/12/74	19	4.9×10^3	2.3×10^3	1.0×10^3	1.7×10^4	1.7×10^1	3.5×10^1
12/16/74	23	3.5×10^6	1.1×10^6	7.2×10^5	7.0×10^3	1.3×10^2	1.50×10^1
01/06/75	27	3.5×10^6	7.9×10^5	1.4×10^5	1.8×10^3	3.5×10^2	1.33×10^1
01/11/75	28	5.4×10^5	4.9×10^4	1.7×10^5	1.1×10^4	4.6×10^2	3.89
01/13/75	29	2.4×10^6	2.4×10^6	3.5×10^5	2.8×10^4	1.5×10^2	$>1.33 \times 10^3$
01/20/75	30	7.9×10^6	2.3×10^5	3.7×10^5	2.4×10^4	1.6×10^1	6.12×10^2
02/05/75	33	ND	ND	3.0×10^3	1.8×10^3	9.1	6.12×10^2
02/23/75	35	1.7×10^6	7.9×10^5	8.7×10^5	1.3×10^4	2.1×10^2	1.72×10^1
03/12/75	37	7.9×10^5	2.2×10^5	2.4×10^5	4.6×10^3	4.6×10^2	2.56×10^2
04/03/75	40	2.8×10^7	2.9×10^6	1.4×10^6	$>1.6 \times 10^4$	9.3	$\geq 1.334 \times 10^3$
04/15/75	42	2.4×10^6	2.4×10^6	7.0×10^5	4.0×10^3	1.1×10^1	1.2×10^3
05/01/75	44	5.4×10^5	2.4×10^5	5.1×10^5	2.4×10^3	9.3×10^1	2.7×10^2
05/06/75	45	2.2×10^6	4.0×10^4	8.1×10^5	3.5×10^3	4.6×10^2	1.2×10^3
06/11/75	49	ND	ND	ND	ND	ND	ND
06/30/76	51	3.5×10^6	2.4×10^6	ND	1.41×10^4	8.2	1.3×10^3
07/10/75	53	7.9×10^6	8.0×10^5	6.7×10^5	1.41×10^2	LSL	1.1×10^1
07/14/75	54	3.3×10^5	2.3×10^5	1.7×10^5	3.5×10^2	2.2×10^1	1.3×10^2
07/27/75	56	2.8×10^6	1.7×10^6	1.2×10^6	8.0×10^1	1.7×10^1	1.3×10^3
08/06/75	58	3.5×10^5	4.1×10^4	4.9×10^5	1.7×10^3	1.8	8.3×10^1
08/13/75	59	7.0×10^6	1.3×10^6	1.7×10^5	3.7×10^3	1.8	1.3×10^3
09/12/75	62	3.5×10^6	7.0×10^5	7.1×10^5	9.2×10^4	1.3×10^1	6.1×10^2
09/18/75	64	5.6×10^4	3.5×10^5	6.3×10^4	3.1×10^3	5.5	5.0
Geom. Mean		1.2×10^6	4.5×10^5	2.4×10^5	5.2×10^3	3.6×10^1	1.4×10^2

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station K - Jones Falls Storm Drain

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
10/16/74	13	$\geq 1.6 \times 10^6$	$\geq 1.6 \times 10^6$	2.7×10^5	7.0×10^4	ND	3.3
11/05/74	17	$\geq 2.4 \times 10^6$	1.3×10^4	4.6×10^5	1.7×10^3	2.7×10^2	9.4×10^1
11/12/74	19	5.4×10^6	3.5×10^6	8.0×10^5	1.6×10^5	1.6×10^3	1.3×10^2
12/16/74	23	1.7×10^5	4.9×10^4	3.4×10^5	3.3×10^3	1.7×10^2	5.00
01/06/75	27	3.3×10^4	3.3×10^4	1.6×10^5	9.4×10^2	7.0×10^1	6.12
01/11/75	28	1.6×10^6	1.1×10^5	7.9×10^5	5.4×10^3	1.5×10^1	2.39×10^1
01/13/75	29	9.2×10^4	9.2×10^4	2.5×10^5	1.1×10^4	1.4×10^1	1.33×10^2
01/20/75	30	3.3×10^5	1.7×10^5	6.9×10^4	9.2×10^3	1.5×10^2	1.33×10^3
02/05/75	33	1.7×10^5	5.0×10^3	1.4×10^5	1.6×10^6	4.6×10^2	1.67
02/23/75	35	1.7×10^6	7.0×10^5	7.5×10^5	5.4×10^3	2.4×10^2	LSL
03/12/75	37	1.4×10^5	9.4×10^4	1.3×10^5	1.1×10^3	9.3×10^1	2.22
04/03/75	40	1.3×10^6	4.9×10^5	2.4×10^5	4.6×10^3	4.6×10^2	1.17×10^1
04/15/75	42	1.3×10^6	1.3×10^6	1.8×10^5	1.4×10^3	1.6×10^1	2.6×10^1
05/01/75	44	1.1×10^6	1.3×10^5	3.4×10^5	2.4×10^3	1.5×10^2	4.1×10^1
05/06/75	45	7.9×10^4	3.3×10^4	2.5×10^5	9.2×10^3	9.3×10^1	1.0×10^2
06/11/75	49	7.9×10^4	3.5×10^4	5.5×10^5	2.8×10^3	3.7	ND
06/30/75	51	1.6×10^6	3.5×10^5	ND	1.09×10^4	2.1×10^1	1.3×10^3
07/10/75	53	3.3×10^5	3.3×10^5	3.7×10^5	2.6×10^3	6.8	6.1×10^2
07/14/75	54	1.3×10^6	4.9×10^5	8.3×10^5	3.1×10^3	3.4×10^1	2.1×10^1
07/27/75	56	1.1×10^5	4.9×10^4	7.2×10^4	1.8×10^3	1.0×10^1	3.9
08/06/75	58	9.2×10^4	2.4×10^4	5.5×10^5	3.3×10^3	1.8	1.7
08/13/75	59	2.2×10^5	4.9×10^4	4.7×10^4	6.4×10^3	1.8	1.3×10^2
09/12/75	62	9.2×10^5	5.4×10^5	2.9×10^5	1.1×10^4	1.1×10^1	6.1×10^2
09/18/75	64	ND	ND	7.6×10^5	2.1×10^4	1.8	1.7×10^1
Geom. Mean		2.9×10^5	1.2×10^5	2.8×10^5	6.6×10^3	4.0×10^1	2.5×10^1

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station L - Bush Street

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
10/16/74	13	2.4×10^5	4.9×10^4	3.8×10^5	7.5×10^4	ND	1.8×10^1
11/05/74	17	3.5×10^4	1.7×10^3	5.0×10^3	1.1×10^2	7.9×10^1	6.7
11/12/74	19	5.4×10^4	7.9×10^3	4.3×10^3	1.7×10^3	7.0×10^1	8.3
12/16/74	23	1.1×10^5	7.0×10^4	1.2×10^6	2.3×10^3	2.3×10^1	8.34
01/06/74	27	1.1×10^5	4.9×10^4	6.5×10^5	4.9×10^2	9.3	1.56×10^1
01/11/75	28	9.2×10^5	1.1×10^4	1.4×10^5	2.2×10^3	7.3	3.89
01/13/75	29	1.1×10^6	2.6×10^5	3.5×10^5	1.3×10^4	4.3×10^1	1.33×10^2
01/20/75	30	$\geq 2.4 \times 10^6$	$\geq 2.4 \times 10^6$	7.6×10^5	3.3×10^2	4.6×10^2	1.50×10^1
02/05/75	33	5.4×10^6	1.7×10^4	2.4×10^5	ND	4.3×10^2	5.00
02/23/75	35	7.9×10^3	7.9×10^3	2.5×10^3	1.7×10^2	LSL	LSL
03/12/75	37	5.4×10^5	5.4×10^4	9.4×10^5	1.3×10^3	9.3×10^1	2.56×10^2
04/03/75	40	9.4×10^5	7.0×10^5	1.2×10^6	9.2×10^3	LSL	2.06×10^1
04/15/75	42	2.21×10^5	1.41×10^5	3.6×10^5	1.10×10^4	1.5×10^1	5.1×10^2
05/01/75	44	3.3×10^5	8.0×10^4	8.5×10^5	5.4×10^2	3.6	5.1×10^2
05/06/75	45	3.5×10^5	2.3×10^4	1.9×10^6	3.5×10^3	2.4×10^2	5.1×10^2
06/10/75	49	7.9×10^4	9.4×10^3	5.3×10^5	3.5×10^3	2.9×10^1	8.3
06/30/75	51	2.4×10^6	1.6×10^6	ND	2.21×10^4	4.0	1.3×10^3
07/10/75	53	7.9×10^5	4.9×10^5	8.4×10^5	3.45×10^3	ND	3.9
07/14/75	54	1.1×10^6	3.1×10^5	5.2×10^5	3.8×10^1	9.2	5.0
07/27/75	56	3.5×10^5	7.0×10^4	3.8×10^6	2.2×10^3	5.5	LSL
08/06/75	58	1.6×10^5	1.4×10^4	4.1×10^5	4.9×10^3	1.8	1.8×10^1
08/13/75	59	$>1.6 \times 10^6$	1.7×10^5	7.2×10^5	4.5×10^3	LSL	1.3×10^3
09/12/75	62	5.4×10^5	3.5×10^5	1.1×10^6	2.2×10^4	1.4×10^1	1.3×10^3
09/18/75	64	1.7×10^6	3.3×10^5	1.4×10^6	7.8×10^2	LSL	1.2×10^2
Geom. Mean		3.8×10^5	8.3×10^4	5.6×10^5	2.0×10^3	1.2×10^2	3.0×10^1

