APPENDIX F

Stressor Matrix

Table F-1. 1995-1997 MBSS Stressors Matrix

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
HA-N-003-204-96	BU	39.46	-76.17	02130705	Aberdeen Proving Grounds	ROMNEY CR MIDDLE BR	2	2482						1.29			48.03
HA-N-009-105-96	BU	39.44	-76.34	02130702	Lower Winters Run	WINTERS RUN UT1	1	103						1.86			26.21
HA-N-018-103-96	BU	39.57	-76.20	02130706	Swan Creek	SWAN CR	1	185						2.43	23.66		
HA-N-036-206-96	BU	39.53	-76.17	02130706	Swan Creek	CARSINS RUN	2	6737		3.89				1.86			
HA-N-040-307-96	BU	39.46	-76.32	02130702	Lower Winters Run	WINTERS RUN	3	33190		3.44				2.71			
HA-N-052-202-96	BU	39.52	-76.13	02130706	Swan Creek	GASHEYS RUN	2	2628		5.00				2.71			
HA-N-067-111-96	BU	39.50	-76.20	02130701	Bush River	CRANBERRY RUN	1	1413		3.22				1.00		6.95	
HA-N-068-301-96	BU	39.51	-76.31	02130704	Bynum Run	BYNUM RUN	3	8329		4.56				2.43			
HA-N-068-308-96	BU	39.50	-76.31	02130704	Bynum Run	BYNUM RUN	3	8422		4.56				1.00			
HA-N-086-201-96	BU	39.53	-76.27	02130701	Bush River	BROAD RUN	2	1971		3.67				2.14			
HA-N-099-305-96	BU	39.48	-76.28	02130704	Bynum Run	BYNUM RUN	3	13326		4.56				1.57			
HA-P-001-205-96	BU	39.58	-76.44	02130703	Atkisson Reservoir	EAST BR	2	4179		5.00				2.11			
HA-P-062-207-96	BU	39.55	-76.34	02130704	Bynum Run	BYNUM RUN	2	2747		2.56				1.89	5.25	8.97	
HA-P-128-104-96	BU	39.55	-76.48	02130703	Atkisson Reservoir	WEST BR WINTERS RUN UT1	1	564	74.00	2.33				3.44	5.78		
HA-P-151-102-96	BU	39.51	-76.34	02130703	Atkisson Reservoir	PLUMTREE RUN	1	1215		2.11				1.67	5.35		46.34
HA-P-164-306-96	BU	39.53	-76.32	02130704	Bynum Run	BYNUM RUN	3	6904		4.11				2.56			
CN-N-004-311-97	CK	39.08	-75.75	02130404	Upper Choptank	TIDY ISLAND CR	3	21137.16		4.00				1.57		6.56	
CN-N-005-103-97	CK	38.93	-75.84	02130404	Upper Choptank	CHOPTANK R UT2	1	2814.31		3.00				2.14		6.34	
CN-N-016-107-97	CK	39.08	-75.79	02130404	Upper Choptank	BROADWAY BR	1	182.06						1.29	6.15	7.07	
CN-N-020-109-96	CK	38.98	-75.84	02130404	Upper Choptank	FORGE BR UT1	1	1685		3.75				1.86	34.72	6.82	
CN-N-024-113-96	CK	38.72	-75.96	02130404	Upper Choptank	SKELETON CR	1	536		2.75			1	2.14	28.99	6.77	
CN-N-030-109-97	CK	39.14	-75.78	02130404	Upper Choptank	HARRINGTON BEAVERDAM DITCH UT2	1	419.33						1.57		7.57	
CN-N-039-108-96	CK	39.13	-75.78	02130404	Upper Choptank	HARRINGTON BEAVERDAM DITCH UT1	1	371		3.75			1	1.29		6.75	
CN-N-043-102-97	CK	38.85	-75.79	02130404	Upper Choptank	HERRING RUN	1	2959.67		2.50				1.29	10.73	7.67	
CN-N-044-207-97	CK	38.88	-75.76	02130404	Upper Choptank	BURRSVILLE BR	2	2382.07						1.57		8.52	
CN-N-046-105-97	CK	39.04	-75.80	02130404	Upper Choptank	OLDTOWN BR	1	879.03		2.25				1.29	10.83	6.43	
CN-N-050-102-96	CK	39.09	-75.77	02130404	Upper Choptank	COOLSPRING BR	1	1053		3.50				1.86		6.89	
CN-N-051-202-96	CK	38.99	-75.78	02130404	Upper Choptank	GRAVELLY BR	2	10850		3.75				1.86		6.88	
CN-N-058-120-97	CK	38.76	-75.95	02130404	Upper Choptank	MITCHELL RUN	1	463.4						2.71		6.36	
CN-S-010-117-97	CK	38.70	-75.90	02130403	Lower Choptank	HUNTING CR	1	6254.24						2.43		6.24	
QA-N-040-206-96	CK	38.98	-75.97	02130405	Tuckahoe Creek	BLOCKSTON BR	2	4233		4.00				1.86		6.92	

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
