APPENDIX A

Floyds Fork Sampling Locations,
Type Sampling and Date Sampled

Site No:	12025001	Type Sampling:	Biological, Physicochemical Bulk Sediment
Stream:	Floyds Fork		
County:	Bullitt		
Location:	1.0 stream mile above KY 44 bridge		
Latitude:	38° 00' 35"		
Longitude:	85° 40' 57"		
Stream Order:	V		
USGS Topo Quad:	Brooks, KY		
DOW Map No.	13-35		
MP:	1.4		
Sampling Dates:	9-November-81		

Site No:	12025002	Type Sampling:	Biological, Physicochemical
Stream:	Floyds Fork		
County:	Jefferson		
Location:	at ford on Fairmount Rd.		
Latitude:	38° 05' 14"		
Longitude:	85° 32' 43"		
Stream Order:	V		
USGS Topo Quad:	Mount Washington, KY		
DOW Map No.	13-36		
MP:	21.02		
Sampling Dates:	10-November-81, 12-November-81		

Site No:	12026001	Type Sampling:	Biological, Physicochemical Bulk Sediment
Stream:	Chenoweth Run		
County:	Jefferson		
Location:	at Seatonville Rd. Bridge		
Latitude:	38° 07' 57"		
Longitude:	85° 31' 29"		
Stream Order:	III		
USGS Topo Quad:	Jeffersontown, KY		
DOW Map No.	14-36		
MP:	0.2		
Sampling Dates:	10-November-81, 16-November-81		

Site No:	12027001	Type Sampling:	Biological, Physicochemical
Stream:	Floyds Fork		
County:	Jefferson		
Location:	off Pope Lick Rd., 1.5 mi. south of confluence w/Pope Lick Creek		
Latitude:	38° 11' 09"		
Longitude:	85° 29' 30"		
Stream Order:	V		
USGS Topo Quad:	Fisherville, KY		
DOW Map No.	14-37		
MP:	31.1		
Sampling Dates:	10-November-81		

Floyds Fork Sampling Locations,
Type Sampling and Date Sampled

Site No:	12028001	Type Sampling:	Biological, Physicochemical
Stream:	Floyds Fork		
County:	Oldham-Shelby line		
Location:	just south of KY 1408 bridge		
Latitude:	38° 17' 42"		
Longitude:	85° 25' 29"		
Stream Order:	V		
USGS Topo Quad:	Crestwood, KY		
DOW Map No.	15-37		
MP:	50.7		
Sampling Dates:	11 & 12-November-81		

Site No:	12028002	Type Sampling:	Biological, Physicochemical Bulk Sediment
Stream:	Currys Fork		
County:	Oldham		
Location:	at KY 1408 Bridge		
Latitude:	38° 18' 27"		
Longitude:	85° 27' 03"		
Stream Order:	IV		
USGS Topo Quad:	Crestwood, KY		
DOW Map No.	15-37		
MP:	0.4		
Sampling Dates:	11-November-81		

Site No:	12028003	Type Sampling:	Biological, Physicochemical
Stream:	North Fk. Currys Fork		
County:	Oldham		
Location:	at KY 393 bridge		
Latitude:	38° 22' 38"		
Longitude:	85° 25' 39"		
Stream Order:	III		
USGS Topo Quad:	LaGrange, KY		
DOW Map No.	16-37		
MP:	6.7		
Sampling Dates:	17-November-81		

APPENDIX B

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-1

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
May 7, 1975	7,500	11,000	7,400	1.5
May 22, 1975	1,100	650	90	7.2
June 4, 1975	10,000	1,300	880	1.5
June 18, 1975	-	760	-	-
July 9, 1975	35,000	110	100	1.1
Aug. 6, 1975	20,000	40	390	0.1
Aug. 20, 1975	2,000	20	700	0.0
Sept. 10, 1975	16,000	150	100	1.5
Sept. 24, 1975	1,000	370	120	3.1
Oct. 9, 1975	10,000	7,000	1,100	6.4
Oct. 22, 1975	4,200	1,200	940	1.3
Nov. 6, 1975	1,100	140	10	14.0
Nov. 19, 1975	900	360	100	3.6
Jan. 14, 1976	14,000	8,000	5,000	1.6
Jan. 28, 1976	2,400	90	100	0.9
Feb. 12, 1976	1,600	70	20	3.5
Feb. 25, 1976	800	50	160	0.3
Mar. 10, 1976	2,800	10	20	0.5
Mar. 24, 1976	4,200	2,600	460	5.7
Apr. 8, 1976	900	450	310	1.5
Apr. 21, 1976	100	30	20	1.5
Mar. 6, 1976	300	40	70	0.6
May 26, 1976	3,600	2,000	600	3.3
June 9, 1976	7,000	530	160	3.3
June 23, 1976	14,000	4,000	4,000	1.0
July 14, 1976	3,600	400	40	10.0
July 28, 1976	1,800	1,200	110	10.9
Aug. 11, 1976	800	280	0	-
Aug. 25, 1976	10,000	320	20	16.0
Sept. 15, 1976	-	180	-	-
Sept. 29, 1976	4,500	780	200	3.9
Oct. 13, 1976	6,300	9	82	0.1
Nov. 3, 1976	50,000	2,300	-	-
Nov. 18, 1976	K400,000	18	55	0.3
Dec. 14, 1976	280	45	45	1.0
Feb. 16, 1977	1,600	490	280	1.7
Mar. 2, 1977	300	130	9	14.4
Mar. 16, 1977	15,000	3,000	99	30.3
Apr. 7, 1977	1,900	1,900	320	5.9

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-1

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
Apr. 20, 1977	100	100	27	3.7
May 4, 1977	2,100	160	370	0.4
May 18, 1977	800	240	90	2.7
June 22, 1977	530	530	210	2.5
July 13, 1977	6,000	450	590	0.8

K = actual value less than given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-1

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
July 27, 1977	28,000	1,100	2,100	0.5
Sept. 21, 1977	2,000	1,100	2,000	0.5
Oct. 26, 1977	L200,000	L200,000	L200,000	-
Nov. 16, 1977	50,000	50,000	11,000	4.5
Dec. 29, 1977	15,000	90	9	10.0
Apr. 24, 1979	63,000	450	63,000	0.0
Aug. 7, 1979	3,700	45	420	0.1
Oct. 24, 1979	3,800	230	450	0.5
Apr. 9, 1980	500	54	45	1.2
July 23, 1980	50,000	L200,000	6,300	-
Oct. 22, 1980	3,000	110	130	0.8
Mar. 26, 1981	310	18	K 9	-
Nov. 18, 1981	150	18	27	0.7
Feb. 24, 1982	220	63	30	2.1
Mar. 24, 1982	350	130	18	7.2

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-2

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
May 7, 1975	5,000	5,400	790	6.8
May 22, 1975	930	390	200	1.9
June 4, 1975	65,000	700	540	1.3
July 9, 1975	27,000	340	100	3.4
Aug. 6, 1975	34,000	1,700	4,800	0.4
Aug. 20, 1975	1,300	250	600	0.4
Sept. 10, 1975	1,800	200	300	0.7
Sept. 24, 1975	7,000	6,000	1,700	3.5
Oct. 9, 1975	9,600	3,000	520	5.8
Oct. 22, 1975	2,400	700	500	1.4
Nov. 6, 1975	500	110	50	2.2
Nov. 19, 1975	500	400	10	40.0
Jan. 14, 1976	20,000	4,000	5,000	0.8
Jan. 28, 1976	2,800	500	140	3.6
Feb. 12, 1976	200	30	K 2	-
Feb. 25, 1976	1,200	340	120	2.8
Mar. 10, 1976	2,900	40	K 2	-
Mar. 24, 1976	3,000	1,800	400	4.5
Apr. 8, 1976	500	40	30	1.3
Apr. 21, 1976	1,100	180	900	0.2
Mar. 6, 1976	600	70	150	0.5
May 26, 1976	800	400	720	0.6
June 9, 1976	4,300	320	520	0.6
June 23, 1976	2,200	920	640	1.4
July 14, 1976	1,000	160	160	1.0
July 28, 1976	1,000	1,000	500	2.0
Aug. 11, 1976	4,100	1,300	80	16.2
Aug. 25, 1976	6,000	180	20	9.0
Sept. 15, 1976	-	150	-	-
Sept. 29, 1976	13,000	490	470	1.0
Oct. 13, 1976	6,800	27	K 9	-
Nov. 3, 1976	56,000	1,300	-	-
Nov. 18, 1976	400,000	9	K 9	-
Dec. 14, 1976	36	K 9	18	-
Feb. 16, 1977	3,400	750	220	3.4
Mar. 2, 1977	130	27	18	1.5
Mar. 16, 1977	500	200	45	4.4
Apr. 7, 1977	2,100	1,900	470	4.0
Apr. 20, 1977	240	140	K 9	-
May 4, 1977	510	4,300	3,700	1.2
May 18, 1977	1,200	120	150	0.8
June 22, 1977	3,000	1,400	280	5.0
July 13, 1977	L200,000	1,200	6,100	0.2

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-2

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
July 27, 1977	2,100	480	780	0.6
Sept. 21, 1977	2,000	260	920	0.3
Oct. 26, 1977	44,000	26,000	110,000	0.2
Nov. 16, 1977	60,000	43,000	35,000	1.2
Dec. 29, 1977	1,500	36	-	-
Apr. 24, 1979	81,000	33,000	5,200	6.3
Aug. 7, 1979	4,200	150	560	0.3
Oct. 24, 1979	600	180	400	0.4
Apr. 9, 1980	300	36	18	2.0
July 23, 1980	73,000	3,700	5,400	0.7
Oct. 22, 1980	560	45	200	0.2
Mar. 26, 1981	80	K 9	K 9	-
Nov. 18, 1981	72	K 9	K 9	-
Feb. 24, 1982	150	36	40	-
Mar. 24, 1982	340	160	18	-
July 20, 1982	35,000	50,000	200,000	-
Oct. 19, 1982	310	9	90	0.1

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-3

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
May 7, 1975	12,000	7,800	3,400	2.3
May 22, 1975	1,500	190	160	1.2
June 4, 1975	-	900	490	1.8
June 18, 1975	28,000	460	500	0.9
July 9, 1975	28,000	5,200	5,600	0.9
Aug. 6, 1975	21,000	6,100	5,600	1.1
Aug. 20, 1975	4,000	120	600	0.2
Sept. 10, 1975	6,000	1,200	3,000	0.4
Sept. 24, 1975	10,000	8,000	730	11.0
Oct. 9, 1975	6,400	800	240	3.3
Oct. 22, 1975	1,000	630	20	31.5
Nov. 6, 1975	1,400	510	20	25.5
Jan. 14, 1976	20,000	8,000	1,800	4.4
Jan. 28, 1976	20,000	7,000	580	12.1
Feb. 12, 1976	600	90	140	0.6
Feb. 25, 1976	2,200	200	50	4.0
Mar. 10, 1976	3,200	200	K 2	-
Mar. 24, 1976	12,000	1,700	80	21.2
Apr. 8, 1976	20,000	4,000	120	33.3
Apr. 21, 1976	1,900	100	70	1.4
Mar. 6, 1976	2,000	80	10	8.0
May 26, 1976	6,000	980	600	1.6
June 9, 1976	12,000	10,000	520	-
June 23, 1976	15,000	14,000	3,000	4.7
July 14, 1976	2,000	60	100	0.6
July 28, 1976	1,300	880	490	1.8
Aug. 11, 1976	200	120	50	2.4
Aug. 25, 1976	18,000	400	80	5.0
Sept. 15, 1976	-	180	-	-
Sept. 29, 1976	70,000	2,100	640	3.3
Oct. 13, 1976	66,000	170	K 9	-
Nov. 3, 1976	72,000	5,400	-	-
Nov. 16, 1976	400,000	170	28	6.1
Dec. 14, 1976	200	36	K 9	-
Feb. 16, 1977	3,600	1,400	81	17.3
Mar. 2, 1977	63	K 9	45	-
Mar. 16, 1977	3,200	120	18	6.7
Apr. 7, 1977	48,000	35,000	270	0.0
Apr. 20, 1977	320	320	K 9	-
May 4, 1977	4,000	4,500	6,000	0.7
May 18, 1977	2,800	650	580	1.1
June 22, 1977	5,000	2,000	2,100	1.0
July 13, 1977	8,000	1,900	600	3.2
July 27, 1977	35,000	2,000	600	3.3