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX B. Levels of Bacteria, Station M - Northwood

Date	Run Number	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Fecal Streptococci no./100ml	*Pseudomonas aeruginosa* MPN/100ml	*Staph. aureus* MPN/100ml	*Salmonella* MPN/10 liters
12/16/74	23	2.4×10^4	1.3×10^4	1.0×10^5	1.8×10^2	2.3×10^1	LSL
01/06/75	27	3.3×10^4	7.9×10^3	1.7×10^3	4.9×10^2	2.0	LSL
01/11/75	28	2.4×10^3	8.0×10^1	1.8×10^4	1.7×10^3	7.0	5.00
01/13/75	29	1.7×10^5	7.9×10^4	ND	3.5×10^3	4.3×10^1	LSL
01/20/75	30	4.6×10^3	4.0×10^2	4.4×10^4	2.3×10^2	4.6×10^2	LSL
02/05/75	33	1.7×10^4	$<2.0 \times 10^2$	6.0×10^3		4.3×10^1	7.78
02/23/75	35	5.4×10^4	1.3×10^4	3.6×10^4	1.1×10^3	LSL	LSL
03/12/75	37	1.3×10^3	2.0×10^2	1.7×10^4	3.5×10^2	9.3×10^1	2.22
04/03/75	40	3.48×10^4	1.4×10^3	3.1×10^4	9.2×10^3	LSL	LSL
04/15/75	42	4.6×10^4	2.0×10^3	1.2×10^4	7.0×10^2	1.5×10^1	7.8
05/01/75	44	1.7×10^4	1.1×10^4	4.1×10^4	2.8×10^2	4.0	4.3×10^1
05/06/75	45	1.3×10^4	2.0×10^2	1.7×10^5	1.7×10^1	2.4×10^2	LSL
06/11/75	49	5.4×10^4	1.3×10^2	3.0×10^5	3.4×10^2	2.4×10^2	LSL
06/30/75	51	1.1×10^5	4.0×10^4	ND	7.9×10^3	4.0	1.7
07/10/75	53	ND	ND	ND	ND	ND	ND
07/14/75	54	1.4×10^5	3.3×10^4	1.1×10^5	<8.0	LSL	2.6×10^2
07/27/75	56	7.0×10^4	2.3×10^4	3.7×10^5	1.1×10^4	LSL	1.1×10^1
08/06/75	58	3.5×10^4	2.4×10^4	1.5×10^5	2.3×10^3	LSL	5.2×10^1
08/13/75	59	3.5×10^4	3.5×10^4	1.1×10^4	1.7×10^4	LSL	LSL
09/12/75	62	1.4×10^5	9.2×10^4	1.1×10^5	2.6×10^3	1.4×10^1	5.2×10^1
09/18/75	64	3.5×10^5	2.4×10^5	2.0×10^5	1.2×10^3	LSL	3.3
Geom. Mean		3.8×10^4	6.9×10^3	5.0×10^4	5.9×10^2	1.2×10^1	5.7

ND - No Data
LSL - Lower sensitivity limit of the assay. No microorganisms recovered.

APPENDIX C. Levels of Enteric Viruses

Station A
Raw Sewage

Date	Run no.	TCID$_{50}$/10 liter BGM	HEp-2	HEL	pfu/10 liter
09/16/74	8	1.4×10^3	1.3×10^3	2.1×10^1	1.4×10^3
09/23/74	9	1.3×10^3	1.3×10^3	0	1.0×10^3
10/28/74	15	1.0×10^3	2.3×10^3	0	1.1×10^3
01/20/75	30	8.5×10^2	1.1×10^3	0	6.0×10^2
03/03/75	36	2.7×10^3	1.6×10^3	0	3.0×10^3
03/17/75	38	$<3.2 \times 10^1$	$<3.2 \times 10^1$	0	0
03/31/75	39	4.0×10^4	1.3×10^3	0	2.7×10^4
05/12/75	46	1.3×10^3	1.3×10^3	0	5.0×10^2
06/10/75	48	1.3×10^3	0	1.3×10^2	1.3×10^3
07/07/75	52	8.5×10^1	0	1.3×10^3	7.2×10^3
07/21/75	55	1.3×10^4	4.0×10^3	1.3×10^2	9.9×10^3
08/04/75	57	4.0×10^4	$<3.2 \times 10^1$	0	6.6×10^3
08/18/75	60	2.2×10^3	8.5×10^1	0	1.3×10^3
09/02/75	61	0	0	0	0
09/16/75	63	4.0×10^3	$<3.2 \times 10^1$	0	4.0×10^3

Station B
Herring Run

Date	Run no.	TCID$_{50}$/10 liter BGM	HEp-2	HEL	Pfu/10 liter
01/20/75	30	1.3×10^2	0	0	4.0×10^1
03/03/75	36	1.3×10^2	4.0×10^2	0	2.5×10^2
03/17/75	38	1.1×10^2	0	0	1.1×10^2
03/31/75	39	1.1×10^2	2.1×10^1	0	1.1×10^2
05/12/75	46	0	3.2×10^1	8.5×10^1	1.0×10^1
06/10/75	48	1.3×10^2	0	8.5×10^1	1.3×10^2
07/07/75	52	2.2×10^3	0	0	2.4×10^2
07/21/75	55	0	0	1.3×10^2	1.7×10^2
08/04/75	57	0	3.2×10^1	$<3.2 \times 10^1$	0
09/02/75	61	0	0	0	0
09/16/75	63	0	0	0	0

Station C
Jones Falls

Date	Run no.	TCID$_{50}$/10 liter BGM	HEp-2	HEL	pfu/10 liter
01/20/75	30	1.3×10^3	0	1.3×10^2	8.9×10^2
03/03/75	36	1.3×10^3	8.5×10^2	0	8.5×10^2
03/17/75	38	0	0	0	0
03/31/75	39	1.3×10^3	1.3×10^2	0	1.0×10^2
05/12/75	46	1.1×10^2	1.4×10^2	0	1.2×10^2
06/10/75	48	0	0	0	1.7×10^2
07/07/75	52	1.1×10^2	0	0	5.0×10^1
07/21/75	55	2.7×10^2	4.0×10^2	1.3×10^2	3.2×10^2
08/04/75	57	8.5×10^1	8.5×10^1	0	2.0×10^1
08/18/75	60	1.3×10^2	0	0	1.5×10^2
09/02/75	61	1.3×10^2	0	0	3.0×10^1
09/16/75	63	0	0	0	0

Station D
Gwynns Falls

Date	Run no.	TCID50/ 10 liter BGM	HEp-2	HEL	Pfu/10 liter
09/16/74	8	8.5×10^1	1.3×10^2	1.3×10^2	6.0×10^1
09/23/74	9	1.3×10^2	$>4.0 \times 10^5$	$>4.0 \times 10^5$	3.1×10^5
10/28/74	15	1.3×10^5	1.3×10^4	2.2×10^4	3.7×10^4
01/20/75	30	8.5×10^1	2.3×10^2	1.3×10^2	7.0×10^1
03/03/75	36	1.3×10^2	1.7×10^2	$<3.2 \times 10^1$	1.0×10^2
03/17/75	38	0	1.3×10^2	0	3.0×10^1
03/31/75	39	8.5×10^1	1.3×10^2	$<3.2 \times 10^1$	6.0×10^1
05/12/75	46	1.3×10^2	1.3×10^2	0	9.0×10^1
06/10/75	48	0	0	0	0
07/07/75	52	0	0	0	0
07/21/75	55	6.8×10^1	0	$<3.2 \times 10^1$	1.0×10^1
08/04/75	57	3.2×10^1	–	0	5.0×10^1
08/18/75	60	3.2×10^1	0	0	0
09/16/75	63	0	0	0	0