HA-N-003-204-96	BU									11.40																								
HA-N-009-105-96	BU																8	9			7	8					0.00		GR	6	5		18.50	
HA-N-018-103-96	BU	80.00															10	2	5	7	6	7	6	90				FR	FR				14.25	
HA-N-036-206-96	BU																10		8		3		6					FR	LN		7			
HA-N-040-307-96	BU						2.50										10										10.00	FR	PV	5				
HA-N-052-202-96	BU						2.32															9	5					FR	GR					
HA-N-067-111-96	BU																	10				6	8					FR	FR					
HA-N-068-301-96	BU						2.25						X														3.00	FR	GR	5				
HA-N-068-308-96	BU						2.18												10	10							8.00	FR	PV	5				
HA-N-086-201-96	BU						3.25															6	8					FR	FR	4				
HA-N-099-305-96	BU						2.25															10	9					FR	FR	9				
HA-P-001-205-96	BU						2.81															8						OF	PV					
HA-P-062-207-96	BU						2.18										8	4	6		0	3	5	90				FR	LN	8	10			
HA-P-128-104-96	BU	85.64			192.60	AGR	3.07										6	7	8	7	8	6	6				5.00	OF	LN	10			8.00	
HA-P-151-102-96	BU						2.46							X			8		6	6	10	1					0.00	PV	PV	0	0		13.25	
HA-P-164-306-96	BU						2.16						X					5				6	5	80			0.00	SL	PA	6				PC
CN-N-004-311-97	CK																					10		98				FR	FR		8			
CN-N-005-103-97	CK				188.60	AGR	8.90															10						FR	OF					
CN-N-016-107-97	CK				191.30	AGR		4.30					X				5	3	2	6	6	2		100		20	4.00	OF	CP	7		18.00	9.00	
CN-N-020-109-96	CK				95.40	AGR	4.06											10	8	10	4	5		100			10.00	FR	OF		6			
CN-N-024-113-96	CK				100.30	ORG & AD				15.90								10	4	8	2	9	10	85				FR	CP					
CN-N-030-109-97	CK								25.34																									
CN-N-039-108-96	CK				191.50	ORG & AD				9.10			X	X				6	7		5	2		100		5	4.00	TG	CP	6				
CN-N-043-102-97	CK						6.67						X				6	5	5	5	7	5		90		10	5.00	LN	CP	6			19.75	
CN-N-044-207-97	CK																																	
CN-N-046-105-97	CK				64.10	AD							X				6	5	4	6	6	3		100		10	5.00	OF	CP	6			19.25	
CN-N-050-102-96	CK				167.90	AD							X									7						OF	FR					
CN-N-051-202-96	CK				165.40	AGR	4.40																					FR	FR					
CN-N-058-120-97	CK				90.80	AGR	2.52			16.30																								
CN-S-010-117-97	CK	77.35					8.47																											
QA-N-040-206-96	CK						4.59															5	10	100				FR	CP					

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
QA-N-047-204-96	CK	39.06	-75.87	02130405	Tuckahoe Creek	MASON BR UT2	2	7862		4.00				1.86		7.27	
QA-N-052-202-97	CK	39.07	-75.85	02130405	Tuckahoe Creek	MASON BR	2	10829.34		4.50				1.86		6.26	
QA-N-085-307-97	CK	39.02	-75.89	02130405	Tuckahoe Creek	MASON BR	3	28211.52		4.50				2.14	28.99	6.93	
QA-N-085-312-97	CK	39.02	-75.90	02130405	Tuckahoe Creek	MASON BR	3	28328.19		4.50				2.43	25.92	6.32	
QA-N-098-308-96	CK	39.03	-75.88	02130405	Tuckahoe Creek	MASON BR	3	24341		4.25				2.71		7.20	
QA-N-098-308-97	CK	39.03	-75.88	02130405	Tuckahoe Creek	MASON BR	3	23533.13		4.75				1.86		6.45	
QA-N-098-309-96	CK	39.04	-75.88	02130405	Tuckahoe Creek	MASON BR	3	23268		4.75				2.43		6.86	
QA-N-098-315-97	CK	39.04	-75.88	02130405	Tuckahoe Creek	MASON BR	3	22297.38		5.00				1.86		6.04	
TA-N-011-106-97	CK	38.63	-76.02	02130403	Lower Choptank	EASTERN BR BOLINGBROKE CR	1	367.25		1.75				1.29	16.94	6.37	