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-3

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
Sept. 21, 1977	6,500	230	720	0.3
Oct. 26, 1977	L200,000	40,000	49,000	0.8
Nov. 16, 1977	L200,000	25,000	9,100	2.7
Dec. 29, 1977	3,900	18	18	1.0
Apr. 24, 1979	110,000	25,000	5,000	5.0
Aug. 7, 1979	2,800	200	260	0.8
Oct. 24, 1979	3,900	270	340	0.8
Apr. 9, 1980	200	36	9	4.0
July 23, 1980	L200,000	5,000	3,600	1.4
Oct. 22, 1980	500	9	90	0.1
Mar. 26, 1981	200	K 9	K 9	-
Nov. 18, 1981	300	300	120	2.5
Feb. 24, 1982	180	45	K 9	-
Mar. 24, 1982	310	72	9	8.0
July 20, 1982	40,000	570	4,300	0.1
Oct. 19, 1982	160	81	120	0.7

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-4

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
May 7, 1975	2,400	300	140	2.1
May 22, 1975	2,500	610	230	2.7
June 4, 1975	-	620	580	1.1
June 18, 1975	-	7,000	-	-
July 9, 1975	28,000	44	400	0.1
Aug. 6, 1975	6,100	1,500	11,700	0.1
Aug. 20, 1975	900	200	400	0.5
Sept. 10, 1975	3,100	50	100	0.5
Sept. 24, 1975	2,000	590	270	2.2
Oct. 9, 1975	14,000	8,000	610	13.1
Oct. 22, 1975	3,900	560	510	1.1
Nov. 6, 1975	800	90	100	0.9
Nov. 19, 1975	700	90	10	9.0
Jan. 14, 1976	20,000	2,600	3,000	0.9
Jan. 28, 1976	20,000	2,000	550	3.6
Feb. 12, 1976	400	10	10	1.0
Feb. 25, 1976	1,800	1,000	460	2.2
Mar. 10, 1976	5,400	460	20	23.0
Mar. 24, 1976	2,000	1,600	370	4.3
Apr. 8, 1976	400	130	10	13
Apr. 21, 1976	300	70	90	0.8
Mar. 6, 1976	200	40	40	1.0
May 26, 1976	300	80	200	0.4
June 9, 1976	6,400	350	260	1.3
June 23, 1976	12,000	1,600	760	2.1
July 14, 1976	2,400	560	90	6.2
July 28, 1976	1,800	800	300	2.7
Aug. 11, 1976	4,400	840	90	9.3
Aug. 25, 1976	7,600	10	20	0.5
Sept. 15, 1976	-	300	-	-
Sept. 29, 1976	77,000	2,300	1,200	1.9
Oct. 13, 1976	13,000	99	55	1.8
Nov. 3, 1976	63,000	2,100	380	5.5
Nov. 18, 1976	L400,000	9	16	0.6
Dec. 14, 1976	18	9	18	0.5
Feb. 16, 1977	3,400	460	320	1.4
Mar. 2, 1977	99	63	120	0.5
Mar. 16, 1977	1,300	110	36	3.1
Apr. 7, 1977	19,000	5,000	590	8.5
Apr. 20, 1977	45	45	90	0.5
May 4, 1977	480	280	180	1.6
May 18, 1977	1,100	200	250	0.8
June 22, 1977	30,000	1,600	450	3.6
July 13, 1977	19,000	1,300	3,000	0.4

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-4

Source - Floyds Fork

Date	TC	FC	FS	FC/FS
July 27, 1977	1,200	600	950	0.6
Sept. 21, 1977	3,000	290	770	0.4
Oct. 26, 1977	130,000	38,000	160,000	0.2
Nov. 16, 1977	600	410	150	2.7
Dec. 29, 1977	2,200	9	27	0.3
Apr. 24, 1979	5,000	L200,000	2,000	-
Aug. 7, 1979	4,300	410	620	0.7
Oct. 24, 1979	4,600	450	880	0.5
Apr. 9, 1980	99	9	K 9	-
July 23, 1980	65,000	2,600	5,100	0.5
Oct. 22, 1980	450	27	30	0.9
Mar. 26, 1981	160	18	18	1.0
Nov. 18, 1981	90	K 9	K 9	-
Feb. 24, 1982	100	K 9	30	-
Mar. 24, 1982	420	210	63	3.3
July 20, 1982	L200,000	L200,000	L200,000	-
Oct. 19, 1982	240	9	72	0.1

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-5

Source - Cedar Creek

Date	TC	FC	FS	FC/FS
May 7, 1975	2,300	500	70	7.1
May 22, 1975	1,200	130	110	1.2
June 4, 1975	-	990	1,600	0.6
July 9, 1975	53,000	300	600	0.5
Aug. 6, 1975	4,400	1,200	5,200	0.2
Aug. 20, 1975	10,000	5,100	5,400	0.9
Sept. 10, 1975	2,100	640	100	6.4
Sept. 24, 1975	10,000	4,000	1200	3.3
Oct. 9, 1975	6,000	5,000	930	5.4
Oct. 22, 1975	3,400	540	300	1.8
Nov. 6, 1975	1,000	60	60	1.0
Nov. 19, 1975	500	80	90	0.9
Jan. 14, 1976	4,000	30	3,000	0.0
Jan. 28, 1976	3,700	410	220	1.9
Feb. 12, 1976	2,000	80	50	1.6
Feb. 25, 1976	4,400	100	80	1.2
Mar. 10, 1976	7,000	700	260	2.7
Mar. 24, 1976	1,200	200	60	3.3
Apr. 8, 1976	2,600	140	1,300	0.1
Apr. 21, 1976	1,400	K 10	20	-
May 6, 1976	300	40	10	4.0
June 9, 1976	11,000	1,100	200	5.5
June 23, 1976	10,000	2,000	2,000	1.0
July 14, 1976	1,600	370	520	0.7
July 28, 1976	2,500	590	650	0.9
Aug. 25, 1976	17,000	160	220	0.7
Sept. 15, 1976	-	140	-	-
Sept. 29, 1976	44,000	960	640	1.5
Oct. 13, 1976	22,000	130	160	0.8
Nov. 3, 1976	43,000	950	-	-
Nov. 16, 1976	400,000	160	80	2.0
Dec. 14, 1976	550	45	63	0.7
Feb. 16, 1977	1,100	27	9	-
Mar. 2, 1977	110	18	9	2.0
Mar. 16, 1977	490	200	27	7.4
Apr. 7, 1977	4,800	300	99	3.0
Apr. 20, 1977	360	360	45	8
May 4, 1977	790	950	350	2.7
May 18, 1977	1,400	45	440	0.1
June 22, 1977	26,000	2,800	3,200	0.9
July 13, 1977	6,000	730	970	0.8
July 27, 1977	6,700	420	1,000	0.4
Sept. 21, 1977	2,000	190	460	0.4

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-5

Source - Cedar Creek

Date	TC	FC	FS	FC/FS
Oct. 26, 1977	56,000	22,000	68,000	0.3
Nov. 16, 1977	23,000	3,300	880	3.7
Dec. 29, 1977	150,000	380	480	0.8
Apr. 24, 1979	3,500	3,500	540	6.5
Aug. 7, 1979	3,700	340	870	0.4
Oct. 24, 1979	2,700	150	350	0.4
Apr. 9, 1980	240	K 9	K 9	-
July 23, 1980	36,000	3,700	5,500	0.7
Oct. 22, 1980	390	K 9	150	-
Mar. 26, 1981	200	18	K 9	-
Nov. 18, 1981	260	160	160	1.0
Feb. 24, 1982	4,600	45	30	1.5
Mar. 24, 1982	350	27	27	1.0
July 20, 1982	47,000	570	3,300	0.2

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-6

Source - Pennsylvania Run

Date	TC	FC	FS	FC/FS
May 7, 1975	5,000	1,000	110	9.0
May 22, 1975	2,100	290	650	0.4
June 4, 1975	-	8,800	570	15.4
June 18, 1975	55,000	-	-	-
July 9, 1975	25,000	190	800	0.2
Aug. 6, 1975	4,000	1,800	3,200	0.6
Aug. 20, 1975	9,900	2,000	2,800	0.7
Sept. 10, 1975	18,500	320	400	0.8
Sept. 24, 1975	8,000	5,000	3,500	1.4
Oct. 9, 1975	5,200	460	380	1.2
Oct. 22, 1975	1,000	340	150	2.2
Nov. 6, 1975	800	100	70	1.4
Nov. 19, 1975	400	70	40	1.7
Dec. 14, 1976	27	9	K 9	-
Feb. 16, 1977	1,400	350	110	3.1
Mar. 2, 1977	160	45	27	1.7
Mar. 16, 1977	870	99	18	5.5
Apr. 7, 1977	500	230	45	5.1
Apr. 20, 1977	280	18	63	0.3
May 4, 1977	950	750	480	1.6
May 18, 1977	1,300	170	280	0.6
June 22, 1977	190	190	160	1.2
July 13, 1977	3,000	300	90	3.3
July 27, 1977	2,100	470	690	0.7
Sept. 21, 1977	570	160	840	0.2
Oct. 26, 1977	23,000	2,800	56,000	0.1
Nov. 16, 1977	13,000	750	180	4.2
Dec. 29, 1977	4,000	9	27	0.3
Apr. 24, 1979	4,100	600	2,200	0.3
Aug. 7, 1979	2,400	150	370	0.4
Oct. 24, 1979	500	190	200	0.9
Apr. 9, 1980	200	27	K 9	-
July 23, 1980	41,000	3,300	2,400	1.4
Oct. 22, 1980	3,000	54	220	0.2
Mar. 26, 1981	80	18	18	1.0
Nov. 18, 1981	200	18	410	-
Feb. 24, 1982	100	K 9	K 9	-
Mar. 24, 1982	390	170	18	9.4
Jul. 20, 1982	31,000	460	3,700	0.1

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-6

Source - Pennsylvania Run

Date	TC	FC	FS	FC/FS
Jan. 14, 1976	8,000	4,000	360	11.1
Jan. 28, 1976	1,600	140	160	0.9
Feb. 12, 1976	3,000	500	60	8.3
Feb. 25, 1976	12,000	2,200	320	6.9

K = actual value less than value given
L = actual value greater than value given

Louisville and Jefferson County Department of Public Health Bacteriological Data

Station JCHD-6

Source - Pennsylvania Run

Date	TC	FC	FS	FC/FS
Mar. 6, 1976	1,000	120	100	1.2
Mar. 10, 1976	9,800	500	20	25.0
Mar. 24, 1976	1,400	1,000	700	1.4
Apr. 8, 1976	500	440	100	4.4
Apr. 21, 1976	600	K 10	40	-
May 26, 1976	1,000	40	110	0.4
June 9, 1976	2,700	230	240	1.0
June 23, 1976	3,500	1,000	1,300	0.8
Jul. 14, 1976	1,600	60	400	0.1
Jul. 28, 1976	4,000	800	260	3.0
Aug. 11, 1976	1,000	620	70	8.8
Aug. 25, 1976	7,200	120	10	12
Sept. 15, 1976	-	180	-	-
Sept. 29, 1976	96,000	690	760	0.9
Oct. 13, 1976	30,000	140	18	7.7
Nov. 3, 1976	38,000	1,300	-	-
Nov. 16, 1976	L400,000	340	9	3.7

K = actual value less than value given
L = actual value greater than value given

APPENDIX C

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Chlorophycophyta (Green Algae)							
Ankistrodesmus falcatus	X	X	X	X	X	X	X
A. falcatus var. mirabilis	-	X	-	-	-	-	-
Carteria sp.	X	-	-	X	-	-	-
Chlamydomonas sp.	X	X	X	X	X	-	X
Cladophora fracta	-	-	X	-	X	-	-
C. glomerata	X	X	X	X	X	X	X
Closterium acerosum	X	X	X	-	-	-	-
Cl. moniliferum	X	X	X	X	-	X	-
Cl. venus	X	X	X	X	-	X	-
Cl sp. 2	X	-	-	-	-	-	-
Coelastrum sphaericum	X	-	X	X	-	X	-
Cosmarium spp.	X	X	X	X	-	X	-
Crucigenia apiculata	-	-	-	-	-	X	-
Cylindrocapsa conferta	X	-	-	-	-	-	-
Dictyosphaerium pulchellum	-	-	-	-	-	X	-
Euastrum sp.	-	-	-	-	-	X	-
Eudorina elegans	-	-	-	-	-	X	-
Gleocystis vesiculosa	-	-	X	-	-	-	-
Gongrosira debaryana	-	-	X	-	-	-	-
Gonium sociale	-	-	-	-	-	X	-
Kirchneriella sp.	-	-	-	-	-	X	-
Microthamnion kuetzingianum	-	-	-	X	-	-	-