APPENDIX C. Levels of Enteric Viruses

Station E
Loch Raven Reservoir

Date	Run no.	TCID50/10 liter BGM	HEp-2	HEL	pfu/10 liter
03/17/75	38	1.3×10^2	0	0	0
03/31/75	39	1.3×10^2	1.3×10^2	1.3×10^2	8.0×10^1
05/12/75	46	1.3×10^2	0	0	1.3×10^2
06/10/75	48	1.3×10^2	0	0	2.0×10^1
08/04/75	57	0	1.3×10^2	0	0
09/02/75	61	0	0	0	0
09/16/75	63	0	0	0	0

Station F
Stoney Run

Date	Run no.	TCID50/10 liter BGM	HEp-2	HEL	pfu/10 liter
01/07/75	27	1.3×10^2	4.0×10^4	1.3×10^3	1.4×10^3
02/23/75	35	4.6×10^3	2.3×10^3	1.3×10^2	5.3×10^3
03/12/75	37	1.3×10^2	0	1.3×10^3	1.3×10^3
04/16/75	42	1.3×10^3	1.3×10^3	1.3×10^2	8.3×10^2
05/01/75	44	1.3×10^2	0	0	6.0×10^1
06/12/75	49	1.3×10^2	0	0	0
06/30/75	51	8.5×10^1	0	3.2×10^1	1.0×10^1
07/11/75	53	1.3×10^2	0	0	5.0×10^1
07/25/75	56	1.3×10^2	0	0	1.1×10^2
08/13/75	59	1.3×10^2	0	0	1.8×10^2
09/12/75	62	1.3×10^2	0	0	1.3×10^2

Station G
Glen Avenue

Date	Run no.	TCID50/10 liter BGM	HEp-2	HEL	pfu/10 liter
01/07/75	27	4.0×10^3	1.3×10^2	$<3.2 \times 10^1$	6.4×10^2
02/05/75	33	1.0×10^3	1.3×10^2	1.3×10^2	1.0×10^3
02/23/75	35	$>1.0 \times 10^3$	2.3×10^3	2.6×10^2	9.6×10^2
03/12/75	37	1.3×10^2	0	0	3.0×10^1
04/16/75	42	1.3×10^3	1.3×10^3	1.4×10^4	1.2×10^3
05/01/75	44	1.3×10^2	0	0	6.0×10^1
06/12/75	49	1.3×10^2	0	0	6.0×10^1
06/30/75	51	1.4×10^3	8.5×10^1	1.3×10^2	1.4×10^3
07/11/75	53	$<3.2 \times 10^1$	8.5×10^1	0	–
07/25/75	56	5.6×10^1	0	0	5.0×10^1
08/13/75	59	0	0	0	0
09/12/75	62	0	0	$<3.2 \times 10^1$	0

Station H
Howard Park

Date	Run no	TCID50/10 liter BGM	HEp-2	HEL	pfu/10 liter
01/07/75	27	2.2×10^3	1.3×10^2	0	2.4×10^2
02/05/75	33	1.3×10^3	1.6×10^2	1.3×10^2	1.6×10^3
02/23/75	35	$>1.0 \times 10^3$	$>1.0 \times 10^3$	1.3×10^3	1.3×10^3
03/12/75	37	1.3×10^3	8.5×10^1	$<3.2 \times 10^1$	6.3×10^2
04/16/75	42	4.0×10^3	8.5×10^2	$<3.2 \times 10^1$	2.7×10^3
05/01/75	44	1.3×10^2	–	–	1.8×10^1
06/12/75	49	–	–	–	
06/30/75	51	2.3×10^2	$<3.2 \times 10^1$	8.5×10^1	2.3×10^2
07/04/75	53	$<3.2 \times 10^1$	$<3.2 \times 10^1$	0	1.0×10^1
07/25/75	56	$>1.0 \times 10^3$	$>1.0 \times 10^3$	$<3.2 \times 10^1$	toxic
08/13/75	59	8.5×10^1	$<3.2 \times 10^1$	0	7.0×10^1
09/12/75	62	1.3×10^2	1.3×10^2	0	8.0×10^1

APPENDIX C. Levels of Enteric Viruses

		Station K Jones Falls Storm Drain			
		TCID50/10 liter			
Date	Run no.	BGM	HEp-2	HEL	pfu/10 liter
01/07/75	27	1.0×10^3	2.3×10^2	0	1.1×10^3
02/05/75	33	$>1.0 \times 10^3$	8.5×10^1	1.3×10^2	1.2×10^3
02/23/75	35	$>1.0 \times 10^3$	$>1.0 \times 10^3$	$>1.0 \times 10^3$	0
03/12/75	37	1.3×10^2	1.3×10^2	1.1×10^2	1.5×10^2
04/16/75	42	1.9×10^2	1.1×10^2	0	2.0×10^1
05/01/75	44	1.1×10^2	0	$<3.2 \times 10^1$	8.0×10^1
06/12/75	49	1.3×10^2	1.3×10^2	0	5.0×10^1
06/30/75	51	2.7×10^2	1.0×10^3	0	6.1×10^2
07/11/75	53	1.3×10^2	2.1×10^1	0	1.3×10^2
07/25/75	56	-	-	-	0
08/13/75	59	0	$<3.2 \times 10^1$	1.3×10^2	1.0×10^1
09/12/75	62	0	0	0	0

		Station L Bush Street			
		TCID50/10 liter			
Date	Run no.	BGM	HEp-2	HEL	pfu/10 liter
01/07/75	27	2.6×10^2	3.2×10^1	2.3×10^2	2.5×10^2
02/05/75	33	-	5.8×10^1	0	3.7×10^2
02/23/75	35	3.2×10^2	2.1×10^2	0	4.8×10^2
03/12/75	37	3.2×10^1	3.2×10^1	1.3×10^2	0
04/16/75	42	2.1×10^1	0	0	0
05/01/75	44	0	0	0	0
06/12/75	49	0	0	0	0
06/30/75	51	7.4×10^2	1.0×10^2	$<3.2 \times 10^1$	6.0×10^2
07/11/75	53	3.2×10^1	0	0	4.0×10^1
07/25/75	56	-	-	-	0
08/13/75	59	0	0	$<3.2 \times 10^1$	0
09/12/75	62	0	0	0	0

		Station M Northwood			
		TCID50/10 liter			
Date	Run no.	BGM	HEp-2	HEL	pfu/10 liter
01/07/75	27	1.3×10^3	0	1.3×10^2	1.1×10^2
02/05/75	33	-	-	-	-
02/23/75	35	1.3×10^2	1.3×10^2	0	6.0×10^1
03/12/75	37	1.7×10^2	1.3×10^2	1.3×10^2	2.1×10^2
04/16/75	42	1.0×10^2	0	0	3.6×10^2
05/01/75	44	1.0×10^2	0	0	1.0×10^2
06/12/75	49	1.4×10^2	$<3.2 \times 10^1$	$<3.2 \times 10^1$	5.0×10^1
06/30/75	51	1.3×10^2	$<3.2 \times 10^1$		1.2×10^2
07/11/75	53	-	-	-	-
07/25/75	56	1.3×10^2	0	1.1×10^2	1.2×10^2
08/13/75	59	2.2×10^2	1.3×10^2	1.3×10^2	2.9×10^2
09/12/75	62	1.3×10^2	1.3×10^3	$>1.0 \times 10^3$	1.2×10^3