TA-N-031-204-97	CK	38.66	-75.99	02130404	Upper Choptank	MILES CR UT1	2	417.73						2.14		7.11	
TA-N-031-208-97	CK	38.66	-75.98	02130404	Upper Choptank	MILES CR UT1	2	268.23						1.00			
TA-N-035-105-96	CK	38.88	-75.98	02130405	Tuckahoe Creek	TUCKAHOE CR UT2	1	1823		4.50				1.57		6.82	
TA-N-048-112-96	CK	38.69	-76.05	02130404	Upper Choptank	MILES CR	1	1118						1.86		6.55	
TA-N-053-201-96	CK	38.84	-76.00	02130404	Upper Choptank	BEAVERDAM BR	2	604		3.50				2.71	25.50	6.60	
TA-N-053-203-97	CK	38.84	-76.00	02130404	Upper Choptank	BEAVERDAM BR	2	673.67		2.50				3.29	15.30	6.33	
TA-N-070-101-96	CK	38.65	-76.07	02130403	Lower Choptank	TRAPPE CR UT1	1	405						2.14			
TA-N-071-107-96	CK	38.85	-76.01	02130404	Upper Choptank	BEAVERDAM BR	1	308						2.43		6.81	
TA-N-999-108-97	CK	38.75	-76.06	02130403	Lower Choptank	TRED AVON R UT1	1	274.76						2.14	6.35	8.30	
KE-N-045-108-95	CR	39.31	-75.78	02130510	Upper Chester River	CYPRESS BR UT1	1	1386.96		1.00	1		1	1.29	7.11	7.16	
KE-N-054-114-95	CR	39.14	-76.23	02130505	Lower Chester River	GRAYS INN CR	1	811.86	50.00	1.00	1			1.86	3.45		
KE-N-067-213-95	CR	39.19	-76.17	02130506	Langford Creek	WEST FORK LANGFORD CR	2	1887.2		2.75				1.86			
KE-N-096-102-95	CR	39.19	-76.22	02130505	Lower Chester River	SWAN CR	1	356.55		2.75			1	1.86		7.34	
KE-N-128-122-95	CR	39.29	-76.03	02130509	Middle Chester River	MORGAN CR UT1	1	865.07		4.00				1.57	24.67	6.72	
QA-N-030-128-95	CR	38.99	-76.08	02130503	Wye River	WYE EAST R UT1	1	668.41		2.50				2.43	3.31	6.45	
QA-N-031-202-95	CR	39.09	-76.05	02130508	Southeast Creek	ISLAND CREEK	2	2591		2.50				1.57	34.47	7.84	
QA-N-031-203-95	CR	39.08	-76.05	02130508	Southeast Creek	ISLAND CREEK	2	2558.81		4.25				2.14	41.73		
QA-N-031-225-95	CR	39.08	-76.05	02130508	Southeast Creek	ISLAND CREEK	2	2542.39		3.50				1.57	34.47		
QA-N-041-109-95	CR	39.19	-75.78	02130510	Upper Chester River	ANDOVER BR	1	3125.31		3.75				1.86	7.48	6.73	
QA-N-041-113-95	CR	39.17	-75.79	02130510	Upper Chester River	ANDOVER BR	1	952.47		2.50				1.57	2.30	6.82	
QA-N-042-116-95	CR	39.05	-76.06	02130507	Corsica River	GRAVEL RUN	1	1464.49		4.00				2.14	21.36	6.85	
QA-N-059-125-95	CR	39.20	-75.82	02130510	Upper Chester River	UNICORN BR UT1	1	828.53		3.75				2.14	12.06	6.78	

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
QA-N-047-204-96	CK						4.57						X													15	4.00	OF	PA					
QA-N-052-202-97	CK												X	X				7				4		95		10	0.00		CP	7	6			
QA-N-085-307-97	CK						3.18						X					7	5	8				80		20	2.00	OF	LN	6				
QA-N-085-312-97	CK						3.53						X				10	8	5	7	7	8		95		10	10.00	OF	FR	3				
QA-N-098-308-96	CK				193.70	AGR	3.65						X									5					14.00	OF	FR	6				
QA-N-098-308-97	CK						2.90						X						10			7				20		TG	FR	6				
QA-N-098-309-96	CK						3.62						X									5				20		OF	FR					
QA-N-098-315-97	CK						2.10			10.90			X						10	10		6				20	14.00	TG	FR	2				
TA-N-011-106-97	CK	79.21					2.47		30.31								5	5	6	7	7	9	3	80				FR	CP				11.00	
TA-N-031-204-97	CK									18.10																								
TA-N-031-208-97	CK		4.10		-124.60	ORG & AD				31.60																								
TA-N-035-105-96	CK						12.92												9		9			95			3.00	OF	CP	10	8			
TA-N-048-112-96	CK				150.40	AGR	5.91																											