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Mougeotia spp.	X	X	-	X	X	X	-
Oedogonium spp.	X	X	X	X	X	X	-
Oocystis elliptica	-	-	-	-	-	X	-
Pandorina morum	-	-	X	-	-	-	-
Pediastrum boryanum	-	X	-	X	-	X	-
P. duplex	-	-	X	X	-	-	-
P. integrum	-	X	X	-	-	X	-
P. tetras	-	-	X	-	-	X	-
Penium margaritaceum	-	X	-	-	-	-	-
Protococcus viridis	-	-	X	-	-	X	-
Scenedesmus spp.	-	X	-	X	-	X	-
Sc. abundans	-	-	X	X	-	X	X
Sc. abundans var. asymmetrica	-	X	-	-	-	-	-
Sc. acuminatus	-	-	X	X	-	X	-
Sc. arcuatus var. platydisca	-	-	X	X	-	X	-
Sc. armatus	-	-	-	X	-	-	-
Sc. armatus var. bicaudatus	-	-	-	X	-	-	-
Sc. bijuga	-	-	X	X	-	X	X
Sc. denticulatus	X	-	-	-	-	X	-
Sc. dimorphus	-	X	X	-	X	X	-
Sc. incrassatulus	-	X	X	-	-	-	-
Sc. longus var. naegelii	-	X	-	-	-	-	-
Sc. obliquus	-	-	X	-	-	X	-

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Sc. opoliensis	-	X	-	X	-	-	-
Sc. opoliensis var. contacta	-	-	-	X	-	-	-
Sc. quadricauda	X	-	X	X	-	X	X
Sc. quadricauda var. alternans	-	-	-	-	-	X	-
Sc. quadricauda var. maximus	-	-	-	X	-	X	-
Sc. quadricauda var. quadrispina	X	-	-	-	-	-	-
Sc. quadricauda var. westii	-	-	X	X	-	-	-
Spirogyra spp.	-	-	-	X	X	X	-
Staurastrum sp.	-	-	X	-	-	-	-
S. chaetocerus	-	-	-	-	-	X	-
Stigeoclonium lubricum	-	X	X	X	-	-	-
Tetraedron muticum	-	-	-	-	-	X	-
Tetraspora gelatinosa	-	-	X	-	-	-	-
Ulothrix variabilis	-	-	-	-	-	X	-
U. zonata	-	-	X	-	-	-	-
unidentified green algal flagellates	X	-	X	-	X	X	-
Chrysophycophyta							
Chrysophysae (Golden Algae)							
Mallomonas sp.	-	-	-	X	X	X	-
Bacillariophyceae (Diatoms)							
Achnanthes spp.	X	X	X	-	X	X	X
A. affinis	-	-	-	-	X	-	-
A. detha	-	-	-	-	X	-	-

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
A. hauckiana	-	X	-	-	X	-	-
A. hungarica	-	-	X	X	X	X	-
A. lanceolata	-	X	-	X	X	X	X
A. linearis	-	X	-	X	X	-	-
A. minutissima	X	X	X	X	X	X	X
Amphipleura pellucida	X	X	-	X	X	X	-
Amphora ovalis	-	X	X	X	-	-	X
Am. perpusilla	X	X	-	X	X	X	-
Am. submontana	X	-	X	X	X	X	X
Am. veneta	X	X	X	X	X	X	X
Aulacosira sp.	-	-	-	-	-	X	X
Aul. distans var. alpigena	-	-	-	X	-	-	-
Bacillaria paradoxa	X	-	-	-	-	-	-
Biddulphia laevis	X	X	X	-	-	-	-
Caloneis sp.	-	-	-	-	-	X	-
C. bacillum	X	X	X	X	X	X	-
C. lewisii var. inflata	-	-	-	-	-	X	X
C. ventricosa var. alpina	-	-	-	X	X	-	-
Cocconeis pediculus	X	X	X	X	X	X	X
Coc. placentula var. euglypta	X	X	X	X	X	X	X
Coc. placentula var. lineata	X	X	X	X	X	X	X
Cyclotella meneghiniana	X	X	X	X	X	X	X
Cyc. stelligera	-	-	-	X	-	-	-

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Cymatopleura elliptica	X	X	X	-	-	X	X
Cy. elliptica var. constricta	-	X	-	-	-	-	-
Cy. solea	X	X	-	X	X	X	X
Cy. solea var. regula?	-	-	-	-	X	-	X
Cymbella sp.	X	-	X	-	-	X	-
Cym. affinis	X	X	X	X	X	X	-
Cym. minuta	X	X	X	X	X	X	X
Cym. prostrata	X	X	X	X	X	X	-
Cym. prostrata var. auerswaldii	-	X	-	X	-	X	-
Cym. sinuata	X	X	X	X	X	X	X
Cym. triangulum	X	-	X	-	-	-	-
Cym. tumida	X	X	X	X	-	X	-
Cym. tumidula	X	X	X	X	X	X	-
Diatoma vulgaris	X	X	X	X	-	X	-
Diploneis pseudovalis	-	-	-	X	-	X	X
Diploneis sp. 2	X	-	X	-	X	X	X
Entomoneis ornata	-	-	-	-	X	-	-
Epithemia sorex	-	-	-	X	-	-	-
Eunotia curvata	X	-	-	X	X	-	-
E. incisa	-	-	-	X	-	-	-
Fragillaria sp.	-	-	-	X	-	-	-
F. capucina var. mesolepta	-	-	-	X	-	X	X
F. crotonensis	-	X	X	X	-	X	X

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
F. pinnata var. lancettula	-	-	-	-	-	X	-
F. vaucheriae	X	X	X	X	-	X	X
Frustulia rhomboides var. amphipleuroides	-	-	-	X	X	-	-
Fr. vulgaris	X	-	-	X	-	-	-
Gomphonema spp.	X	X	X	X	X	X	X
G. acuminatum	-	-	-	X	X	X	-
G. acuminatum var. pusillum	-	-	-	-	X	-	-
G. affine	X	X	X	-	-	-	-
G. angustatum	X	X	X	X	X	X	X
G. brasiliense	X	X	-	X	X	-	-
G. clevei	X	X	X	X	X	X	-
G. dichotomum	-	-	-	-	-	X	X
G. gracile	-	-	-	-	X	X	X
G. grunowii	-	-	-	X	X	X	X
G. intricatum var. vibrio	X	-	-	-	X	X	-
G. manubrium	-	-	-	X	-	-	-
G. olivaceum	X	X	-	X	-	-	X
G. parvulum	X	X	X	X	X	X	X
G. cf semiapertum	-	-	-	-	-	X	-
G. sphaerophorum	-	-	-	X	X	X	-
G. subclavatum var. mexicanum	-	X	X	X	X	X	X
G. cf. subtile	-	-	-	-	X	X	-

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
G. truncatum	X	X	-	X	X	X	X
Gyrosigma acuminatum	X	-	X	X	-	-	X
Gy. scalproides	X	X	-	X	X	X	X
Gy. spencerii	X	X	X	X	X	X	X
Hantzschia amphioxys f. capitata	-	X	-	-	X	-	X
Melosira varians	X	X	X	X	X	X	-
Meridion circulare	-	-	X	-	-	-	X
Navicula spp.	X	X	X	X	X	X	X
Nav. accomoda	-	X	X	-	-	-	-
Nav. anglica var. subsalsa	X	-	-	X	X	-	-
Nav. capitata	X	X	X	X	-	-	X
Nav. capitata var. hungarica	-	-	-	-	X	-	-
Nav. cincta	-	-	-	-	X	X	X
Nav. confervacea	-	-	X	X	-	X	-
Nav. cryptocephala	X	X	X	X	-	X	-
Nav. cryptocephala var. veneta	X	-	-	X	X	X	X
Nav. cuspidata	-	X	X	X	X	-	-
Nav. gottlandica	X	-	X	X	X	X	-
Nav. graciloides	-	-	-	-	X	X	X
Nav. gysingensis	-	-	-	-	X	-	-
Nav. heufleri var. leptocephala	-	X	-	X	-	X	X
Nav. hustedtii	X	X	X	X	X	-	-
Nav. menisculus var. upsaliensis	-	-	-	X	X	X	X

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Nav. mucicoloides	-	X	X	-	-	-	-
Nav. mutica	X	X	X	X	-	-	-
Nav. mutica var. undulata	-	-	-	X	-	-	-
Nav. placenta var. rostrata	-	-	-	X	-	-	-
Nav. pupula	-	-	X	-	-	-	-
Nav. pupula var. elliptica	-	X	-	-	-	-	-
Nav. pupula var. rectangularis	-	-	-	X	-	-	-
Nav. radiosa var. parva	X	X	-	X	X	X	-
Nav. radiosa var. tenella	X	X	X	X	X	X	X
Nav. rhynchocephala	X	X	X	X	X	X	X
Nav. rhynchocephala var. germanii	X	-	-	-	-	X	X
Nav. salinarum var. intermedia	X	X	X	X	X	X	X
Nav. schroeteri var. escambia	X	-	-	X	-	X	-
Nav. secreta var. apiculata	X	X	-	X	-	-	-
Nav. symmetrica	X	X	X	X	X	X	X
Nav. tenera	-	-	-	X	-	-	-
Nav. texana	X	-	-	-	-	-	-
Nav. tripunctata	X	X	X	X	X	X	X
Nav. tripunctata var. schizonemoides	X	-	-	-	-	-	-
Nav. viridula var. linearis	-	-	-	X	X	-	-
Neidium dubium	-	X	-	-	-	-	-
N. dubium var. productum	-	X	-	-	-	-	-
Nitzschia spp.	X	X	X	X	X	-	X

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Nit. amphibia	X	X	X	X	-	X	X
Nit. apiculata	X	-	X	X	X	X	X
Nit. calida	X	-	-	X	-	X	X
Nit. chasei	-	-	-	X	-	X	X
Nit. clausii	X	-	-	-	-	-	-
Nit. coarctata	X	X	-	X	-	-	-
Nit. denticula	X	-	-	-	X	X	-
Nit. dissipata	X	X	X	X	X	X	X
Nit. filiformis	X	X	X	-	-	X	-
Nit. fonticola	X	X	X	X	X	X	X
Nit. frustulum	-	-	X	-	-	-	-
Nit. gandersheimiensis	X	X	-	X	X	X	X
Nit. gracilis	X	X	-	X	-	X	-
Nit. hungarica	X	X	X	X	X	X	X
Nit. inconspicua	-	X	X	X	X	X	X
Nit. intermedia	X	X	X	X	X	X	X
Nit. linearis	X	X	-	X	X	X	X
Nit. lorenziana var. subtilis	X	-	-	-	-	-	-
Nit. microcephala	X	-	X	-	-	-	-
Nit. palea	X	X	X	X	X	X	X
Nit. parvula	-	X	-	X	-	-	-
Nit. rautenbachiae	-	-	X	X	-	X	X
Nit. recta	X	X	X	X	X	X	X

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Nit. romana	X	X	X	X	-	-	X
Nit. sigma	X	-	X	X	-	X	X
Nit. sigmoidea	X	X	X	X	X	X	X
Nit. sinuata var. tabellaria	X	X	-	X	X	X	-
Nit. subrostroides	X	-	-	X	-	-	X
Nit. thermalis	X	X	X	X	-	-	-
Nit. tryblionella var. levidensis	X	X	X	X	X	-	X
Nit. tryblionella var. victoriae	X	X	X	X	X	-	-
Pinnularia sp.	X	-	-	X	-	-	-
P. abaujensis var. linearis	-	-	X	-	-	-	-
P. biceps	-	-	X	X	X	-	-
P. viridis	X	-	-	-	X	X	-
Rhoicosphenia curvata	X	X	X	X	X	X	X
Rhopalodia gibba var. ventricosa	-	-	-	X	X	X	-
R. musculus	-	-	X	-	X	X	-
Stauroneis anceps f. gracilis	-	-	-	-	X	-	-
S. smithii	X	-	-	X	X	-	X
Surirella angusta	X	X	X	X	X	X	X
Sur. biseriata	-	-	X	-	-	-	-
Sur. brightwellii	-	-	X	-	-	-	-
Sur. linearis var. helvetica	X	X	X	X	X	X	-
Sur. ovalis	X	X	X	-	-	-	X
Sur. ovata	X	X	-	X	X	X	X