APPENDIX D. Distribution of Fecal Streptococci, Station A - Raw Sewage

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.	%	*S. faecalis* var. *liquefaciens* and *zymogenes* no.	%	Atypical *S. faecalis* no.	%	Enterococci no.	%	*S. bovis* and *S. equinus* no.	%	False positive no.	%
09/09/74	7	5.2×10^6	8	1	13	4	50	0	0	5	63	1	13	2	26
09/16/74	8	9.8×10^5	16	6	38	2	13	0	0	8	50	0	0	8	50
09/23/74	9	1.2×10^7	40	13	32	2	5	0	0	15	38	7	18	18	45
09/30/74	10	4.1×10^6	83	31	37	0	0	3	4	34	41	2	2	47	57
10/07/74	11	1.1×10^6	82	33	40	4	5	4	5	41	50	1	1	40	49
10/14/74	12	1.2×10^6	73	17	23	5	7	0	0	22	30	8	11	43	59
10/21/74	14	8.3×10^5	48	17	35	1	2	0	0	18	38	5	10	25	52
10/28/74	15	4.4×10^5	38	24	63	2	5	0	0	26	68	5	13	7	18
11/04/74	16	2.0×10^4	19	18	95	0	0	0	0	18	95	0	0	1	5
11/11/74	18	1.1×10^6	30	14	47	1	3	0	0	15	50	5	17	10	33
11/18/74	20	1.1×10^6	36	18	50	2	6	0	0	20	56	1	3	12	33
12/02/74	21	3.4×10^5	33	8	24	0	0	1	3	9	27	7	21	17	52
12/09/74	22	9.7×10^5	48	20	42	3	6	0	0	23	48	4	8	21	44
12/17/74	24	3.9×10^5	20	6	30	2	10	0	0	8	40	2	10	10	50
12/24/74	25	1.1×10^6	40	15	38	4	10	0	0	19	48	4	10	16	40
01/06/75	26	9.5×10^5	34	20	59	2	6	0	0	22	65	3	9	7	21
01/20/75	30	5.4×10^5	29	13	45	1	3	1	3	15	52	5	17	9	31
01/27/75	31	4.5×10^7	32	16	50	0	0	0	0	16	50	2	6	13	41
02/03/75	32	1.1×10^6	29	10	34	1	3	0	0	11	38	3	10	14	48
02/17/75	34	1.8×10^6	18	11	61	3	17	0	0	14	78	0	0	3	17
03/03/75	36	1.4×10^6	28	13	46	1	4	0	0	14	50	3	11	11	39
03/17/75	38	2.7×10^6	5	1	20	1	20	0	0	2	40	0	0	3	60
03/31/75	39	9.4×10^5	35	17	49	0	0	0	0	17	49	1	3	17	49
04/14/75	41	1.7×10^6	46	20	43	3	7	0	0	23	50	7	15	16	35
04/28/75	43	1.6×10^6	44	15	34	4	10	1	2	20	45	3	7	21	48
05/12/75	46	2.4×10^6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/19/75	47	3.0×10^6	49	27	55	3	6	1	2	31	63	3	6	15	31
06/10/75	48	3.1×10^6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/75	48	2.3×10^7	39	23	59	3	7	0	0	26	67	1	3	12	31
06/10/75	48	6.0×10^7	47	29	62	7	15	0	0	36	77	5	11	6	13
06/24/75	50	3.8×10^5	31	13	42	1	3	1	3	15	48	4	13	12	39
07/07/75	52	3.3×10^6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/75	55	9.9×10^5	49	11	22	0	0	0	0	11	22	5	10	27	55
08/04/75	57	8.0×10^3	50	19	38	0	0	0	0	19	38	11	22	13	26
08/18/75	60	1.3×10^6	50	13	26	0	0	0	0	13	26	17	34	20	40
09/02/75	61	1.4×10^6	49	24	49	2	4	0	0	26	53	10	20	13	27
09/16/75	63	9.5×10^5	49	30	61	0	0	2	2	32	65	2	2	15	31
Number					34		34		34		34		34		34
Mean					43.4		6.7		0.4		50.5		9.9		37
Standard deviation					15.8		9.2		.92		15.7		7.7		14.7
Positive samples, %					100		73.5		23.5		100		88.2		100

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station B - Herring Run

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.	*S. faecalis* and *S. faecium* %	*S. faecalis* var. *liquefaciens* and *zymogenes* no.	*S. faecalis* var. *liquefaciens* and *zymogenes* %	Atypical *S. faecalis* no.	Atypical *S. faecalis* %	Enterococci no.	Enterococci %	*S. bovis* and *S. equinus* no.	*S. bovis* and *S. equinus* %	False positive no.	False positive %
09/09/74	7	1.3×10^3	5	1	20	1	20	1	20	3	60	0	0	2	40
09/16/74	8	8.0×10^2	16	8	50	0	0	0	0	8	50	0	0	8	50
09/23/74	9	1.6×10^4	36	22	61	4	11	0	0	26	72	0	0	10	28
09/30/74	10	1.0×10^3	6	1	17	0	0	0	0	1	17	0	0	5	83
10/07/74	11	4.5×10^2	67	53	79	1	1	0	0	54	81	0	0	13	19
10/14/74	12	7.5×10^2	16	8	50	1	6	0	0	9	56	0	0	7	44
10/21/74	14	4.5×10^2	18	11	61	1	6	0	0	12	67	2	11	4	22
10/28/74	15	3.0×10^2	10	6	60	0	0	0	0	6	60	0	0	4	40
11/04/74	16	1.9×10^2	34	8	24	0	0	0	0	8	24	0	0	26	76
11/11/74	18	2.0×10^2	20	16	80	2	10	0	0	18	90	0	0	2	10
11/18/74	20	5.3×10^2	26	14	54	7	27	0	0	21	81	0	0	5	19
12/02/74	21	4.0×10^4	35	16	46	1	3	0	0	17	49	5	14	11	31
12/09/74	22	2.4×10^3	37	17	46	0	0	0	0	17	46	9	24	9	24
12/17/74	24	3.8×10^3	19	2	11	2	11	1	5	5	26	5	26	8	42
12/24/74	25	1.9×10^3	18	7	39	1	6	1	6	9	50	5	27	4	22
01/06/75	26	5.6×10^2	40	18	45	6	15	0	0	24	60	7	18	8	20
01/20/75	30	1.3×10^4	31	21	68	1	3	0	0	22	71	2	6	7	23
01/27/75	31	3.9×10^3	20	0	0	2	10	0	0	2	10	4	20	14	70
02/03/75	32	2.3×10^3	23	5	22	3	13	1	4	9	39	5	22	9	39
02/17/75	34	1.1×10^4	7	4	57	1	14	0	0	5	71	0	0	1	14
03/03/75	36	2.8×10^3	25	6	24	1	4	0	0	7	28	16	64	1	4
03/17/75	38	2.0×10^4	5	4	80	0	0	0	0	4	80	0	0	1	20
03/31/75	39	4.1×10^2	47	30	64	1	2	0	0	31	66	2	4	14	30
04/14/75	41	4.2×10^2	46	23	50	1	2	2	4	26	57	15	33	5	11
04/28/75	43	3.1×10^2	49	18	37	4	8	0	0	22	45	1	2	26	53
05/12/75	46	2.3×10^2	39	30	77	1	3	0	0	31	79	0	0	8	21
05/19/75	47	3.9×10^2	50	19	38	19	38	1	2	39	78	1	2	10	20
06/10/75	48	8.0×10^3	46	12	26	2	4	1	2	15	33	1	2	30	65
06/10/75	48	8.5×10^2	49	41	84	5	10	0	0	46	94	0	0	3	6
06/10/75	48	3.7×10^3	49	25	51	5	10	0	0	30	61	14	29	5	10
06/24/75	50	2.1×10^3	50	35	70	5	10	0	0	40	80	0	0	10	20
07/07/75	52	2.7×10^3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/75	55	1.4×10^4	50	31	62	0	0	0	0	31	62	0	0	11	22
08/04/75	57	2.4×10^2	44	1	2	0	0	1	2	2	3	0	0	42	95
08/18/75	60	3.5×10^3	50	8	16	0	0	0	0	8	16	0	0	42	84
09/02/75	61	2.5×10^3	44	32	73	0	0	1	2	33	75	2	5	9	20
09/16/75	63	2.7×10^3	49	27	55	0	0	1	2	28	57	2	4	19	39
Number					36		36		36		36		36		36
Mean					47.2		6.9		1.4		55.4		8.7		34.3
Standard deviation					23.2		8.4		3.6		23.4		14.1		23.7
Positive samples, %					97.2		69.4		31.6		100		50		100