TA-N-053-201-96	CK	85.60					5.29						X						5	10	6	4	10	100			10.00	FR	CP			18.00	17.00	
TA-N-053-203-97	CK	82.48					5.96										7	8	5	7	8	10		80			13.00	FR	OF	5			8.50	
TA-N-070-101-96	CK				35.60	AD			48.01																									
TA-N-071-107-96	CK	85.71					3.74																											
TA-N-999-108-97	CK							3.60									4	4	3	6	6	5		100				FR	PV	6			4.00	
KE-N-045-108-95	CR		4.91	4.52	7.58	ORG		3.20		21.00							5	10	2	6	3			100	20			FR	FR				3.00	
KE-N-054-114-95	CR								29.42	20.00			X				6	3	3	2	6	4		100				FR	FR	6	6	18.00	12.75	
KE-N-067-213-95	CR						6.27						X					6	8		0			100				OF	FR					
KE-N-096-102-95	CR				100.36	ORG & AD		0.80		20.00			X			X		5	3		0	4		100				OF	OF					
KE-N-128-122-95	CR	86.18															7	3	6	4	6		6				2.00	OF	PV	1				
QA-N-030-128-95	CR																3	3	4	1	5	4	6	100				OF	LN	6		19.00	13.00	
QA-N-031-202-95	CR							1.20		9.00		X	X				5	3	3		0	7	2	100				FR		6				
QA-N-031-203-95	CR							2.70		8.00			X				6	5	6		5	3	4	100				FR	CP	6				
QA-N-031-225-95	CR							4.20		9.00			X				6	2	6		1	4	4	100				FR	CP					
QA-N-041-109-95	CR							1.50		11.00			X				6	5	5	6	6	5	4	100				PA	PA	5	5			
QA-N-041-113-95	CR							4.40		16.00			X				2	1	1	3	0	4		100			5.00	OF	PA	6	5		17.75	
QA-N-042-116-95	CR	82.17					3.28						X		X		10	1	8	9	6		6				10.00	OF	PK	1	0		18.00	
QA-N-059-125-95	CR							2.10		16.00			X				6	4	5	6	6	5		100	20			OF	OR	6			5.75	PC

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
QA-N-066-207-95	CR	39.09	-76.06	02130508	Southeast Creek	ISLAND CREEK	2	3454.8		3.25				2.71			
QA-N-071-110-95	CR	39.10	-76.06	02130508	Southeast Creek	ISLAND CREEK UT1	1	489.8						2.43		6.60	
QA-N-086-126-95	CR	38.97	-76.05	02130503	Wye River	WYE EAST R UT2	1	1291.79	50.00	2.50				2.14	6.22	7.06	
CE-N-040-119-96	EL	39.49	-75.80	02130602	Bohemia River	LABBIDE MILL CR	1	530		2.75				1.29			
CE-P-004-102-96	EL	39.63	-75.97	02130608	Northeast River	STONY RUN	1	1455		4.33				2.33			
CE-P-009-303-96	EL	39.69	-75.83	02130606	Big Elk Creek	BIG ELK CR	3	29559		4.11				2.56			
CE-P-012-210-96	EL	39.63	-76.04	02130609	Furnace Bay	PRINCIPIO CR	2	5068		4.78				2.56			
CE-P-012-212-96	EL	39.63	-76.04	02130609	Furnace Bay	PRINCIPIO CR	2	4919		4.78				2.56			
CE-P-020-118-96	EL	39.63	-75.89	02130605	Little Elk Creek	WEST BR LAUREL RUN	1	947		2.33				2.56	23.99		
CE-P-038-205-96	EL	39.68	-75.99	02130608	Northeast River	NORTHEAST CR	2	10646		3.89				2.78			
CE-P-038-209-96	EL	39.67	-75.99	02130608	Northeast River	NORTHEAST CR	2	11479		3.67				2.11		6.38	
CE-P-046-207-96	EL	39.63	-75.95	02130608	Northeast River	NORTHEAST CR	2	15113		3.67				2.11			
CE-P-081-114-96	EL	39.64	-75.87	02130605	Little Elk Creek	LITTLE ELK CR	1	17872		4.33				1.89		6.21	
CE-P-999-105-96	EL	39.66	-75.81	02130607	Christina River	WEST BR	1	886		3.00				2.56		6.88	
BA-P-015-120-96	GU	39.48	-76.70	02130805	Loch Raven Reservoir	BAISMANS RUN	1	454		1.89		1		4.33			
BA-P-055-103-96	GU	39.53	-76.56	02130804	Little Gunpowder Falls	PARKER BR UT1	1	177						2.56	5.25		
BA-P-057-209-96	GU	39.51	-76.60	02130805	Loch Raven Reservoir	GREENE BR	2	2225		2.78				3.44	20.13		