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Sur. ovata var. salina	X	X	-	X	-	X	-
Sur. tenera var. nervosa	X	-	-	-	-	X	-
Synedra fasiculata	X	X	X	X	-	X	X
Syn. incisa	X	-	-	-	-	-	-
Syn. parasitica	-	-	-	X	-	-	-
Syn. rumpens	-	-	X	X	-	X	X
Syn. ulna	X	X	X	X	X	-	X
Syn. ulna var. contracta	-	-	X	-	-	-	-
Thalassiosira weissflogii	X	-	-	-	-	-	-
Euglenophycophyta (Euglenoid Algae)							
Ascoglena vaginicola	-	-	X	-	-	-	-
Characium falcatum	-	-	X	-	-	X	-
Euglena spp.	-	X	X	X	-	X	X
E. spirogyra	-	-	-	-	X	-	-
Phacotus lenticularis	-	-	-	-	-	X	-
Phacus sp.	-	-	X	-	-	-	-
P. curvicauda	-	-	-	-	X	-	-
Trachelomonas spp.	-	-	-	X	X	X	X
T. hispida	-	-	-	-	X	X	-
T. hispida var. coronata	-	-	-	-	-	X	-
T. volvocina	-	-	-	X	X	X	-
Rhodophycophyta (Red Algae)							
Audouinella violacea	X	-	-	X	X	X	-

Floyds Fork Drainage Algal Synoptic List and Diatom Species Proportional Count for Station 25-1 through 28-3

Taxa	Station 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Cryptophycophyta (Other Flagellate Algae)							
Cryptomonas ovata	-	-	-	-	X	X	-
Cyanochloronta (Blue-green Algae)							
Agmenellum convoluta	-	X	X	-	-	-	-
Ag. glauca	X	X	X	-	-	X	-
Ag. tenuissima	X	X	X	X	-	X	X
Anabaena oscillariodes	-	-	-	-	-	X	-
Anacystis montana	X	-	X	X	-	-	X
Calothrix parientina	-	X	-	X	X	X	X
Entophysalis lemaniae	X	X	X	-	X	-	-
Gomphosphaeria lacustris	-	-	-	-	-	X	-
Microcoleus lyngbyaceous	-	X	X	-	X	-	-
M. vaginatus	-	X	-	X	X	X	X
Oscillatoria lutea	X	X	X	-	X	X	X
O. princeps	-	X	X	-	-	-	-
Schizothrix calcicola	-	X	X	X	X	X	X
S. friesii	-	-	X	-	-	-	-
S. mexicana	-	X	X	-	X	X	-
Spirulina subsalsa	-	-	X	-	-	X	-

Diatom Species Proportional Count for Floyds Fork at Station 25-1

Navicula tripunctata	16.7%
Melosira varians	9.8%
Navicula salinarum var. intermedia	9.3%
Navicula radiosa var. tenella	8.6%
Cyclotella meneghiniana	8.5%
Nitzschia dissipata	6.7%
Nitzschia apiculata	4.8%
Surirella ovalis	4.4%
Rhoicosphenia curvata	4.0%
Bacillaria paradoxa	2.6%
Cocconeis placentula var. euglypta	2.2%
Cocconeis pediculus	2.0%
Gomphonema clevei	2.0%
Surirella angusta	2.0%
Gomphonema parvulum	1.6%
Nitzschia amphibia	1.5%
Nitzschia filiformis	1.4%
Navicula secreta var. apiculata	1.1%
Surirella ovata	1.1%
Achnanthes spp.	1.0%
Gomphonema olivaceum	1.0%
Cocconeis placentula var. lineata	0.7%
Navicula symmetrica	0.7%
Nitzschia palea	0.7%
Gyrosigma scalproides	0.5%

Diatom Species Proportional Count for Floyds Fork at Station 25-1

Biddulphia laevis	0.4%
Navicula rhyncocephala	0.4%
Nitzschia gracilis	0.4%
Surirella ovata var. salina	0.4%
Cymatopleura solea	0.3%
Gomphonema affine	0.3%
Gomphonema brasiliense	0.3%
Navicula radiosa var. parva	0.3%
Nitzschia linearis	0.3%
Nitzschia thermalis	0.3%
Nitzschia tryblionella var. levidensis	0.3%
Synedra ulna	0.3%
Cymbella triangulum	0.1%
Cymbella tumida	0.1%
Cymbella tumidula	0.5%
Frustulia vulgaris	0.1%
Navicula capitata	0.1%
Navicula mutica	0.1%

Diatom Species Proportional Count for Floyds Fork at Station 25-1

Navicula tripunctata var. schizonemoides	0.1%
Nitzschia coarctata	0.1%
Nitzschia intermedia	0.1%
Nitzschia lorenziana var. subtilis	0.1%
Diversity ($\bar{d}$)	5.1333
Equitability (e)	0.5149
Chlorophyll-a (mg/m^2)	0.953
Ash-free Dry Weight (g/m^2)	0.4325

Diatom Species Proportional Count for Floyds Fork at Station 25-2

Diatoma vulgare	13.7%
Cocconeis pediculus	13.3%
Nitzschia filiformis	11.9%
Surirella angusta	11.0%
Navicula salinarum var. intermedia	7.6%
Surirella ovata	7.6%
Cyclotella meneghiniana	3.6%
Nitzschia amphibia	2.9%
Rhoicosphenia curvata	2.9%
Amphora veneta	2.5%
Nitzschia fonticola	2.5%
Nitzschia apiculata	2.2%
Achnanthes spp.	1.8%
Navicula radiosa var. tenella	1.8%
Nitzschia palea	1.6%
Achnanthes linearis	1.3%
Cocconeis placentula var. euglypta	1.1%
Melosira varians	1.1%
Gomphonema parvulum	0.7%
Nitzschia hungarica	0.7%
Cymbella tumidula	0.5%
Gomphonema angustatum	0.5%
Navicula secreta var. apiculata	0.5%
Nitzschia dissipata	0.5%
Nitzschia linearis	0.5%

Diatom Species Proportional Count for Floyds Fork at Station 25-2

Surirella ovata var. salina	0.5%
Cymbella prostrata	0.4%
Cymbella tumida	0.4%
Gomphonema olivaceum	0.4%
Gyrosigma scalproides	0.4%
Navicula symmetrica	0.4%
Navicula tripunctata	0.4%
Nitzschia intermedia	0.4%
Nitzschia thermalis	0.4%
Surirella ovalis	0.4%
Achnanthes hauckiana	0.2%
Amphora perpusilla	0.2%
Cymbella minuta	0.2%
Cymbella prostrata var. auerswaldii	0.2%
Cymbella sinuata	0.2%
Gomphonema brasiliense	0.2%
Navicula hustedtii	0.2%
Nitzschia gracilis	0.2%
Nitzschia parvula	0.2%
Nitzschia sinuata var. tabellaria	0.2%
Diversity ($\bar{d}$)	3.3750
Equitability (e)	0.1666
Chlorophyll-a (mg/m^2)	7.877
Ash-free Dry Weight (g/m^2)	1.2401

Diatom Species Proportional Count for Floyds Fork at Station 26-1

Amphora veneta	41.5%
Nitzschia amphibia	16.7%
Cyclotella meneghiniana	12.5%
Cocconeis pediculus	11.6%
Surirella ovalis	3.5%
Gomphonema parvulum	2.9%
Surirella angusta	1.4%
Cocconeis placentula var. euglypta	1.0%
Achnanthes spp.	0.9%
Navicula radiosa var. tenella	0.7%
Nitzschia apiculata	0.7%
Nitzschia palea	0.7%
Navicula tripunctata	0.5%
Nitzschia microcephala	0.5%
Diatoma vulgare	0.3%
Melosira varians	0.3%
Navicula confervacea	0.3%
Navicula gottlandica	0.3%
Nitzschia filiformis	0.3%
Nitzschia thermalis	0.3%
Rhoicosphenia curvata	0.3%
Synedra ulna	0.3%
Achnanthes hungarica	0.2%
Amphora submontana	0.2%
Cocconeis placentula var. lineata	0.2%
Cymbella affinis	0.2%

Diatom Species Proportional Count for Floyds Fork at Station 26-1

Cymbella minuta	0.2%
Cymbella triangulum	0.2%
Navicula cuspidata	0.2%
Navicula hustedtii	0.2%
Nitzschia dissipata	0.2%
Nitzschia fonticola	0.2%
Nitzschia hungarica	0.2%
Surirella linearis var. helvetica	0.2%
Diversity ($\bar{d}$)	3.5283
Equitability (e)	0.2073
Chlorophyll-a (mg/m^2)	1.297
Ash-free Dry Weight (g/m^2)	0.2638

Diatom Species Proportional Count for Floyds Fork at Station 27-1

Cocconeis pediculus	35.6%
Gomphonema olivaceum	11.5%
Cymbella affinis	11.4%
Melosira varians	4.4%
Nitzschia dissipata	4.0%
Rhoicosphenia curvata	3.6%
Navicula radiosa var. tenella	3.1%
Cocconeis placentula var. euglypta	2.7%
Nitzschia apiculata	2.5%
Synedra ulna	2.4%
Gomphonema angustatum	1.5%
Navicula salinarum var. intermedia	1.5%
Gomphonema parvulum	1.3%
Nitzschia amphibia	1.0%
Cocconeis placentula var. lineata	0.9%
Gomphonema clevei	0.9%
Nitzschia fonticola	0.9%
Nitzschia gracilis	0.9%
Navicula symmetrica	0.7%
Fragillaria crotonensis	0.6%
Amphipleura pellucida	0.4%
Fragillaria vaucheriae	0.4%
Navicula radiosa var. parva	0.4%
Navicula tripunctata	0.4%
Surirella angusta	0.4%
Synedra fasciculata	0.4%

Diatom Species Proportional Count for Floyds Fork at Station 27-1

Amphora veneta	0.3%
Cymbella sinuata	0.3%
Cymbella tumida	0.3%
Eunotia curvata	0.3%
Fragillaria capucina var. mesolepta	0.3%
Gomphonema grunowii	0.3%
Gomphonema truncatum	0.3%
Nitzschia linearis	0.3%
Nitzschia palea	0.3%
Nitzschia tryblionella var. levidensis	0.3%
Rhopalodia gibba var. ventricosa	0.3%
Surirella ovata	0.3%
Achnanthes linearis	0.1%
Amphora submontana	0.1%
Cymbella minuta	0.1%
Cymbella prostrata	0.1%
Epithemia sorex	0.1%
Gomphonema acuminatum	0.1%
Gyrosigma spencerii	0.1%
Navicula menisculus var. upsaliensis	0.1%
Navicula secreta var. apiculata	0.1%
Nitzschia hungarica	0.1%
Nitzschia recta	0.1%
Nitzschia romana	0.1%
Nitzschia sinuata var. tabellaria	0.1%
Surirella linearis var. helvetica	0.1%

Diatom Species Proportional Count for Floyds Fork at Station 27-1

Surirella ovata var. salina	0.1%
Diversity ($\bar{d}$)	4.3849
Equitability (e)	0.2672
Chlorophyll-a (mg/m^2)	1.257
Ash-free Dry Weight (g/m^2)	0.1055

Diatom Species Proportional Count for Floyds Fork at Station 28-1

Gomphonema clevei	36.2%
Rhoicosphenia curvata	14.3%
Nitzschia amphibia	11.9%
Achnanthes detha	7.9%
Gomphorema parvulum	2.8%
Amphora perpusilla	2.1%
Cymbella sinuata	2.1%
Amphora veneta	1.7%
Navicula salinarum var. intermedia	1.7%
Gomphonema grunowii	1.4%
Achnanthes minutissima	1.2%
Gomphonema angustatum	1.2%
Navicula radiosa var. tenella	1.0%
Achnanthes hungarica	0.7%
Cymatopleura solea	0.7%
Nitzschia inconspicua	0.7%
Nitzschia palea	0.7%
Achnanthes hauckiana	0.5%
Amphora submontana	0.5%
Diploneis sp. 2	0.5%
Gomphonema sp.	0.5%
Gyrosigma spencerii	0.5%
Nitzschia dissipata	0.5%
Cymbella minuta	0.3%
Navicula anglica var. subsalsa	0.3%
Navicula cincta	0.3%