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station C - Jones Falls

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no	*S. faecalis* and *S. faecium* %	*S. faecalis* var. *liquefaciens* and *symogenes* no.	*S. faecalis* var. *liquefaciens* and *symogenes* %	Atypical *S. faecalis* no.	Atypical *S. faecalis* %	Enterococci no.	Enterococci %	S. bovis and S. equinus no.	S. bovis and S. equinus %	False positive no.	False positive %
09/09/74	7	2.3×10^4	6	1	17	3	50	0	0	4	67	0	0	2	33
09/16/74	8	1.5×10^4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/23/74	9	3.2×10^4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/74	10	5.3×10^4	40	25	63	0	0	0	0	25	63	0	0	15	38
10/07/74	11	1.3×10^4	63	36	57	7	11	2	3	45	71	8	13	10	16
10/14/74	12	1.4×10^4	68	22	32	4	6	0	0	26	54	3	4	39	57
10/21/74	14	5.9×10^4	40	33	83	0	0	0	0	33	83	1	3	6	15
10/28/74	15	2.3×10^4	40	18	45	3	8	0	0	21	53	3	8	16	40
11/04/74	16	3.2×10^4	18	3	17	0	0	0	0	3	17	6	33	9	50
11/11/74	18	3.6×10^4	35	10	29	3	9	0	0	13	37	1	3	21	60
11/18/74	20	2.6×10^3	25	15	60	5	20	0	0	20	80	2	8	3	12
12/02/74	21	7.6×10^4	36	18	50	4	11	1	3	23	64	2	6	10	28
12/09/74	22	2.6×10^4	26	10	38	0	0	0	0	10	38	4	15	9	35
12/17/74	24	4.2×10^4	19	9	47	0	0	0	0	9	47	3	16	7	37
12/24/74	25	7.1×10^3	37	20	54	3	8	0	0	23	62	2	5	12	32
01/06/75	26	4.0×10^3	41	27	66	1	2	0	0	28	68	5	12	8	20
01/20/75	30	1.1×10^4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/75	31	2.4×10^3	34	11	32	5	15	0	0	16	47	3	9	15	44
02/03/75	32	3.3×10^3	30	9	30	3	10	0	0	12	40	1	3	16	53
02/17/75	34	3.1×10^4	9	8	89	0	0	0	0	8	89	0	0	1	11
03/03/75	36	4.2×10^3	33	5	15	14	42	0	0	19	58	1	3	13	39
03/17/75	38	7.3×10^4	7	6	86	0	0	0	0	6	86	0	0	1	14
03/31/75	39	3.3×10^4	43	16	37	6	14	0	0	22	51	3	7	10	23
04/14/75	41	4.6×10^3	49	25	51	6	12	0	0	31	63	0	0	18	37
04/28/75	43	3.5×10^4	48	14	29	1	2	0	0	15	31	0	0	33	69
05/12/75	46	6.1×10^3	49	5	10	0	0	0	0	5	10	0	0	44	90
05/19/75	47	4.7×10^3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/75	48	1.8×10^4	48	23	48	1	2	0	0	24	50	6	13	18	38
06/10/75	48	5.7×10^3	46	34	74	0	0	0	0	34	74	9	20	3	7
06/10/75	48	1.5×10^4	49	41	84	6	12	0	0	47	96	0	0	1	2
06/24/75	50	8.5×10^3	50	44	88	3	6	0	0	47	94	1	2	2	4
07/07/75	52	5.1×10^4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/75	55	1.3×10^4	50	18	36	0	0	0	0	18	36	17	34	13	26
08/04/75	57	2.0×10^3	35	1	3	0	0	5	14	6	17	0	0	29	83
08/18/75	60	6.7×10^3	50	10	20	0	0	0	0	10	20	13	26	26	52
09/02/75	61	7.3×10^3	50	30	60	7	14	0	0	37	74	1	2	11	22
09/16/75	63	4.9×10^3	50	34	68	0	0	0	0	34	68	3	6	12	24
Number					32		32		32		32		32		32
Mean					47.4		7.9		0.6		56.5		7.8		34.7
Standard deviation					24.4		11.6		2.5		23.0		9.4		21.6
Positive samples, %					100		59.4		9.4		100		71.9		100

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station D - Gwynns Falls

Date	Run number	Fecal stroptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.	%	*S. faecalis* var. *liquefaciens* and *zymogenes* no.	%	Atypical *S. faecalis* no.	%	Enterococci no.	%	*S. bovis* and *S. equinus* no.	%	False positive no.	%
09/09/74	7	1.7×10^3	4	0	0	2	50	0	0	2	50	0	0	2	50
09/16/74	8	2.3×10^4	40	20	50	3	8	3	8	26	65	2	5	12	30
09/23/74	9	5.5×10^4	33	20	61	5	15	0	0	25	76	0	0	8	24
09/30/74	10	8.5×10^3	19	6	32	1	5	1	5	8	42	0	0	11	58
10/07/74	11	3.8×10^3	60	27	45	5	8	0	0	32	53	4	7	24	40
10/14/74	12	3.0×10^2	9	2	22	0	0	0	0	2	22	0	0	7	77
10/21/74	14	1.6×10^3	7	5	71	0	0	0	0	5	71	0	0	2	29
10/28/74	15	$<1.0 \times 10^2$	3	3	100	0	0	0	0	3	100	0	0	0	0
11/04/74	16	1.2×10^2	24	13	54	0	0	0	0	13	54	1	4	10	42
11/11/74	18	2.1×10^2	21	19	90	2	10	0	0	21	100	0	0	0	0
11/18/74	20	1.2×10^2	24	16	67	2	8	1	4	19	79	0	0	5	21
12/02/74	21	$>1.0 \times 10^5$	26	15	58	3	12	0	0	18	69	1	4	6	23
12/09/74	22	2.4×10^4	22	16	73	1	5	0	0	17	77	1	5	4	19
12/17/74	24	1.0×10^5	26	9	35	1	4	0	0	10	38	3	12	13	50
12/24/74	25	6.0×10^2	12	1	8	0	0	0	0	1	8	2	17	8	67
01/06/75	26	5.1×10^3	25	9	36	0	0	0	0	9	36	11	44	4	16
01/20/75	30	4.5×10^4	31	4	13	1	3	0	0	5	16	6	19	20	65
01/27/75	31	7.0×10^2	12	2	17	0	0	0	0	2	17	0	0	10	83
02/03/75	32	$\leq 2.0 \times 10^2$	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/17/75	34	2.2×10^3	11	7	64	1	9	0	0	8	73	0	0	3	27
03/03/75	36	2.4×10^5	27	1	4	0	0	0	0	1	4	9	33	17	63
03/17/75	38	1.9×10^4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/31/75	39	3.4×10^4	42	14	33	17	40	0	0	31	74	4	10	7	17
04/14/75	41	5.5×10^2	9	4	44	1	11	0	0	5	56	4	44	0	0
04/28/75	43	6.0×10^2	10	1	10	0	0	0	0	1	10	0	0	9	90
05/12/75	46	3.0×10^2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/19/75	47	1.0×10^2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/75	48	3.6×10^3	50	39	78	4	8	0	0	43	86	5	10	2	4
06/10/75	48	1.8×10^3	44	28	64	8	18	0	0	36	82	3	7	5	11
06/10/75	48		39	31	79	2	5	0	0	33	84	5	13	1	3
06/24/75	50	2.1×10^3	50	39	78	2	4	0	0	41	82	0	0	9	18
07/07/75	52	6.7×10^2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/75	55	2.8×10^4	50	36	72	0	0	0	0	36	72	0	0	14	28
08/04/75	57	4.5×10^1	8	1	12	0	0	0	0	1	12	0	0	7	88
08/18/75	60	8.3×10^2	49	24	49	0	0	0	0	24	49	0	0	25	51
09/02/75	61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/16/75	63	3.3×10^3	50	40	80	0	0	0	0	40	80	0	0	9	18
Number					31		31		31		31		31		31
Mean					48.4		9.8		0.5		56		7.5		36
Standard deviation					27.9		9.1		1.8		28.6		12 3		27.4
Positive samples, %					96.8		58.1		9.7		100		48.4		90.3

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci Station E - Loch Raven Reservoir - Insufficient Data

APPENDIX D. Distribution of Fecal Streptococci, Station F - Stoney Run

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S faecalis* and *S faecium* no.	*S faecalis* and *S faecium* %	*S. faecalis* var. *liquefaciens* and *zymogenes* no.	*S. faecalis* var. *liquefaciens* and *zymogenes* %	Atypical *S. faecalis* no.	Atypical *S. faecalis* %	Enterococci no.	Enterococci %	S. bovis and S. equinus no	S. bovis and S. equinus %	False positive no.	False positive %
10/16/74	13	5.3×10^2	33	9	27	2	6	0	0	11	33	2	6	20	61
11/05/74	17	9.8×10^3	49	18	37	3	6	1	2	22	45	6	12	21	43
11/12/74	19	8.4×10^3	42	26	62	0	0	1	2	27	64	3	7	12	29
12/16/74	23	2.4×10^5	21	3	14	4	19	0	0	7	33	0	0	14	66
01/06/75	27	1.1×10^5	41	1	2	1	2	0	0	2	4	27	66	11	27
01/11/75	28	1.9×10^5	31	28	90	0	0	0	0	28	90	0	0	3	10
01/13/75	29	3.1×10^4	39	6	15	0	0	0	0	6	15	7	18	26	67
01/20/75	30	2.5×10^4	34	12	35	0	0	0	0	12	35	0	0	22	65
02/05/75	33	1.7×10^4	34	4	12	6	18	0	0	10	29	10	29	14	41
02/12/75	35	8.0×10^3	33	8	24	3	9	0	0	17	52	3	9	19	58
03/12/75	37	2.4×10^4	27	11	41	6	22	0	0	17	63	0	0	8	30
04/03/75	40	2.3×10^4	21	12	57	6	29	0	0	18	86	3	14	0	0
04/15/75	42	5.6×10^4	50	3	6	2	4	0	0	5	10	27	54	18	36
05/01/75	44	6.5×10^4	45	13	29	4	9	0	0	17	38	16	36	12	27
05/06/75	45	8.0×10^4	47	7	15	1	2	0	0	8	17	16	34	23	49
06/11/75	49	3.1×10^4	50	35	70	2	4	0	0	37	74	2	4	11	22
06/30/75	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/75	53	3.0×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/75	54	1.9×10^5	48	23	48	1	2	0	0	24	50	0	0	24	50
07/27/75	56	4.2×10^4	50	42	84	0	0	0	0	42	84	0	0	6	12
08/06/75	58	<5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/75	59	1.7×10^5	47	26	55	0	0	0	0	26	55	1	2	17	36
09/12/75	62	1.2×10^5	50	26	52	0	0	0	0	26	52	0	0	22	44
09/18/75	64	3.7×10^5	49	12	24	0	0	0	0	12	24	16	33	20	41
Number					21		21		21		21		21		21
Mean					38		6 3		0 2		45.4		15 4		38.8
Standard deviation					25.1		8.5		0.6		25.2		19 4		18 9
Positive samples, %					100		61.9		10.4		100		66.6		95.2