BA-P-065-119-96	GU	39.59	-76.72	02130805	Loch Raven Reservoir	BUSH CABIN RUN	1	626		1.89		1		3.00	37.81		
BA-P-103-124-96	GU	39.54	-76.62	02130805	Loch Raven Reservoir	CARROLL BR UT1	1	144						2.78	18.84		
BA-P-116-114-96	GU	39.60	-76.75	02130806	Prettyboy Reservoir	PRETTYBOY BR	1	90						1.67	12.00		
BA-P-124-302-96	GU	39.68	-76.70	02130805	Loch Raven Reservoir	LITTLE FLS	3	7054		3.22				2.78			
BA-P-143-104-96	GU	39.49	-76.75	02130805	Loch Raven Reservoir	WATERSPOUT RUN	1	948		2.78				4.33			
BA-P-203-215-96	GU	39.43	-76.52	02130802	Lower Gunpowder Falls	COWEN RUN	2	1913		3.00				2.78			
BA-P-302-115-96	GU	39.47	-76.77	02130805	Loch Raven Reservoir	COUNCILMANS RUN	1	605		2.11				3.67	11.57		
BA-P-315-301-96	GU	39.47	-76.49	02130802	Lower Gunpowder Falls	LONG GREEN CR	3	5180		2.56				2.33			
BA-P-403-106-96	GU	39.49	-76.69	02130805	Loch Raven Reservoir	OREGON BR	1	1423		2.11				3.00			
BA-P-427-107-96	GU	39.44	-76.49	02130802	Lower Gunpowder Falls	LONG GREEN CR UT1	1	262						2.33	39.75		
CH-S-020-322-95	LP	38.59	-76.84	02140108	Zekiah Swamp	ZEKIAH SWAMP	3	12572.79		4.25				2.71			
CH-S-033-314-95	LP	38.58	-77.10	02140111	Mattawoman Creek	MATTAWOMAN CR	3	40507.05		3.50				2.71		6.72	
CH-S-039-224-95	LP	38.65	-77.08	02140102	Potomac River (Middle-tidal)	MILL SWAMP	2	1723.81		2.00				4.43	34.97		
CH-S-080-222-95	LP	38.60	-77.06	02140111	Mattawoman Creek	MATTAWOMAN CR	2	31253.76		1.00				2.43	6.96	6.43	

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
QA-N-066-207-95	CR									9.00								2	5		0	5	5	100				FR	CP					
QA-N-071-110-95	CR									19.00																								
QA-N-086-126-95	CR							1.10		20.00							7	5	3	3	0	5	10	100				FR	CP				16.75	
CE-N-040-119-96	EL	91.13					7.64											5	10		0			99		25		FR	PA	10				
CE-P-004-102-96	EL												X									7						FR	PV	2				
CE-P-009-303-96	EL						3.08																10					FR	DI					
CE-P-012-210-96	EL	80.17					4.03																					FR	OF					
CE-P-012-212-96	EL	80.28					4.26											6									5.00	FR	PA	10				DM
CE-P-020-118-96	EL				138.90	AD											9	5	7		6	5	6				0.00	SL	FR	6	6			
CE-P-038-205-96	EL	76.21					3.47											9					5				0.00	PA	PA					
CE-P-038-209-96	EL	76.29					3.26											7				5						FR	LN					
CE-P-046-207-96	EL						3.07																					FR	FR					
CE-P-081-114-96	EL						2.42						X							10								FR	TG	10				
CE-P-999-105-96	EL				185.40	AD												6			7	7	9				0.00		SL	7				
BA-P-015-120-96	GU				194.50	AD	2.55												10	10			10					FR	FR				16.75	
BA-P-055-103-96	GU																5	6	6	6	7	3	3	90				FR	FR	7			10.75	
BA-P-057-209-96	GU						2.30						X				10	10	7	7		6					0.00	DI	LN	1				
BA-P-065-119-96	GU	86.58					4.58												9	8		10						FR	FR				15.75	
BA-P-103-124-96	GU	88.19					2.71										10		8	8	10	9	8					LN	LN	5			17.50	
BA-P-116-114-96	GU	91.11					4.82										10		6	9	7	6	3				10.00	FR	CP				5.50	
BA-P-124-302-96	GU						4.67																					FR	FR	10				
BA-P-143-104-96	GU																		10			8	10				5.00	FR	PA				16.00	
BA-P-203-215-96	GU																					9	6				3.00	OF	LN	7				
BA-P-302-115-96	GU												X				10		6	5	6	4	7				3.00	OF	CP	6			7.50	DM
BA-P-315-301-96	GU	75.19					4.00										8	6				4	3			25	0.00	PA	PV	5				DM