Diatom Species Proportional Count for Floyds Fork at Station 28-1

Nitzschia denticula	0.3%
Nitzschia gandersheimiensis	0.3%
Nitzschia hungarica	0.3%
Nitzschia sigmoidea	0.3%
Surirella angusta	0.3%
Achnanthes lanceolata	0.2%
Achnanthes linearis	0.2%
Caloneis bacillum	0.2%
Caloneis lewisii var. inflata	0.2%
Caloneis ventricosa var. regula?	0.2%
Cymbella prostrata	0.2%
Entomoneis ornata	0.2%
Gomphonema gracile	0.2%
Gomphonema truncatum	0.2%
Navicula cuspidata	0.2%
Navicula gottlandica	0.2%
Navicula hustedtii	0.2%
Navicula menisculus var. upsaliensis	0.2%
Navicula radiosa var. parva	0.2%
Navicula viridula var. linearis	0.2%
Nitzschia apiculata	0.2%
Nitzschia linearis	0.2%
Nitzschia recta	0.2%
Nitzschia tryblionella var. levidensis	0.2%
Diversity ($\bar{d}$)	4.0970
Equitability (e)	0.2809

Diatom Species Proportional Count for Floyds Fork at Station 28-1

Chlorophyll-a (mg/m^2)	12.779
Ash-free Dry Weight (g/m^2)	1.0466

Diatom Species Proportional Count for Floyds Fork at Station 28-1

Cocconeis pediculus	56.0%
Cocconeis placentula var. euglypta	10.2%
Cyclotella meneghiniana	4.1%
Navicula salinarum var. intermedia	3.5%
Rhoicosphenia curvata	2.9%
Cymbella affinis	2.5%
Fragillaria capucina var. mesolepta	2.1%
Nitzschia amphibia	1.9%
Cymbella prostrata var. auerswaldii	1.4%
Cymbella sinuata	1.1%
Nitzschia dissipata	1.1%
Cymbella tumidula	0.9%
Gomphonema dichotomum	0.8%
Melosira varians	0.8%
Navicula cincta	0.8%
Rhopalodia gibba var. ventricosa	0.8%
Surirella angusta	0.8%
Fragillaria crotonensis	0.6%
Gomphonema parvulum	0.6%
Cymbella minuta	0.5%
Nitzschia apiculata	0.5%
Nitzschia gracilis	0.5%
Achnanthes sp.	0.3%
Amphora perpusilla	0.3%
Diploneis pseudovalis	0.3%
Gomphonema angustatum	0.3%

Diatom Species Proportional Count for Floyds Fork at Station 28-1

Nitzschia inconspicua	0.3%
Nitzschia palea	0.3%
Surirella linearis var. helvetica	0.3%
Synedra ulna	0.3%
Achnanthes hungarica	0.2%
Achnanthes minutissima	0.2%
Amphora veneta	0.2%
Cymbella tumida	0.2%
Gomphonema subclavatum var. mexicanum	0.2%
Navicula cryptocephala var. veneta	0.2%
Navicula heufleri var. leptocephala	0.2%
Navicula radiosa var. tenella	0.2%
Navicula tripunctata	0.2%
Nitzschia calida	0.2%
Nitzschia fonticola	0.2%
Nitzschia hungarica	0.2%
Nitzschia intermedia	0.2%
Nitzschia rautenbachiae	0.2%
Nitzschia sinuata var. tabellaria	0.2%
Surirella ovata var. salina	0.2%
Surirella tenera var. nervosa	0.2%
Synedra fasiculata	0.2%
Diversity ($\bar{d}$)	3.5086
Equitability (e)	0.1633
Chlorophyll-a (mg/m^2)	4.458
Ash-free Dry Weight (g/m^2)	0.9499

Diatom Species Proportional Count for Floyds Fork at Station 28-1

Cocconeis pediculus	70.9%
Rhoicosphenia curvata	5.3%
Gomphonema dichotomum	5.0%
Surirella angusta	2.7%
Surirella ovata	2.1%
Navicula salinarum var. intermedia	1.4%
Nitzschia apiculata	1.4%
Surirella ovalis	1.4%
Cocconeis placentula var. euglypta	1.1%
Nitzschia palea	1.1%
Navicula radiosa var. tenella	0.9%
Aulacosira sp.	0.7%
Nitzschia amphibia	0.7%
Nitzschia romana	0.7%
Achnanthes minutissima	0.5%
Gomphonema olivaceum	0.5%
Nitzschia hungarica	0.4%
Cymbella sinuata	0.4%
Fragillaria capucina var. mesolepta	0.4%
Gomphonema parvulum	0.4%
Cocconeis placentula var. lineata	0.2%
Navicula symmetrica	0.2%
Nitzschia fonticola	0.2%
Nitzschia intermedia	0.2%
Nitzschia linearis	0.2%
Nitzschia rautenbachiae	0.2%

Diatom Species Proportional Count for Floyds Fork at Station 28-1

Nitzschia sigmoidea	0.2%
Diploneis pseudovalis	0.2%
Fragillaria crotonensis	0.2%
Fragillaria vaucheriae	0.2%
Gomphonema gracile	0.2%
Gyrosigma acuminatum	0.2%
Diversity ($\bar{d}$)	2.6904
Equitability (e)	0.1200
Chlorophyll-a (mg/m^2)	1.016
Ash-free Dry Weight (g/m^2)	0.1759

APPENDIX D

Macroinvertebrate Synoptic List, Functional Group and Pollution Tolerance for the Floyds Fork System

Taxa	Station							Functional Group	Poll. Tol.
	25-1	25-2	26-1	27-1	28-1	28-2	28-3		
Plesiopora									
Naididae									
Stylaria sp.	X	-	-	-	-	-	-	Collector	Tolerant
Tubificidae									
Tubifex tubifex	-	-	-	-	X	-	-	Miner	Tolerant
Mesogastropoda									
Hydrobiidae									
Somatogyrina integra	X	-	-	-	-	-	-	Scraper	Facultative
Pleuroceridae									
Elimia semicarinata	X	X	-	X	-	X	X	Scraper	Facultative
Elimia sp.	X	-	-	-	X	-	-	Scraper	Facultative
Pleurocera acuta	-	X	-	X	X	-	-	Scraper	Facultative
Pleurocera canaliculatum	X	-	-	-	-	-	-	Scraper	Facultative
Basommatophora									
Ancylidae									
Ferrissia sp.	-	X	X	-	X	-	-	Scraper	Facultative
Physidae									
Physella gyrina	X	-	-	-	-	-	-	Scraper	Tolerant
Physella integra	-	-	X	-	-	-	-	Scraper	Tolerant
Planoridae									
Helisoma anceps	-	-	-	-	-	X	-	Scraper	Facultative
Heterodonta									
Corbiculidae									
Corbicula fluminea	X	X	-	X	-	-	-	Filterer	Facultative
Sphaeriidae									
Sphaerium simile	X	X	-	X	X	X	X	Filterer	Facultative
Schizodonta									
Unionidae									
Alasmidonta viridis	-	-	-	X	X	R	X	Filterer	Facultative
Amblema plicata	X	-	-	-	R	-	-	Filterer	Facultative
Anodonta grandis grandis	R	X	-	X	X	X	-	Filterer	Facultative

Macroinvertebrate Synoptic List, Functional Group and Pollution Tolerance for the Floyds Fork System

Taxa	Station							Functional Group	Poll. Tol.
	25-1	25-2	26-1	27-1	28-1	28-2	28-3		
Elliptio dilatatus	R	-	-	-	-	-	-	Filterer	Facultative
Fusconaia flava form *flava*	R	-	-	-	-	-	-	Filterer	Facultative
Lampsilis radiata luteola	R	R	-	X	X	-	X	Filterer	Facultative
Lampsilis teres teres	R	-	-	-	-	-	-	Filterer	Facultative
Lampsilis ventricosa	R	R	-	R	-	-	-	Filterer	Facultative
Leptodea fragilis	R	-	-	-	-	-	-	Filterer	Facultative
Magnonaias nervosa	R	-	-	-	-	-	-	Filterer	Facultative
Obovaria subrotunda	R	-	-	-	-	-	-	Filterer	Facultative
Pleurobema sintoxia	R	-	-	-	-	-	-	Filterer	Facultative
Quadrula pustulosa	R	-	-	-	-	-	-	Filterer	Facultative
Quadrula quadrula	R	R	-	-	-	-	-	Filterer	Facultative
Strophitus undulatus undulatus	R	-	-	R	R	-	R	Filterer	Facultative
Tritogonia verrucosa	R	-	-	-	-	-	-	Filterer	Facultative
Truncilla truncata	R	-	-	-	-	-	-	Filterer	Facultative
Isopoda									
Asellidae									
Lirceus fontinalis	-	X	X	X	-	X	X	Shredder	Tolerant
Amphipoda									
Gammaridae									
Gammarus sp.	-	-	-	X	-	-	-	Shredder	Facultative
Decapoda									
Cambaridae									
Orconectes rusticus	X	X	X	X	X	-	X	Generalist	Facultative
Ephemeroptera									
Baetidae									
Baetis tricaudatus	X	-	-	-	-	-	-	Collector	Facultative
Baetis sp.	-	-	-	-	-	X	X	Collector	Facultative
Pseudocloeon sp.	X	-	-	-	-	-	X	Collector	Facultative

Macroinvertebrate Synoptic List, Functional Group and Pollution Tolerance for the Floyds Fork System

Taxa	Station							Functional Group	Poll. Tol.
	25-1	25-2	26-1	27-1	28-1	28-2	28-3		
Caenidae									
Caenis sp.	-	X	X	X	X	X	X	Collector	Facultative
Ephemeridae									
Hexagenia sp.	-	-	X	-	-	-	-	Miner	Facultative
Heptageniidae									
Stenacron interpunctatum	X	X	X	X	X	-	X	Scraper	Tolerant
Stenonema femoratum	X	X	X	X	X	X	X	Scraper	Tolerant
Stenonema pulchellum	X	-	-	-	-	-	-	Scraper	Facultative
Leptophlebiidae									
Leptophlebia sp.	-	X	-	X	X	-	X	Collector	Facultative
Oligoneuriidae									
Isonychia sp.	X	X	X	X	X	X	X	Collector	Facultative
Potamanthidae									
Potamanthus sp.	-	X	-	-	-	-	-	Miner	Facultative
Odonata									
Calopterygidae									
Calopteryx sp.	X	-	-	-	-	X	-	Predator	Facultative
Coenagrionidae									
Amphiagrion sp.	-	-	-	-	X	-	-	Predator	Facultative
Argia sp.	X	X	X	X	X	-	X	Predator	Facultative
Enallagma sp.	X	-	X	X	X	-	X	Predator	Tolerant
Aeschnidae									
Boyeria vinosa	X	-	-	X	-	-	-	Predator	Tolerant
Plecoptera									
Leutridae									
Leuctra sp.	-	-	-	-	-	X	X	Shredder	Facultative
Taeniopterygidae									
Taeniopteryx sp.	-	X	-	-	-	-	-	Shredder	Tolerant

Macroinvertebrate Synoptic List, Functional Group and Pollution Tolerance for the Floyds Fork System

Taxa	Station							Functional Group	Poll. Tol.
	25-1	25-2	26-1	27-1	28-1	28-2	28-3		
Perlidae									
Acroneuria sp.	X	X	-	-	X	-	-	Predator	Facultative
Perlodidae									
Isoperla sp.	X	X	-	-	-	-	-	Predator	Facultative
Hemiptera									
Belostomatidae									
Belostoma sp.	X	-	-	X	-	-	-	Predator	Tolerant
Coleoptera									
Dytiscidae									
Laccophilus sp.	-	-	-	-	-	-	X	Predator	Tolerant
Gyrinidae									
Dineutus sp.	-	X	X	-	-	-	-	Predator	Tolerant
Gyrinus sp.	X	-	-	-	-	-	-	Predator	Tolerant
Elmidae									
Dubiraphia sp.	-	X	X	X	X	-	-	Scraper	Facultative
Stenelmis crenata	X	-	-	-	X	-	X	Scraper	Facultative
Stenelmis sexlineata	X	X	-	X	X	X	X	Scraper	Facultative
Stenelmis sp. (larvae)	X	X	X	X	X	X	X	Scraper	Facultative
Psephenidae									
Psephenus herricki	X	X	-	X	X	X	X	Scraper	Facultative
Megaloptera									
Corydalidae									
Corydalus cornutus	X	X	X	X	X	-	-	Predator	Facultative
Nigronia serricornis	X	-	-	-	-	-	X	Predator	Facultative
Sialidae									
Sialis sp.	X	X	-	-	X	X	-	Predator	Facultative

Macroinvertebrate Synoptic List, Functional Group and Pollution Tolerance for the Floyds Fork System