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station G - Glen Avenue

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.	*S. faecalis* and *S. faecium* %	*S. faecalis* var. *liquefaciens* and *zymogenes* no.	*S. faecalis* var. *liquefaciens* and *zymogenes* %	Atypical *S. faecalis* no.	Atypical *S. faecalis* %	Enterococci no.	Enterococci %	*S. bovis* and *S. equinus* no.	*S. bovis* and *S. equinus* %	False positive no.	False positive %
10/16/74	13	1.6×10^4	40	20	50	0	0	0	0	20	50	0	0	20	50
11/05/74	17	9.2×10^4	45	36	80	1	2	0	0	37	82	2	4	6	13
11/12/74	19	5.2×10^5	25	13	52	1	4	0	0	14	56	1	4	10	40
12/16/74	23	4.3×10^5	20	3	15	0	0	0	0	3	15	3	15	12	60
01/06/75	27	8.4×10^4	40	8	20	1	3	0	0	9	23	7	18	13	33
01/11/75	28	2.4×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/75	29	1.7×10^5	34	10	29	3	9	0	0	13	38	4	12	16	47
01/20/75	30	3.8×10^4	34	5	15	1	3	0	0	6	18	2	6	25	74
02/05/75	33	3.4×10^4	33	13	39	0	0	0	0	13	39	9	27	11	33
02/12/75	35	8.3×10^5	28	4	14	0	0	1	4	4	14	14	50	9	32
03/12/75	37	2.3×10^5	23	6	26	1	4	0	0	7	30	0	0	16	70
04/03/75	40	1.2×10^6	35	10	29	0	0	0	0	10	29	1	3	24	69
04/15/75	42	9.2×10^5	37	4	11	0	0	0	0	4	11	0	0	33	89
05/01/75	44	6.8×10^5	45	6	13	0	0	0	0	6	13	6	13	33	73
05/06/75	45	2.8×10^6	47	6	13	0	0	0	0	6	13	22	47	19	40
06/11/75	49	3.7×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/75	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/75	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/75	54	9.8×10^5	50	12	24	0	0	0	0	12	24	0	0	36	72
07/27/75	56	5.2×10^6	50	29	58	0	0	0	0	29	58	0	0	21	42
08/06/75	58	7.3×10^5	49	22	45	0	0	0	0	22	45	3	6	24	49
08/13/75	59	4.6×10^6	50	38	76	0	0	0	0	38	76	0	0	12	24
09/12/75	62	4.8×10^6	44	34	77	0	0	0	0	34	77	0	0	9	20
09/18/75	64	9.3×10^5	50	31	62	0	0	1	2	32	64	2	4	16	32
Number					20		20		20		20		20		20
Mean					37.4		1.3		0.3		38.8		10.5		48.1
Standard deviation					23.5		2.3		1.0		23.5		14.9		21.0
Positive samples, %					100		30		10		100		65		100

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station H - Howard Park

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.		*S. faecalis* var. *liquefaciens* and *zymogenes* no.		Atypical *S. faecalis* no.		Enterococci no.		*S. bovis* and *S. equinus* no.		False positive no.	
					%		%		%		%		%		%
10/16/74	13	1.5×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/05/74	17	3.2×10^5	15	7	47	0	0	0	0	7	47	0	0	8	53
11/12/74	19	1.0×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/16/74	23	7.2×10^5	40	8	20	3	8	0	0	11	28	9	23	20	50
01/06/75	27	1.4×10^5	25	3	12	1	4	0	0	4	16	8	32	11	44
01/11/75	28	1.7×10^5	26	17	65	5	19	0	0	22	85	1	4	3	12
01/13/75	29	3.5×10^5	37	13	35	2	5	0	0	15	41	6	16	16	43
01/20/75	30	3.7×10^5	32	12	38	2	6	0	0	14	44	2	6	15	47
02/05/75	33	3.0×10^3	8	3	38	1	13	0	0	4	50	0	0	3	38
02/12/75	35	8.7×10^5	34	4	12	0	0	1	3	5	15	3	9	26	76
03/12/75	37	2.4×10^5	17	6	35	0	0	0	0	6	35	1	6	10	57
04/03/75	40	1.4×10^6	28	12	43	3	11	0	0	15	54	0	0	13	46
04/15/75	42	7.0×10^5	48	8	17	9	19	1	2	18	38	8	17	22	46
05/01/75	44	5.1×10^5	48	7	15	2	4	0	0	9	19	15	31	24	50
05/06/75	45	8.1×10^5	48	9	19	2	4	0	0	11	23	20	42	17	35
06/11/75	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/75	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/75	53	6.7×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/75	54	1.7×10^5	49	16	37	0	0	0	0	16	37	20	41	13	27
07/27/75	56	1.2×10^8	50	25	50	0	0	0	0	25	50	13	26	6	12
08/06/75	58	4.9×10^5	50	17	34	0	0	0	0	17	34	9	18	24	48
08/13/75	59	1.7×10^5	50	14	28	0	0	1	2	15	30	25	50	10	20
09/12/75	62	7.1×10^5	47	23	49	0	0	0	0	23	49	2	4	22	47
09/18/75	64	6.3×10^4	49	22	45	5	10	1	2	28	59	1	2	20	41
Number					19		19		19		19		19		19
Mean					33.6		5.4		0.5		39.7		17.2		41.8
Standard deviation					14.8		6.4		1.0		17.0		15.9		15.6
Positive samples, %					100		57.9		21.1		100		84.2		100

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station K - Jones Falls Storm

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.	*S. faecalis* and *S. faecium* %	*S. faecalis* var. *liquefaciens* and *symogenes* no.	*S. faecalis* var. *liquefaciens* and *symogenes* %	Atypical *S. faecalis* no.	Atypical *S. faecalis* %	Enterococci no.	Enterococci %	*S. bovis* and *S. equinus* no.	*S. bovis* and *S. equinus* %	False positive no.	False positive %
10/16/74	13	2.7×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/05/74	17	4.6×10^5	35	0	0	0	0	0	0	0	0	6	17	29	83
11/12/74	19	8.0×10^5	40	28	70	2	5	0	0	30	75	1	3	9	23
12/16/74	23	3.4×10^5	20	1	5	1	5	0	0	2	10	5	25	13	65
01/06/75	27	1.6×10^5	36	5	14	0	0	0	0	5	14	18	50	12	33
01/11/75	28	7.9×10^5	30	22	73	1	3	0	0	23	77	0	0	7	23
01/13/75	29	2.5×10^5	36	5	14	0	0	0	0	5	14	16	44	15	42
01/20/75	30	6.9×10^4	34	2	6	25	74	0	0	27	79	1	3	6	18
02/03/75	33	1.4×10^5	35	10	29	6	17	0	0	16	46	6	17	13	37
02/12/75	35	7.5×10^5	32	3	9	0	0	0	0	3	9	17	53	12	28
03/12/75	37	1.3×10^5	26	0	0	0	0	0	0	0	0	4	15	21	81
04/03/75	40	2.4×10^5	30	16	53	8	27	1	3	25	83	0	0	5	17
04/15/75	42	1.8×10^5	23	5	22	1	4	1	4	7	30	1	4	15	65
05/01/75	44	3.4×10^5	46	15	33	0	0	0	0	15	33	14	30	17	37
05/06/75	45	2.5×10^5	47	14	30	5	11	1	2	20	43	15	32	12	26
06/11/75	49	5.5×10^5	50	21	42	2	4	0	0	23	46	6	12	21	42
06/30/75	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/75	53	3.7×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/75	54	8.3×10^5	49	17	35	0	0	0	0	17	35	9	18	23	47
07/27/75	56	7.2×10^4	50	33	66	0	0	0	0	33	66	4	8	11	22
08/06/75	58	5.5×10^5	49	11	22	0	0	1	2	12	24	13	27	24	49
08/13/75	59	4.7×10^4	48	26	54	0	0	0	0	26	54	3	6	19	40
09/12/75	62	2.9×10^5	47	25	53	0	0	2	4	27	57	1	2	19	40
09/18/75	64	7.6×10^5	50	27	54	0	0	0	0	27	54	1	2	21	42
Number					21		21		21		21		21		21
Mean					32.6		7.1		0.7		40.4		17.5		41.5
Standard deviation					23.5		16.8		1.4		26.7		16.6		18.8
Positive samples, %					90.5		42.9		23.8		90.5		90.5		100