BA-P-403-106-96	GU						2.41															6	4				10.00	FR	OF	6	6			
BA-P-427-107-96	GU						4.85															7	10					FR	LN					
CH-S-020-322-95	LP				193.55	AD												8	8		2	5	8		20			FR	FR					
CH-S-033-314-95	LP				107.92	AD																10	7				10.00	FR	RR		7			
CH-S-039-224-95	LP				109.99	AD											7		8	8	10	8	7				2.00	FR	DI	6				
CH-S-080-222-95	LP				39.95	AD		1.80									7	3	1	2	0	5		100				FR	FR				15.00	

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
CH-S-105-119-95	LP	38.51	-77.17	02140110	Nanjemoy Creek	JANE BERRY'S RUN ut1	1	401.12		3.25				2.71	18.55		
CH-S-139-116-95	LP	38.64	-76.79	02140108	Zekiah Swamp	ZEKIAH SWAMP RUN	1	1664.1		2.25				1.86	13.28	7.03	
CH-S-139-118-95	LP	38.67	-76.79	02140108	Zekiah Swamp	ZEKIAH SWAMP RUN	1	70.27						1.00			45.03
CH-S-156-206-95	LP	38.48	-76.85	02140107	Gilbert Swamp	GILBERT RUN	2	1921.29		4.00				1.86	15.59	6.12	
CH-S-177-129-95	LP	38.49	-77.22	02140110	Nanjemoy Creek	BEAVER DAM CR	1	886.24		2.75			1	2.71		6.41	
CH-S-188-134-95	LP	38.55	-76.81	02140108	Zekiah Swamp	MILL DAM RUN	1	258.87						2.43	18.88	6.71	
CH-S-213-120-95	LP	38.40	-77.19	02140110	Nanjemoy Creek	NANJEMOY CR UT1	1	493.47		1.75				1.00	3.84	6.41	
CH-S-270-318-95	LP	38.47	-76.85	02140107	Gilbert Swamp	GILBERT SWAMP RUN	3	11676.13		2.50				3.86	13.54		
CH-S-293-136-95	LP	38.58	-76.90	02140108	Zekiah Swamp	PINEY BR UT1	1	281.11	68.00		1			2.71	1.16		
PG-S-005-220-95	LP	38.63	-77.04	02140111	Mattawoman Creek	MATTAWOMAN CR	2	28038.91						1.57		6.26	
PG-S-032-209-95	LP	38.65	-76.89	02140111	Mattawoman Creek	MATTAWOMAN CR	2	8470.54		2.25				2.43		6.84	
SM-S-007-138-95	LP	38.25	-76.44	02140103	St. Mary's River	PEMBROOK RUN	1	453.41	71.00	1.00				2.43	4.74		27.77
SM-S-036-107-95	LP	38.32	-76.75	02140105	St. Clement Bay	DYNARD RUN	1	903.81		2.50				3.57	33.24		
SM-S-104-126-95	LP	38.39	-76.68	02140105	St. Clement Bay	ST CLEMENS CR UT2	1	125.25						2.43	10.73	6.50	26.89
SM-S-116-214-95	LP	38.39	-76.85	02140106	Wicomico River	BUDDS CR	2	3188.51						2.14		6.24	
SM-S-209-105-95	LP	38.29	-76.69	02140105	St. Clement Bay	CECIL CR	1	590.37		1.00				2.71	14.06		
CR-P-019-248-96	MP	39.63	-77.03	02140304	Double Pipe Creek	BEAR BR	2	2314		1.29				2.33			
CR-P-021-329-96	MP	39.55	-77.17	02140304	Double Pipe Creek	SAM'S CR	3	10743		2.71				1.00			
CR-P-035-216-96	MP	39.68	-77.08	02140304	Double Pipe Creek	SILVER RUN	2	4849		4.14				1.00		6.76	
CR-P-094-349-96	MP	39.56	-77.07	02140304	Double Pipe Creek	TURKEY FOOT RUN	3	7338		4.43				1.67			
CR-P-116-316-96	MP	39.65	-77.23	02140303	Upper Monocacy River	PINEY CR	3	20936		3.00				1.44		7.30	
CR-P-116-327-96	MP	39.65	-77.23	02140303	Upper Monocacy River	PINEY CR	3	20988		3.29				1.22		7.13	
CR-P-142-324-96	MP	39.69	-77.15	02140303	Upper Monocacy River	PINEY CR	3	11930		3.86				2.78	31.34		
CR-P-156-314-96	MP	39.71	-77.11	02140303	Upper Monocacy River	PINEY CR	3	6949		5.00				2.78		6.63	
CR-P-156-361-96	MP	39.72	-77.11	02140303	Upper Monocacy River	PINEY CR	3	6919		4.43				2.56			
CR-P-158-123-96	MP	39.54	-77.13	02140304	Double Pipe Creek	PRIESTLAND BR	1	95			1			1.44	7.00	9.97	
CR-P-162-207-96	MP	39.62	-77.15	02140304	Double Pipe Creek	MEADOW BR	2	1198		2.14				1.67		6.63	