Taxa	Station							Functional Group	Poll. Tol.
	25-1	25-2	26-1	27-1	28-1	28-2	28-3		
Diptera									
Empididae									
Hemerodromia sp.	X	X	-	X	-	X	X	Predator	Facultative
Chironomidae									
Ablabesmyia mallochi	-	-	-	-	-	X	-	Predator	Facultative
Chironomus sp.	X	-	-	-	-	-	-	Collector	Tolerant
Cladotanytarsus sp.	-	-	-	X	X	-	-	Scraper	Facultative
Corynoneura taris	X	-	X	-	-	X	X	Collector	Facultative
Cricotopus bicinctus	X	-	X	-	-	X	X	Shredder	Tolerant
Cricotopus intersectus	-	-	-	X	-	-	-	Shredder	Facultative
Cricotopus laricomalis gp.	-	X	X	-	-	X	-	Shredder	Facultative
Cricotopus sylvestris	X	-	-	-	-	-	-	Shredder	Facultative
Cricotopus tremulus gp.	X	X	X	X	-	X	-	Shredder	Facultative
Cricotopus trifascia gp.	-	-	X	-	-	-	-	Shredder	Facultative
Cricotopus sp.	-	-	X	-	-	-	X	Shredder	Facultative
Cricotopus/Orthocladius sp. 1	-	X	-	-	-	-	-	Shredder	ND
Cricotopus/Orthocladius sp. 2	-	X	-	-	-	-	-	Shredder	ND
Crytochironomus fulvus	-	-	X	-	-	-	-	Predator	Facultative
Dicrotendipes modestus	-	-	X	-	-	-	-	Collector	Facultative
Dicrotendipes neomodestus	-	-	-	-	-	X	-	Collector	Facultative
Eukiefferiella bavarica gp.	X	-	X	X	-	X	-	Collector	Facultative
Eukiefferiella brevicalcar gp.	X	X	-	X	-	-	-	Scraper	Facultative
Eukiefferiella devonica gp.	-	-	-	-	-	X	-	Scraper	Facultative
Eukiefferiella pseudomontana gp.	X	X	X	X	-	X	-	Scraper	Facultative
Eukiefferiella sp.	X	-	-	-	-	-	-	Scraper	Facultative
Hydrobaenus pallipes	X	-	-	-	-	-	-	Scraper	Facultative
Microtendipes caelum	X	X	X	X	-	X	-	Filterer	Facultative
Microtendipes sp.	-	-	-	-	X	-	-	Filterer	Facultative

Macroinvertebrate Synoptic List, Functional Group and Pollution Tolerance for the Floyds Fork System

Taxa	Station							Functional Group	Poll. Tol.
	25-1	25-2	26-1	27-1	28-1	28-2	28-3		
Rheocricotopus robacki	X	-	-	-	-	-	-	Collector	Facultative
Rheotanytarsus exiguus gp.	X	X	X	X	-	X	-	Filterer	Facultative
Stictochironomus sp.	-	-	X	-	-	-	-	Collector	Facultative
Tanytarsus coffmani	-	-	-	-	-	-	X	Scraper	Facultative
Tanytarsus glabrascens gp.	-	X	X	-	-	X	X	Scraper	Facultative
Tanytarsus guerlus gp.	-	-	X	X	-	-	-	Scraper	Facultative
Tanytarsus sp.	-	-	-	-	X	X	-	Collector	Facultative
Tanytarsus/Micropsectra sp.	X	-	-	-	-	X	-	Collector	Facultative
Thienemanniella xena	X	X	X	X	-	X	X	Scraper	Sensitive
Thienemannimyia sp.	X	X	X	X	X	X	X	Predator	Tolerant
Xenochironomus sp.	-	-	-	-	X	-	-	Shredder	Facultative
Simuliidae									
Prosimulium sp.	-	X	-	-	-	-	-	Collector-filterer	Tolerant
Simulium venustum	-	-	-	X	-	X	-	Collector-filterer	Tolerant
Simulium sp.	X	X	X	-	-	-	-	Collector-filterer	Tolerant
Tipulidae									
Hexatoma sp.	-	-	-	X	-	-	-	Predator	Facultative
Limnophila sp.	-	-	-	-	-	X	-	Predator	Facultative
Paratanytarsus sp.	X	X	X	-	-	-	-	Filterer	Facultative
Paratendipes sp.	-	-	-	-	X	-	-	Collector	Tolerant
Phaenopsectra sp.	-	-	X	-	-	-	-	Collector	Facultative
Polypedilium convictum	X	X	X	X	-	X	-	Filterer	Facultative
Polypedilium fallax gp.	-	-	-	X	X	X	-	Collector	Facultative
Polypedilium halterale	-	-	X	X	-	-	-	Collector	Facultative
Polypedilium illinoense	X	X	-	-	-	-	-	Collector	Tolerant
Procladius subletti	-	-	X	-	X	-	-	Predator	Tolerant
Pseudochironomus sp.	-	-	-	-	-	X	-	Collector	Facultative
Nanocladius spinniplenus	-	-	-	X	-	-	-	Collector	Facultative
Natarsia sp.	-	-	-	-	X	-	-	Collector	Facultative
Orthocladius carlatus	X	X	-	-	-	-	-	Scraper	Facultative
Orthocladius lapponicus (?)	-	-	-	-	-	X	-	Scraper	Facultative

Macroinvertebrate Synoptic List, Functional Group and Pollution Tolerance for the Floyds Fork System

Taxa	Station							Functional Group	Poll. Tol.
	25-1	25-2	26-1	27-1	28-1	28-2	28-3		
Orthocladius nigritus (?)	-	-	-	-	-	X	-	Scraper	Facultative
Orthocladius obumbratus	X	X	X	X	-	X	X	Scraper	Facultative
Orthocladius oliveri	X	-	-	-	-	-	-	Scraper	Facultative
Orthocladius spp.	-	X	-	-	-	X	-	Scraper	Facultative
Parametriocnemus lundbecki	X	X	X	X	-	X	X	Scraper	Sensitive
Pedicia sp.	-	-	-	-	-	X	-	Predator	Facultative
Tipula strepens	X	-	X	-	X	-	X	Shredder	Facultative
Tipula sp.	X	-	-	-	-	-	-	Shredder	Facultative
Trichoptera									
Glossosomatidae									
Agapetus sp.	-	X	-	-	-	-	-	Scraper	Facultative
Hydropsychidae									
Cheumatopsyche sp.	X	X	X	X	X	X	X	Filterer	Tolerant
Hydropsyche betteni	X	X	X	-	-	-	-	Filterer	Facultative
Hydropsyche dicantha	X	-	-	-	-	-	-	Filterer	Facultative
Hydropsyche simulans	X	-	-	-	-	X	-	Filterer	Facultative
Symphitopsyche cheilonis	-	-	X	-	-	-	-	Filterer	Facultative
Helicopsychidae									
Helicopsyche borealis	-	-	-	X	-	-	-	Scraper	Facultative
Hydroptilidae									
Hydroptila ajax	-	-	-	-	-	X	-	Scraper	Facultative
Ochrotrichia hamata	X	-	-	-	-	-	-	Scraper	Facultative
Ochrotrichia sp.	-	X	X	-	-	-	-	Scraper	Facultative
Leptoceridae									
Ceraclea ancylus	X	X	X	X	-	-	-	Scraper	Facultative
Oecetis sp.	-	X	-	-	-	-	-	Predator	Facultative
Philopotamidae									
Chimarra sp.	X	X	-	X	-	X	-	Predator	Facultative
Lepidoptera									
Paragyractis sp.	X	-	-	-	-	-	-	Scraper	Facultative

R = Relic Specimen
X = Live Specimen

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 25-1

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Plesiopora						
Stylaria sp.	-	-	-	5	5	<1
Mesogastropoda						
Elimia simicarinata	20	4	7	4	15	1
Elimia sp.	25	-	-	-	-	-
Pleurocera acuta	10	-	-	-	-	-
Pleurocera canaliculatum	30	9	4	4	17	1
Somatogyrina integra	8	-	2	5	7	<1
Basommatophora						
Physella gyrina	-	8	-	-	8	<1
Heterodonta						
Corbicula fluminea	-	8	7	-	15	1
Sphaerium simile	-	15	14	9	38	3
Schizodonta						
Amblema plicata	2	-	-	-	-	-
Anodonta grandis grandis	R	-	-	-	-	-
Elliptio dilatatus	R	-	-	-	-	-
Fusconaia flava form flava	R	-	-	-	-	-
Lampsilis radiata luteola	R	-	-	-	-	-
Lampsilis teres teres	R	-	-	-	-	-
Lampsilis ventricosa	R	-	-	-	-	-
Leptodea fragilis	R	-	-	-	-	-
Magnonaias nervosa	R	-	-	-	-	-
Obovaria subrotunda	R	-	-	-	-	-
Pleurobema sintoxia	R	-	-	-	-	-
Quadrula pustulosa	R	-	-	-	-	-
Quadrula quadrula	R	-	-	-	-	-
Strophitus undulatus undulatus	R	-	-	-	-	-
Tritogonia verrucosa	R	-	-	-	-	-
Truncilla truncata	R	-	-	-	-	-
Decapoda						
Orconectes rusticus	2	-	-	1	1	<1
Ephemeroptera						
Baetis tricaudatus	-	18	11	5	34	3
Isonychia sp.	17	22	32	255	309	24
Pseudocloeon sp.	-	5	-	-	5	<1
Stenacron interpunctatum	20	-	-	-	-	-
Stenonema femoratum	38	-	-	-	-	-
Stenonema pulchellum	-	27	13	25	65	5
Odonata						
Argia sp.	6	-	-	-	-	-
Boyeria vinosa	5	-	-	-	-	-
Calopteryx sp.	1	-	-	-	-	-
Enallagma sp.	4	-	-	-	-	-

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 25-1

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Plecoptera						
Acroneuria sp.	2	-	-	-	-	-
Isoperla sp.	2	-	-	-	-	-
Hemiptera						
Belostoma sp.	1	-	-	-	-	-
Coleoptera						
Gyrinus sp.	1	-	-	-	-	-
Psephenus herricki	1	-	17	12	29	2
Stenelmis crenata	-	-	-	1	1	<1
Stenelmis sexlineata	3	13	18	6	37	3
Stenelmis sp. (larvae)	-	30	43	35	108	9
Megaloptera						
Corydalus cornatus	6	1	-	-	1	<1
Nigronia serricornis	-	-	-	1	1	<1
Sialis sp.	1	-	-	-	-	-
Diptera						
Chironomus sp.	-	-	-	1	1	<1
Corynoneura taris	-	-	1	1	2	<1
Cricotopus bicinctus	3	2	1	5	8	<1
Cricotopus sylvestris	1	-	-	-	-	-
Cricotopus tremulus gp.	1	-	2	-	2	<1
Eukiefferiella bavarica gp.	-	-	1	2	3	<1
Eukiefferiella brevicalcar gp.	-	3	4	5	12	<1
Eukiefferiella pseudomontana gp.	-	1	5	2	8	<1
Eukiefferiella sp.	1	-	-	-	-	-
Hemerodromia sp.	-	-	-	2	2	<1
Hydrobaenus pallipes	2	1	-	-	1	F1
Microtendipes caelum	-	-	1	-	1	<1
Orthocladius carlatus	-	-	2	3	5	<1
Orthocladius obumbratus	-	10	12	5	27	2
Orthocladius oliveri	1	-	-	-	-	-
Parametriocnemus lundbecki	2	1	1	3	5	<1
Paratanytarsus sp.	1	-	-	-	-	-
Polypedilium convictum	-	10	6	16	32	3
Polypedilium illinoense	-	-	-	6	6	F1
Rheocricotopus robacki	-	-	3	-	3	<1
Rheotanytarsus exiguus gp.	-	9	6	6	21	2
Simulium sp.	-	28	37	17	82	6
Tanytarsus/Micropsectra sp.	-	1	-	1	2	F1
Thienemanniella xena	3	3	2	2	7	<1
Thienemannimyia sp.	6	3	10	9	22	2
Tipula strepens	-	1	2	2	5	<1
Tipula sp.	2	-	-	-	-	-

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 25-1

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Trichoptera						
Ceraclea anylus	20	-	-	-	-	-
Cheumatopsyche sp.	200	30	29	273	332	26
Chimarra sp.	10	3	-	5	8	<1
Hydropsyche betteni	-	7	-	5	12	<1
Hydropsyche dicantha	15	-	-	-	-	-
Hydropsyche simulans	8	-	-	-	-	-
Ochrotrichia hamata	-	-	-	1	1	<1
Lepidoptera						
Paragyractis sp.	-	-	-	1	1	<1
TOTAL					1270	