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station L - Bush Street

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.	*S. faecalis* and *S. faecium* %	*S. faecalis* var. *liquefaciens* and *zymogenes* no.	*S. faecalis* var. *liquefaciens* and *zymogenes* %	Atypical *S. faecalis* no.	Atypical *S. faecalis* %	Enterococci no	Enterococci %	S. bovis and S. equinus no	S. bovis and S. equinus %	False positive no.	False positive %
10/16/74	13	3.8×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/05/74	17	5.0×10^3	10	4	40	0	0	0	0	4	40	1	10	5	50
11/12/74	19	4.3×10^3	22	15	68	1	5	0	0	16	73	2	9	4	18
12/16/74	23	1.2×10^6	24	7	29	0	0	1	4	8	33	4	17	9	38
01/06/75	27	6.5×10^5	35	6	17	2	8	0	0	8	23	12	34	11	31
01/11/75	28	1.4×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/75	29	3.5×10^5	31	10	32	4	13	0	0	14	45	5	16	12	39
01/20/75	30	7.6×10^5	33	2	6	0	0	0	0	2	6	0	0	31	94
02/05/75	33	2.4×10^5	31	5	16	3	10	0	0	9	29	8	26	13	42
02/12/75	35	2.5×10^3	5	3	60	1	20	0	0	4	80	0	0	1	20
03/12/75	37	9.4×10^5	22	4	18	8	36	0	0	12	55	4	18	6	27
04/03/75	40	1.2×10^6	28	8	29	4	14	0	0	12	43	0	0	16	57
04/15/75	42	3.6×10^5	34	5	15	0	0	0	0	5	15	6	18	23	67
05/01/75	44	8.5×10^5	39	8	21	1	3	1	3	10	26	14	36	14	36
05/06/75	45	1.9×10^6	48	19	40	4	8	0	0	23	48	11	23	14	29
06/11/75	49	5.3×10^5	50	19	38	1	2	0	0	20	40	7	14	23	46
06/30/75	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/75	53	8.4×10^5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/75	54	5.2×10^5	49	10	20	0	0	1	2	11	22	15	31	20	41
07/27/75	56	3.8×10^6	49	24	49	0	0	0	0	24	49	11	22	13	27
08/06/75	58	4.1×10^5	49	11	22	0	0	0	0	11	22	15	31	22	45
08/13/75	59	7.2×10^5	47	14	30	0	0	0	0	14	30	16	34	17	36
09/12/75	62	1.1×10^6	48	26	54	0	0	0	0	26	54	2	4	19	40
09/18/75	64	1.4×10^6	48	25	52	0	0	3	6	28	58	2	4	18	38
Number					20		20		20		20		20		20
Mean					32.8		6.0		0.8		39.6		17.4		41.1
Standard deviation					16.9		9.2		1.7		18.9		12.1		17.1
Positive samples, %					100		50		20		100		85		100

ND - No Data

APPENDIX D. Distribution of Fecal Streptococci, Station M - Northwood

Date	Run number	Fecal streptococci no./100ml	Number of isolates tested	*S. faecalis* and *S. faecium* no.	%	*S. faecalis* var. *liquefaciens* and *synogenes* no.	%	Atypical *S. faecalis* no.	%	Enterococci no.	%	*S. bovis* and *S. equinus* no.	%	False positive no.	%
12/16/74	23	1.0×10^5	14	7	50	0	0	0	0	7	50	1	7	3	21
01/06/75	27	1.7×10^3	27	23	85	0	0	0	0	23	85	0	0	2	7
01/11/75	28	1.8×10^4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/75	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/75	30	4.4×10^4	32	4	13	0	0	0	0	4	13	5	16	22	69
02/05/75	33	6.0×10^3	35	6	17	21	60	0	0	27	77	0	0	8	23
02/12/75	35	3.6×10^4	35	22	63	0	0	0	0	22	63	0	0	13	37
03/12/75	37	1.7×10^4	35	21	60	1	3	0	0	22	63	1	3	12	34
04/03/75	40	3.1×10^4	44	16	36	0	0	0	0	16	36	4	9	24	55
04/15/75	42	1.2×10^4	44	10	23	2	5	0	0	12	27	5	11	27	61
05/01/75	44	4.1×10^4	28	12	43	0	0	1	4	13	46	2	7	13	46
05/06/75	45	1.7×10^5	46	7	15	0	0	0	0	7	15	24	52	15	33
06/11/75	49	3.0×10^5	47	27	57	1	2	0	0	28	60	1	2	18	38
06/30/75	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/75	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/75	54	1.1×10^5	49	21	43	1	2	1	2	23	47	12	24	14	29
07/27/75	56	3.7×10^5	50	47	94	0	0	0	0	47	94	0	0	1	2
08/06/75	58	1.5×10^5	47	19	40	0	0	0	0	19	40	0	0	28	60
08/13/75	59	1.1×10^4	48	30	63	0	0	0	0	30	63	0	0	18	38
09/12/75	62	1.1×10^5	50	35	70	0	0	0	0	35	70	1	2	14	28
09/18/75	64	2.0×10^5	49	11	22	1	2	1	2	13	27	6	12	30	61
Number					17		17		17		17		17		17
Mean					46.7		4.4		0.47		51.5		8.5		38.1
Standard deviation					24.3		14.4		1.1		23.5		13.1		18.9
Positive samples, %					100		35.3		17.6		100		64.7		100

ND - No Data

APPENDIX E. Physical and Chemical Characteristics

		Station A Raw sewage			Station B Herring Run			Station C Jones Falls		Station D Gwynns Falls		
Date	Run no.	pH	Temp °C	Flow l/sec	pH	Temp °C	Flow l/sec	pH	Temp °C	pH	Temp °C	Flow l/sec
07/17/74	1	ND	ND	7443	ND	ND	<28.3	ND	ND	ND	ND	184
07/23/74	2	ND	ND	6566	ND	ND	<28.3	ND	ND	ND	ND	113
07/30/74	3	ND	ND	6792	ND	ND	<28.3	ND	ND	ND	ND	1217
08/05/74	4	6.9	22	6566	7.5	23	<28.3	7.7	24	7.7	13	1132
08/12/74	5	ND	ND	6566	7.7	18	<28.3	7.6	22	6.8	20	113
09/09/74	7	7.0	26	6792	7.6	19	<28.3	7.6	19	7.7	18	1132
09/16/74	8	7.0	24	7245	7.7	19	<28.3	7.7	19	7.6	18	1047
09/23/74	9	6.8	ND	6792	7.1	15	<28.3	7.6	17	7.3	17	708
09/30/74	10	ND	23	ND	ND	15	<28.3	ND	16	ND	16	849
10/07/74	11	7.4	19	6368	7.8	14	<28.3	7.9	15	7.7	14	396
10/14/74	12	7.0	22	7245	7.8	15	<28.3	7.1	16	7.7	16	311
10/16/74	13	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND
10/21/74	14	6.8	19	6792	7.7	5	<28.3	7.1	8	7.1	5	368
10/28/74	15	7.4	20	6792	7.8	9	<28.3	7.8	9	7.8	9	452
11/04/74	16	6.4	22	7245	7.4	15	<28.3	7.5	16	7.6	15	340
11/11/74	18	7.2	20	8094	7.8	8	<28.3	7.8	10	7.6	7	509
11/18/74	20	7.3	19	5915	7.8	5	<28.3	7.8	8	7.6	5	623
12/02/74	21	7.2	15	10584	7.8	8	<28.3	7.6	8	7.3	8	8490
12/09/74	22	6.7	18	6368	7.2	6	<28.3	7.3	7	7.3	6	2490
12/17/74	24	7.4	18	8981	7.7	6	<28.3	7.8	6	7.1	8	15565
12/24/74	25	6.6	16	6572	7.7	6	<28.3	7.8	5	7.5	4	877
01/06/75	26	7.3	15	6792	7.6	1	<28.3	7.8	2	7.5	1	226
01/20/75	30	7.2	ND	9638	7.6	4	28.3	7.6	5	7.4	4	110
01/27/75	31	7.2	13	6615	7.6	5	<28.3	7.3	ND	7.5	3	1140
02/03/75	32	6.9	ND	11171	7.6	2	<28.3	7.8	3	7.6	1	332
02/17/75	34	6.8	ND	6566	7.4	10	<28.3	7.7	10	7.5	9	622
03/03/75	36	7.3	14	6566	7.9	3	<28.3	8.1	3	7.8	2	425
03/17/75	38	ND	14	8107	ND	5	608.5	ND	7	ND	5	2689
03/31/75	39	7.1	14	7011	7.8	ND	45.3	8.0	7	7.6	5	1274
04/14/75	41	6.5	13	6135	6.9	6	82.1	6.8	8	7.1	7	962
04/28/75	43	6.9	ND	6573	7.2	ND	48.1	7.3	13	7.2	7	1019
05/12/75	46	ND	ND	ND	ND	ND	36.8	ND	ND	ND	16	1274
05/19/75	47	ND	ND	7143	ND	ND	36.8	ND	ND	ND	18	792
06/10/75	48	6.7	20	6573	7.4	17	36.8	7.7	19	7.4	17	962
06/24/75	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	455
07/07/75	52	7.0	ND	ND	7.7	23	170	8.0	23	7.9	ND	ND
07/14/75	54	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
07/21/75	55	7.0	22	7886	7.9	22	85	8.0	ND	7.8	23	821
08/04/75	57	6.9	24	7886	7.7	24	43	7.9	25	7.8	26	396
08/18/75	60	ND	ND	ND	ND	23	37	ND	23	ND	23	1019
09/02/75	61	6.9	23	6572	7.3	22	37	7.1	ND	ND	ND	ND
09/16/75	63	7.0	ND	7229	7.6	ND	28	7.6	20	7.8	ND	623