CR-P-243-333-96	MP	39.66	-77.00	02140304	Double Pipe Creek	BIG PIPE CR	3	12950		5.00				2.33			
CR-P-249-103-96	MP	39.60	-77.20	02140304	Double Pipe Creek	BIG PIPE CR UT1	1	197			1			2.33	7.99		
CR-P-249-113-96	MP	39.60	-77.20	02140304	Double Pipe Creek	BIG PIPE CR UT1	1	119	73.00		1			2.56	2.48		
CR-P-263-332-96	MP	39.57	-77.07	02140304	Double Pipe Creek	LITTLE PIPE CR	3	6629		2.71				2.33	4.23		

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
CH-S-105-119-95	LP				107.50	AD											6	4		6	8		7	80				FR	DI	3	6			
CH-S-139-116-95	LP				17.08	AD		2.50								X	6	2	3	7	7	5		90				FR	FR				18.00	
CH-S-139-118-95	LP						52.87		31.02	120.00																								
CH-S-156-206-95	LP				161.41	AD							X				5	5	10	6		8	3	90				FR	HO		9		13.75	
CH-S-177-129-95	LP				19.12	AD		1.20		8.00									4		0			100				FR	FR					
CH-S-188-134-95	LP				76.66	AD											6	2	6	10	10			100				FR	PA	8			10.25	
CH-S-213-120-95	LP		4.95		-11.44	AD		0.30									4	1	1	3	0			100				FR	LO	9			17.75	
CH-S-270-318-95	LP				174.49	AD							X				6		4	4	8	8	4					FR	OF	10		17.00	3.75	
CH-S-293-136-95	LP			4.86	17.36	AD											0	0	3	1	2	2	8	100			0.00		HO	0	1	12.00	5.50	
PG-S-005-220-95	LP		4.94		-6.42	AD																												
PG-S-032-209-95	LP				130.69	AD		3.20									6	5										FR	HO	8				
SM-S-007-138-95	LP				50.89	AD		2.20									5	4	2	1	6		7	100				FR	FR				6.75	
SM-S-036-107-95	LP																7	6	8	6	10	7	10					FR	FR				9.75	
SM-S-104-126-95	LP				69.82	AD											5	3	6	6	6	5	7	95				FR	FR	6			10.00	
SM-S-116-214-95	LP				72.17	AD																												
SM-S-209-105-95	LP				107.35	AD		3.50									3	1	6	8	2	4	5	100				FR	CP	6	10			
CR-P-019-248-96	MP	80.64					5.19											10				10	8				0.00		PA	7				
CR-P-021-329-96	MP	77.88					5.36												10		7	5					0.00			7				
CR-P-035-216-96	MP						3.25																					FR	OF					
CR-P-094-349-96	MP						5.56																10				0.00		CP	2				
CR-P-116-316-96	MP	81.76					4.03															10	7				4.00	FR	CP					
CR-P-116-327-96	MP	81.71					4.02																7				0.00		CP					
CR-P-142-324-96	MP	81.45					2.98							X				7			10	5	6	85			0.00		PA	8	9			
CR-P-156-314-96	MP	82.66					4.57																8				0.00		PA					
CR-P-156-361-96	MP	82.63					4.60																9				0.00		PA					
CR-P-158-123-96	MP	96.84					23.73		44.72				X				8		6	6	10	3	6				0.00		PV	3	10	17.00	5.75	
CR-P-162-207-96	MP	83.81					8.10															9					0.00		PA				16.75	
CR-P-243-333-96	MP						3.61																7					TG	FR					
CR-P-249-103-96	MP	88.32					4.44		32.35								7	10	7		8		8					FR	PA				6.25	
CR-P-249-113-96	MP	87.39					6.41		35.34								5	7	6		2	9	9					FR	PA		9	15.00	5.75	
CR-P-263-332-96	MP						6.90										9	10	8		0		10				10.00	OF	PV	4	9			

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
CR-P-274-104-96	MP	39.58	-77.11	02140304	Double Pipe Creek	ROOP BR	1	309		1.00				2.11			
CR-P-295-128-96	MP	39.58	-77.01	02140304	Double Pipe Creek	COPPS BR	1	291						1.44	3.41		
CR-P-365-219-96	MP	39.60	-77.09	02140304	Double Pipe Creek	MEADOW BR	2	4803		3.86				2.56			