Taxa Richness = 81
Species Diversity (d) = 3.7411
Equitability (e) = 0.4222
R = Relic Specimen

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 25-2

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Basommatophora						
Ferressia sp.	14	19	12	13	44	2
Mesogastropoda						
Elimia semicarinata	1	2	9	-	11	<1
Pleurocera acuta	-	5	8	6	19	<1
Heterodonta						
Corbicula fluminea	-	17	16	18	51	3
Sphaerium simile	-	18	-	25	43	2
Schizodonta						
Anadonta grandis grandis	2	-	-	-	-	-
Lampsilis radiata luteola	R	-	-	-	-	-
Lampsilis ventricosa	R	-	-	-	-	-
Quadrula quadrula	R	-	-	-	-	-
Isopoda						
Lirceus fontinalis	-	-	6	3	9	<1
Decapoda						
Oronectes rusticus	4	-	-	-	-	-
Ephemeroptera						
Caenis sp.	-	68	52	30	150	8
Isonychia sp.	-	38	41	227	306	16
Leptophlebia sp.	-	1	-	-	1	<1
Potamanthus sp.	-	3	-	-	3	<1
Stenacron interpunctatum	3	23	29	187	239	12
Stenonema femoratum	-	12	37	15	64	3
Odonata						
Argia sp.	-	2	3	-	5	<1
Plecoptera						
Acroneuria sp.	-	5	-	-	5	<1
Isoperla sp.	-	-	-	6	6	<1
Taeniopteryx sp.	-	-	-	7	7	<1
Coleoptera						
Dineutus sp.	-	1	-	-	1	<1
Dubiraphia sp.	24	1	-	-	1	<1
Psephenus herricki	8	26	21	25	72	4
Stenelmis sexlineata	18	21	12	107	140	7
Stenelmis sp. (larvae)	-	47	23	-	70	4
Megaloptera						
Corydalus cornutus	3	3	1	21	25	1
Sialis sp.	-	3	-	-	3	<1
Diptera						
Cricotopus laricomalis gp.	-	1	-	5	6	<1
Cricotopus tremulus gp.	-	4	2	8	14	<1
Cricotopus/Orthocladius sp. 1	1	-	-	-	-	-

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 25-2

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Cricotopus/Orthocladius sp. 2	1	-	-	-	-	-
Eukiefferiella brevicalcar gp.	-	2	-	5	7	<1
Eukiefferiella pseudomontana gp.	-	-	-	5	5	<1
Hemerodromia sp.	-	1	-	-	1	<1
Microtendipes caelum	2	2	3	-	5	<1
Orthocladius carlatus	-	1	-	-	1	<1
Orthocladius obumbratus	1	12	3	8	23	1
Orthocladius sp.	1	-	-	-	-	-
Parametriocnemus lundbecki	-	1	-	-	1	<1
Paratanytarsus sp.	-	1	-	-	1	<1
Polypedilum convictum	-	1	-	3	4	<1
Polypedilum illinoense	-	-	-	2	2	<1
Prosimulium sp.	1	-	-	17	17	<1
Rheotanytarsus exiguus gp.	-	3	1	14	18	<1
Simulium sp.	6	18	27	80	125	6
Tantarsus glabrascens gp.	-	1	-	-	1	<1
Thienemanniella xena	-	-	-	1	1	<1
Thienemannimyia sp.	7	5	2	15	22	1
Trichoptera						
Agapetus sp.	-	2	4	2	8	<1
Ceracea ancylus	8	-	-	4	4	<1
Cheumatopsyche sp.	-	80	30	288	398	20
Chimarra sp.	-	-	-	2	2	<1
Hydropsyche betteni	-	-	-	7	7	<1
Ochrotrichia sp.	-	1	-	-	1	<1
Oecetis sp.	-	-	2	-	2	<1
TOTAL					1952	

Taxa Richness = 56
Species Diversity ($\bar{d}$) = 3.9330
Equitability (e) = 0.4583

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Chenoweth Run at Station 26-1

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Basommatophora						
Physella integra	4	-	-	-	-	-
Ferressia sp.	2	-	-	-	-	-
Isopoda						
Lirceus fontinalis	10	6	5	4	15	2
Decapoda						
Orconectes rusticus	1	-	2	-	2	<1
Ephemeroptera						
Caenis sp.	-	34	47	53	134	18
Hexagenia sp.	-	-	2	-	2	<1
Isonychia sp.	8	-	-	2	2	<1
Stenacron interpunctatum	8	-	8	-	8	1
Stenonema femoratum	18	-	-	8	8	1
Odonata						
Argia sp.	6	-	-	1	1	<1
Enallagma sp.	14	-	2	1	3	<1
Coleoptera						
Dineutus sp.	-	-	1	1	2	<1
Dubiraphia sp.	1	-	-	-	-	-
Stenelmis sp. (larvae)	-	1	2	2	5	<1
Megaloptera						
Corydalus cornutus	1	-	1	1	2	<1
Diptera						
Corynoneura taris	-	3	3	19	25	3
Cricotopus bicinctus	-	6	-	14	20	3
Cricotopus laricomalis gp.	-	-	-	1	1	<1
Cricotopus tremulus gp.	-	6	2	16	24	3
Cricotopus trifascia gp.	-	5	1	1	7	<1
Cricotopus sp.	-	2	-	2	4	<1
Cryptochironomus fulvus	-	1	-	1	2	<1
Dicrotendipes modestus	-	-	-	2	2	<1
Eukiefferiella bavarica gp.	-	3	-	-	3	<1
Eukiefferiella pseudomontana gp.	-	3	-	-	3	<1
Microtendipes caelum	-	1	-	-	1	<1
Orthocladius obumbratus gp.	-	10	1	8	19	3
Parametriocnemus lundbecki	-	7	2	8	17	2
Paratanytarsus sp.	-	4	-	3	7	<1
Phaenopsectra sp.	-	-	-	1	1	<1
Polypedilum convictum	-	-	-	3	3	<1
Polypedilum halterale	-	2	1	-	3	<1
Procladius sublettei	-	-	-	1	1	<1
Rheotanytarsus exiguus gp.	-	-	9	95	104	14
Simulium sp.	-	13	18	18	49	6
Stictochronomus sp.	-	1	-	-	1	<1

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Chenoweth Run at Station 26-1

Quantitative

TAXA	QUAL	1	2	3	TOTAL	RA (%)
Tanytarsus glabrascens gp.	-	1	-	-	1	<1
Tanytarsus guerlus gp.	-	2	1	5	8	1
Thienemanniella xena	-	14	3	28	55	7
Thienemannimyia sp.	-	46	5	90	141	19
Tipula strepens	1	-	-	2	2	<1
Trichoptera						
Ceraclea ancylus	-	-	1	-	1	<1
Cheumatopsyche sp.	52	6	17	35	58	8
Hydropsyche betteni	1	-	-	-	-	-
Ochrotrichia sp.	-	1	2	7	10	1
Symphitopsyche cheilonis	1	-	-	-	-	-
TOTAL					756	

Taxa Richness = 46
Species Diversity (d) = 3.8890
Equitability (e) = 0.5500

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 27-1

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Mesogastropoda						
Elimia semicarinata	56	1	5	2	8	<1
Pleurocera acuta	50	-	-	-	-	-
Heterodonta						
Corbicula fluminea	R	-	-	-	-	-
Sphaerium simile	5	8	15	2	25	1
Schizodonta						
Alasmidonta viridis	1	-	-	-	-	-
Anadonta grandis grandis	2	-	-	-	-	-
Lampsilis radiata luteola	1	-	-	-	-	-
Lampsilis ventricosa	R	-	-	-	-	-
Strophitus undulatus undulatus	R	-	-	-	-	-
Isopoda						
Lirceus fontinalis	17	-	-	-	-	-
Amphopoda						
Gammarus sp.	12	-	-	-	-	-
Decapoda						
Orconectes rusticus	4	1	-	1	2	<1
Ephemeroptera						
Caenis sp.	-	22	18	39	79	5
Isonychia sp.	7	6	44	175	225	13
Leptopheblia sp.	14	8	-	-	8	<1
Stenacron interpunctatum	13	8	19	-	27	2
Stenonema femoratum	5	1	-	-	1	<1
Odonata						
Argia sp.	7	-	-	-	-	-
Boyeria vinosa	3	-	-	-	-	-
Enallagma sp.	1	-	-	-	-	-
Hemiptera						
Belostoma sp.	1	-	-	-	-	-
Coleoptera						
Dubiraphia sp.	27	-	-	-	-	-
Psephenus herricki	8	6	12	14	32	2
Stenelmis sexlineata	19	10	23	27	60	3
Stenelmis sp. (larvae)	12	27	35	41	103	6
Megaloptera						
Corydalus cornutus	1	5	7	9	21	1
Diptera						
Cladotanytarsus sp.	-	1	-	-	1	<1
Cricotopus intersectus	-	-	-	1		<1
Cricotopus tremulus gp.	-	-	2	5	7	<1
Eukiefferiella bavarica gp.	-	-	-	1	1	<1
Eukiefferiella brevicalcar gp.	-	-	3	9	12	<1
Eukiefferiella pseudomontana gp.	-	-	4	10	14	<1
Hemerodromia sp.	-	-	2	-	2	<1
Hexatoma sp.	-	-	5	-	5	<1

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 27-1

Quantitative

TAXA	QUAL	1	2	3	TOTAL	RA (%)
Microtendipes caelum	-	-	1	-	1	<1
Nanocladius spinniplenus	-	1	5	1	7	<1
Orthocladius obumbratus	-	-	1	4	5	<1
Parametriocnemus lundbecki	-	-	-	2	2	<1
Polypedilum convictum	1	-	35	30	65	4
Polypedilum fallax gp.	-	2	-	-	2	<1
Polypedilum halterale	-	1	-	-	1	<1
Rheotanytarsus exiguus gp.	-	-	73	39	112	6
Simulium venustum	-	-	12	18	30	2
Tanytarsus querlus gp.	-	1	-	-	1	<1
Thienemanniella xena	1	-	-	1	1	<1
Thienemannimyia sp.	4	23	10	12	45	3
Trichoptera						
Ceraclea ancylus	20	-	-	-	-	-
Cheumatopsyche sp.	35	32	329	415	775	44
Chimarra sp.	-	12	27	27	66	4
Helicopsyche borealis	22	-	-	-	-	-
TOTAL					1746	

Taxa Richness = 50
Species Diversity (d) = 3.1110
Equitability (e) = 0.3529
R = Relic Specimen

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 28-1

Quantitative TAXA	QUAL	1	2	3	TOTAL	RA (%)
Oligochaeta						
Tubifex tubifex	-	2	7	4	13	3
Basommatophora						
Ferressia sp.	-	1	-	-	1	<1
Mesogastropoda						
Elmia sp.	18	1	-	-	1	<1
Pleurocera acuta	2	-	-	-	-	-
Heterodonta						
Sphaerium simile	27	1	8	-	9	2
Schizodonta						
Alasmidonta viridis	1	-	-	-	-	-
Amblema plicata	R	-	-	-	-	-
Anadonta grandis grandis	2	-	-	-	-	-
Lampsilis radiata luteola	2	-	-	-	-	-
Strophitus undulatus undulatus	1	-	-	-	-	-
Decapoda						
Orconectes rusticus	1	-	2	-	2	1
Ephemeroptera						
Caenis sp.	6	21	-	14	35	7
Isonychia sp.	12	-	-	-	-	-
Leptophlebia sp.	8	49	14	15	78	15
Stenacron interpunctatum	20	58	17	18	93	18
Stenonema femoratum	18	-	-	-	-	-
Odonata						
Amphiagrion sp.	1	-	-	-	-	-
Argia sp.	1	-	-	-	-	-
Enallagma sp.	18	-	-	-	-	-
Plecoptera						
Acroneuria sp.	-	1	-	-	1	<1
Coleoptera						
Dubiraphia sp.	18	-	-	-	-	-
Psephenus herricki	12	18	8	11	37	7
Stenelmis crenata	15	-	-	-	-	-
Stenelmis sexlineata	-	27	14	15	56	11
Stenelmis sp. (larvae)	-	43	13	19	75	17
Megaloptera						
Corydalus cornutus	-	-	1	-	1	<1
Sialis sp.	-	1	-	-	1	<1
Diptera						
Cladotanytarsus sp.	-	1	-	-	1	1
Microtendipes sp.	-	17	10	-	18	3
Natarsia sp.	-	12	-	-	12	2
Paratendipes sp.	-	1	-	-	1	<1
Polypedium fallax gp.	-	1	-	-	1	<1
Procladius sublettei	-	1	-	-	1	<1