ND - No Data

APPENDIX E. Physical and Chemical Characteristics

Station E Loch Raven Reservoir				Station F Stoney Run					Station G Glen Avenue		Station H Howard Park		
Date	Run no.	pH	Temp °C	Date	Run no.	pH	Temp °C	Flow l/sec	pH	Temp °C	pH	Temp °C	Flow l/sec
03/17/75	38	ND	7	11/05/74	17	6.8	ND	340	6.8	ND	6.9	ND	ND
03/31/75	39	7.8	ND	11/12/74	19	7.8	10	47	7.2	ND	7.8	ND	ND
04/14/75	41	7.2	9	12/16/74	23	6.6	9	5094	6.7	9	6.9	ND	15565
04/28/75	43	7.0	ND	01/06/75	27	7.2	3	1307	7.2	5	7.2	4	5000
05/12/75	46	ND	ND	01/11/75	28	7.2	10	<181	7.6	13	7.6	14	0
05/19/75	47	ND	ND	01/13/75	29	ND	6	<354	ND	16	ND	8	966
06/10/75	48	7.3	19	01/20/75	30	7.4	4	<283	7.6	4	7.8	3	450
06/24/75	50	ND	ND	02/05/75	33	7.5	5	<254	7.2	4	7.5	3	0
07/07/75	52	7.5	22	02/23/75	35	7.6	11	<141	7.6	12	6.8	12	700
07/14/75	54	ND	22	03/12/75	37	ND	7	463	ND	7	ND	7	450
07/21/75	55	7.8	22	04/03/75	40	7.0	ND	ND	6.7	ND	6.3	ND	ND
08/04/75	57	7.8	24	04/15/75	42	7.1	10	333	6.7	12	7.2	10	10
08/18/75	60	ND	ND	05/01/75	44	ND	ND	ND	ND	ND	ND	ND	ND
09/02/75	61	7.1	21	05/06/75	45	ND	ND	1781	ND	ND	ND	ND	ND
09/16/75	63	7.2	ND	06/11/75	49	6.6	18	420	7.1	ND	ND	ND	ND
				06/28/75	51	6.0	ND	4856	7.0	ND	6.6	ND	ND
				07/10/75	53	ND	23	6701	ND	ND	ND	ND	ND
				07/27/75	56	7.3	ND	ND	6.8	24	6.7	22	ND
				08/06/75	58	ND	23	4	ND	ND	ND	ND	ND
				08/13/75	59	ND	24	257	ND	ND	ND	24	ND
				09/12/75	62	7.1	ND	385	7.5	ND	7.3	ND	ND
				09/18/75	64	7.2	18	ND	6.9	ND	7.4	ND	ND

ND - No Data

APPENDIX E. Physical and Chemical Characteristics

		Station K Jones Falls Storm Drain			Station L Bush Street			Station M Northwood		
Date	Run no.	pH	Temp °C	Flow l/sec	pH	Temp °C	Flow l/sec	pH	Temp °C	Flow l/sec
11/05/74	17	7.2	ND	ND	6.9	ND	ND	ND	ND	ND
11/12/74	19	7 2	18	113	7.4	18	ND	ND	ND	ND
12/16/74	23	7.1	9	ND	7 1	9	ND	6 8	9	453
01/06/75	27	7.3	6	140	7.1	6	ND	7.1	5	109
01/11/75	28	7.8	14	3	6.8	13	254	7.6	12	<28.3
01/13/75	29		8	204	ND	8	ND	ND	8	71
01/20/75	30	7 6	8	58	7.4	5	ND	7.5	5	42
02/05/75	33	7.5	4	138	7.2	5	99	7 5	3	85
02/23/75	35	6.8	12	1849	7.5	15	ND	6.7	12	27
03/12/75	37	ND	9	500	ND	9	750	ND	8	65
04/03/75	40	6.4	ND	ND	6.7	14	52	6.1	13	ND
04/15/75	42	7.0	12	32	6.8	11	ND	6.9	10	340
05/01/75	44	ND	ND	200	ND	ND	536	ND	12	2377
05/06/75	45	ND	ND	20	ND	ND	ND	ND	ND	6792
06/11/75	49	6.7	20	50	6.7	ND	87	6 6	ND	1019
06/28/75	51	6.9	ND	8500	6.8	ND	ND	6.7	ND	ND
07/10/75	53	ND	23	1900	ND	ND	ND	ND	ND	ND
07/27/75	56	7 0	ND	ND	6.7	22	71	6.7	22	14
08/06/75	58	ND	25	925	ND	23	0	ND	23	28
08/13/75	59	ND	ND	48	ND	24	ND	ND	23	42
09/12/75	62	7.1	ND	925	6.9	ND	190	7.1	ND	113
09/18/75	64	6.8	21	ND	6.9	ND	0	7.4	ND	57

ND - No Data

APPENDIX F. Frequency of Detection of *Salmonella* and Animal Virus with the Levels of Fecal Coliforms.

Fecal Coliform	*Salmonella*				Animal Virus			
Range MPN/10*l*	No. of Samples	No. of Samples Positive	% Positive	Genetic Mean MPN/10*l*	No. of Samples	No. of Samples Positive	% Positive	Genetic Mean PFU/10*l*
0 - 14	7	0	0	LSL	2	1	50	11.2
15 - 200	10	5	50	1.5	8	4	50	7.9
201 - 400	6	4	67	4.5	2	2	100	79.4
401 - 1,000	12	16	94	9.3	3	5	60	8.7
1,001 - 2,000	23	21	91	8.1	7	6	86	126.0
2,001 - 10,000	35	33	94	12.4	20	15	75	56.9
>10,000	175	169	97	83.9	79	65	82	95.5

GLOSSARY

background samples: Water samples collected on a routine basis, regardless of rainfall to obtain background information on the microbiol levels in the urban aquatic environment. In this study, the background samples consisted of raw sewage, a reservoir and three urban streams.

bleeder: Intentional sanitary sewage overflow from sewage interceptors. The overflows are diverted directly or indirectly into the storm drainage system.

combined sewer: A sewer intended to receive both wastewater and storm or surface runoff.

dry weather flow: The flow in storm or sanitary sewers that contains no stormwater.

enterococci: Members of the fecal streptococcal group containing the species *S faecalis* and *s. faecium.*

F.C.: fecal coliform

first flush: The initial portion of a storm or combined sewer discharge.

F.S.: fecal streptococci

grab sample: A single sample collected at neither a set time or flow.

MPN: Most probable number - that number of microorganisms per unit volume that, in accordance with stastical theory, would be more likely than any other number to yield the observed test result. The MPN is generally computed from the number of positive findings from a multiple - portion - decimal dilution planting.

stormwater: The water resulting from a precipitation event which may stay on the land surface, percolate into the ground, runoff into a body of water, enter a storm sewer or enter a combined sewer, infiltrate a sanitary sewer or evaporate.

stormwater runoff: The stormwater which flows overland.

T.C: Total coliform

urban stream: A course of running water flowing in a particular direction in definite channel through an urban area and discharging into some other stream or body of water.

urban runoff: The stormwater runoff which flow overland through urban areas.

GLOSSARY

background samples: Water samples collected on a routine basis, regardless of rainfall to obtain background information on the microbiol levels in the urban aquatic environment. In this study, the background samples consisted of raw sewage, a reservoir and three urban streams.

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first flush: The initial portion of a storm or combined sewer discharge.

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grab sample: A single sample collected at neither a set time or flow.

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stormwater runoff: The stormwater which flows overland.

T.C: Total coliform

urban stream: A course of running water flowing in a particular direction in definite channel through an urban area and discharging into some other stream or body of water.

urban runoff: The stormwater runoff which flow overland through urban areas.