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Floyds Fork at Station 28-1

Quantitative

TAXA	QUAL	1	2	3	TOTAL	RA (%)
Tanytarsus sp.	-	1	-	-	1	<1
Thienemannimyia sp.	-	3	12	-	15	3
Tipula strepens	1	-	-	-	-	-
Xenochironomus sp.	-	4	-	-	4	<1
Trichoptera						
Cheumatopsyche sp.	30	37	21	-	58	11
TOTAL					515	

Taxa Richness = 38
Species Diversity (d) = 3.4431
Equitability (e) = 0.6666
R = Relic Specimen

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Currys Fork at Station 28-2

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Basommatophora						
Helisoma anceps	2	1	7	-	9	<1
Mesogastropoda						
Elimia semicarinata	1	3	8	1	12	<1
Heterodonta						
Sphaerium simile	2	8	7	-	15	<1
Schizodonta						
Alasmidonta viridis	R	-	-	-	-	-
Anodonta grandis grandis	2	-	-	-	-	-
Isopoda						
Lirceus fontinalis	2	2	4	2	8	<1
Ephemeroptera						
Baetis sp.	14	15	15	7	37	2
Caenis sp.	11	23	14	12	49	3
Isonychia sp.	8	31	38	14	83	5
Stenonema femoratum	7	12	7	3	22	1
Odonata						
Calopteryx sp.	-	-	1	-	1	<1
Plecoptera						
Leuctra sp.	2	10	15	5	30	2
Coleoptera						
Psephenus herricki	-	19	28	13	60	3
Stenelmis sexlineata	9	41	33	4	78	5
Stenelmis sp. (larvae)	2	68	43	14	125	7
Megaloptera						
Sialis sp.	-	1	-	-	1	<1
Diptera						
Ablabesmyia mallochi	-	-	1	-	1	<1
Corynoneura taris	-	1	1	-	2	<1
Cricotopus bicinctus	-	6	2	10	18	1
Cricotopus laricomalis gp.	-	1	1	-	2	<1
Cricotopus tremulus gp.	-	8	5	5	18	1
Dicrotendipes neomodestus	-	-	1	8	9	<1
Eukiefferiella bavarica gp.	-	1	-	-	1	<1
Eukiefferiella devonica gp.	-	-	-	1	1	<1
Eukiefferiella pseudomontana gp.	-	-	2	2	4	<1
Hemerodromia sp.	-	2	2	-	4	<1
Hydrobaenus pallipes	-	2	4	8	14	<1
Limnophila sp.	2	15	-	-	15	<1
Microtendipes caelum	-	-	2	1	3	<1
Orthocladius lapponicus (?)	-	1	-	2	3	<1
Orthocladius nigritus (?)	-	3	5	1	9	<1
Orthocladius obumbratus	-	11	25	20	56	3
Orthocladius sp. 1	-	-	-	1	1	<1
Orthocladius sp. 2	-	1	-	1	2	<1

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for Currys Fork at Station 28-2

Quantitative

TAXA	QUAL	1	2	3	TOTAL	RA (%)
Parametriocnemus lundbecki	-	3	4	5	12	<1
Pedicia sp.	-	1	-	-	1	<1
Polypedilum convictum	-	19	15	6	41	2
Polypedilum fallax gp.	-	1	-	-	1	<1
Pseudochironomus sp.	-	-	-	1	1	<1
Rheotanytarsus exiguus gp.	-	11	10	15	37	2
Simulium venustum	4	21	17	27	65	4
Tanytarsus glabrascens gp.	-	1	3	4	8	<1
Tanytarsus sp.	-	2	-	2	4	<1
Tantarsus/Microsectra sp.	-	-	-	1	1	<1
Thienemanniella xena	-	-	2	4	6	<1
Thienemannimyia sp.	-	58	41	83	182	11
Trichoptera						
Cheumatopsyche sp.	12	34	249	45	636	37
Chimarra sp.	6	8	11	3	22	1
Hydropsyche simulans	1	2	3	-	5	<1
Hydroptila ajax	-	1	-	-	1	<1
TOTAL					1716	

Taxa Richness = 49
Species Diversity (d) = 3.7182
Equitability (e) = 0.3958

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for North Fork Currys Fork at Station 28-3

Quantitative TAXA	QUAL	1	2	3	TOTAL	RA (%)
Mesogastropoda						
Elimia semicarinata	2	7	5	-	12	1
Heterodonta						
Sphaerium simile	1	4	8	3	15	1
Schizodonta						
Alasmidonta viridis	1	-	-	-	-	-
Lampsilis radiata luteola	2	-	-	-	-	-
Strophitus undulatus undulatus	1	-	-	-	-	-
Isopoda						
Lirceus fontinalis	-	127	37	-	164	15
Decapoda						
Orconectes rusticus	-	1	-	2	3	<1
Ephemeroptera						
Baetis sp.	2	-	13	-	13	<1
Caenis sp.	1	-	-	7	7	<1
Isonychia sp.	1	-	24	-	24	2
Leptopheblia sp.	-	17	19	6	42	4
Pseudocloeon sp.	2	5	-	-	5	<1
Stenacron interpunctatum	2	8	-	-	8	<1
Stenonema femoratum	3	-	7	7	14	1
Odonata						
Argia sp.	-	-	1	-	1	<1
Enallagma sp.	-	-	1	-	1	<1
Plecoptera						
Leuctra sp.	2	-	14	7	21	2
Coleoptera						
Laccophilus sp.	-	1	-	-	1	<1
Psephenus herricki	11	177	234	37	448	42
Stenelmis crenata	1	7	-	-	7	<1
Stenelmis sexlineata	-	-	37	-	37	3
Stenelmis sp. (larvae)	1	29	43	6	78	7
Megaloptera						
Nigronia serricornis	1	1	1	-	2	<1
Diptera						
Corynoneura taris	-	-	1	-	1	<1
Cricotopus bicinctus	-	1	-	-	1	<1
Cricotopus sp.	-	-	2	-	2	<1
Hemerodromia sp.	-	-	5	-	5	<1
Orthocladius obumbratus	-	1	-	-	1	<1
Parametriocnemus lundbecki	-	1	3	-	4	<1
Tanytarsus coffmani	-	1	-	-	1	<1
Tanytarsus glabrascens	-	-	1	-	1	<1
Thienemanniella xena	-	-	1	-	1	<1
Thienemannimyia sp.	-	12	19	1	32	3
Tipula strepens	-	1	-	-	1	<1

Macroinvertebrate Qualitative and Quantitative Data and Relative Abundance (RA) for North Fork Currys Fork at Station 28-3

TAXA	QUAL	Quantitative 1	2	3	TOTAL	RA (%)
Trichoptera						
Cheumatopsyche sp.	8	37	42	17	96	9
TOTAL					1049	

Taxa Richness = 35
Species diversity (d) = 3.0309
Equitability (e) = 0.3750

APPENDIX E

Fish Synoptic List for the Floyds Fork System

Species	Stations 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Family Esocidae							
Esox americanus vermiculatus grass pickerel	-	-	-	1	-	-	-
Family Cyprinidae							
Campostoma anomalum central stoneroller	1	99	22	6	3	2	60
Ericymba buccata silverjaw minnow	-	4	6	-	1	4	18
Notropis ardens rosefin shiner	-	16	5	45	18	47	10
Notropis boops bigeye shiner	-	-	-	7	2	2	-
Notropis chrysocephalus striped shiner	-	5	6	50	6	16	9
Notropis rubellus rosyface shiner	6	-	-	-	-	-	-
Notropis stramineus sand shiner	-	10	2	-	-	5	-
Notropis volucellus mimic shiner	17	-	-	-	-	-	-
Notropis whipplei steelcolor shiner	7	4	4	-	-	-	-
Phenacobius mirabilis suckermouth minnow	-	18	1	1	-	-	-
Pimephales notatus bluntnose minnow	12	45	22	24	46	47	61
Semotilus atromaculatus creek chub	-	-	5	-	3	2	31
Family Catostomidae							
Catostomus commersoni white sucker	-	-	1	-	2	-	3

Fish Synoptic List for the Floyds Fork System

Species	Stations 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Hypentelium nigricans northern hog sucker	1	8	2	8	2	-	1
Minytrema melanops spotted sucker	-	-	-	-	-	-	2
Moxostoma duquesnei black redhorse	-	-	1	-	-	-	-
Moxostoma erythrurum golden redhorse	2	1	-	5	19	1	-
Family Ictaluridae							
Ictalurus natalis yellow bullhead	-	-	3	-	-	-	-
Noturus flavus stonecat	-	6	-	-	-	-	-
Family Percopsidae							
Percopsis omiscomaycus trout-perch	-	-	-	-	-	5	-
Family Cyprinodontidae							
Fundulus notatus blackstripe topminnow	2	1	-	2	1	1	2
Family Atherinidae							
Labidesthes sicculus brook silverside	4	1	-	5	4	6	1
Family Centrarchidae							
Ambloplites rupestris rock bass	2	3	-	1	-	-	-
Lepomis cyanellus green sunfish	-	-	9	7	1	-	-
Lepomis macrochirus bluegill	-	2	10	5	13	2	6
Lepomis megalotis longear sunfish	2	10	27	22	13	1	9

Fish Synoptic List for the Floyds Fork System

Species	Stations 25-1	25-2	26-1	27-1	28-1	28-2	28-3
Lepomis microlophus redear sunfish	-	-	-	-	-	-	3
Micropterus punctulatus spotted bass	-	2	-	3	2	-	-
Micropterus salmoides largemouth bass	-	1	-	1	-	-	1
Family Percidae							
Etheostoma blennioides greenside darter	3	9	2	16	7	6	3
Etheostoma caeruleum rainbow darter	-	17	7	54	8	24	11
Etheostoma flabellare fantail darter	7	17	3	26	31	16	20
Etheostoma nigrum johnny darter	-	2	-	-	15	7	6
Etheostoma zonale banded darter	1	9	-	6	-	-	-
Percina caprodes logperch	-	-	-	1	-	1	-
Percina maculata blackside darter	-	-	-	-	4	-	1
TOTAL INDIVIDUALS	67	290	138	296	201	195	257
TOTAL SPECIES	14	23	19	22	21	19	19
IBI	40	50	44	50	52	46	48
Families	=	9					
Genera	=	22					
Species	=	37					

Additional Fish Species Collected from Floyds Fork Drainage by KDFWR (Axon et al. 1982)

Notropis atherinoides
emerald shiner

Notropis ariommus
popeye shiner

Notropis umbratilus
redfin shiner

Pimephales promelas
fathead minnow

Dorosoma cepedianum
gizzard shad

Ictalurus melas
black bullhead

Noturus miurus
brindled madtom

Micropterus dolomieui
smallmouth bass

Pomoxis nigromaculatus
black crappie

APPENDIX F

Fish Tissue Analysis for
Rock Bass (Ambloplites rupestris) at Station 27-1

PARAMETER	CONCENTRATION
Arsenic, total (mg/kg)	1.9
Cadmium, total (mg/kg)	7.23
Chromium, total (mg/kg)	0.67
Copper, total (mg/kg)	2.68
Mercury, total (mg/kg)	0.100
Lead, total (mg/kg)	25.5
Zinc, total (mg/kg)	30.8
PCBs, (mg/kg)	0.100
Aldrin, (mg/kg)	0.018
Dieldrin, (ug/g)	0.006
DDT, total, (ug/g)	0.138
O,P'DDE, total, (ug/g)	0.040
P,P'DDE, total, (ug/g)	0.073
O,P'DDD, total, (ug/g)	0.040
P,P'DDD, total (ug/g)	0.065
O,P'DDT, total, (ug/g)	0.040
PP'DDT, total, (ug/g)	0.040
Chlordane, (mg/kg)	0.252
Cis Isomer (chlordane) (ug/g)	0.105
Trans Isomer (chlordane) (ug/g)	0.050
Cis Isomer (nonachlor), (ug/g)	-
Trans Isomer (nonachlor), (ug/g)	0.152
Endrin, (mg/kg)	0.002
Methoxychlor, (ug/g)	0.040
Hexachlorobenzene, (ug/kg)	17.8
Pentachlorophenol, (ug/g)	0.001
Hexachlorocyclohexane, alpha BHC, (ug/g)	0.006
Hexachlorocyclohexane, Gamma BHC, (mg/kg)	0.020
Toxaphene, (mg/kg)	0.060

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