CR-P-400-144-96	MP	39.64	-77.15	02140304	Double Pipe Creek	BIG PIPE CR UT2	1	114			1			1.22	3.69		
CR-P-406-102-96	MP	39.67	-77.16	02140303	Upper Monocacy River	PINEY CR UT2	1	422		3.00				1.44	27.92	6.52	
CR-P-434-138-96	MP	39.50	-77.11	02140304	Double Pipe Creek	SAMS CR UT1	1	156			1			2.11	2.48	9.53	
FR-B-032-206-96	MP	39.70	-77.46	02140303	Upper Monocacy River	FRIENDS CR	2	1300		3.00				1.89			
FR-B-046-127-96	MP	39.51	-77.51	02140305	Catoctin Creek	LITTLE CATOCTIN CR 1 UT1	1	301		1.00	1			3.22	8.95		
FR-B-076-118-96	MP	39.35	-77.62	02140301	Potomac River (Frederick County)	LITTLE CATOCTIN CR 2 UT1	1	210						1.67	19.80		
FR-B-081-229-96	MP	39.63	-77.46	02140303	Upper Monocacy River	HUNTING CR	2	2427		2.71		1		2.11		6.11	
FR-B-085-212-96	MP	39.49	-77.57	02140305	Catoctin Creek	CATOCTIN CR	2	22944						1.44		6.43	
FR-B-133-222-96	MP	39.66	-77.48	02140303	Upper Monocacy River	OWENS CR	2	1229		4.14		1		2.11			
FR-B-164-137-96	MP	39.62	-77.53	02140305	Catoctin Creek	MIDDLE CR	1	762		2.71				2.11	26.70		
FR-P-005-141-96	MP	39.44	-77.49	02140302	Lower Monocacy River	ROCK CR	1	551		1.00				1.44	14.84		
FR-P-009-341-96	MP	39.71	-77.32	02140303	Upper Monocacy River	FLAT RUN	3	6702		3.86				1.44			
FR-P-009-347-96	MP	39.71	-77.32	02140303	Upper Monocacy River	FLAT RUN	3	6074		3.57				1.00		6.38	
FR-P-015-304-96	MP	39.32	-77.33	02140302	Lower Monocacy River	BENNET CR	3	16580		4.71				2.33			
FR-P-038-139-96	MP	39.70	-77.36	02140303	Upper Monocacy River	TURKEY CR	1	1441		1.00				2.56			
FR-P-046-227-96	MP	39.56	-77.18	02140304	Double Pipe Creek	HAINES BR	2	1967		2.14				1.67		6.13	
FR-P-050-354-96	MP	39.49	-77.32	02140302	Lower Monocacy River	CABBAGE RUN	3	4448		2.71				2.11			
FR-P-093-237-96	MP	39.49	-77.44	02140303	Upper Monocacy River	TUSCARORA CR	2	7693		1.57				2.56	23.62		
FR-P-093-238-96	MP	39.49	-77.43	02140303	Upper Monocacy River	TUSCARORA CR	2	7712		1.57				2.56	10.37		
FR-P-100-117-96	MP	39.39	-77.48	02140302	Lower Monocacy River	BALLENGER CR UT1	1	436		2.43				3.89	19.48		
FR-P-103-230-96	MP	39.38	-77.46	02140302	Lower Monocacy River	BALLENGER CR	2	2598		3.00				2.78	11.57		
FR-P-111-134-96	MP	39.66	-77.27	02140303	Upper Monocacy River	MONOCACY R UT3	1	315		2.43				1.00	6.12	6.86	
FR-P-116-221-96	MP	39.50	-77.29	02140302	Lower Monocacy River	CABBAGE RUN	2	2138		3.29				2.33	17.04	6.01	
FR-P-156-217-96	MP	39.43	-77.18	02140302	Lower Monocacy River	SOUTH FORK LINGANORE CR	2	4374		3.86				2.56			
FR-P-156-234-96	MP	39.43	-77.19	02140302	Lower Monocacy River	SOUTH FORK LINGANORE CR	2	4865		4.14				2.78			
FR-P-168-218-96	MP	39.33	-77.47	02140301	Potomac River (Frederick County)	TUSCARORA CR	2	2685		2.14				1.22	25.13		
FR-P-214-303-96	MP	39.59	-77.34	02140303	Upper Monocacy River	OWENS CR	3	25147		4.43				2.11			
FR-P-214-342-96	MP	39.59	-77.34	02140303	Upper Monocacy River	OWENS CR	3	25485		4.71				1.67			

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
CR-P-274-104-96	MP	90.29					10.25										8					7	8					OF	CP	10			18.75	
CR-P-295-128-96	MP	76.29					4.01										6	10	6		6	8	4	90		20	0.00		PA	6			10.50	
CR-P-365-219-96	MP	78.26					5.01															10	6			10	0.00		PA	5				
CR-P-400-144-96	MP	85.96					2.65		27.21								8		6	1	6	5	8	80		4	0.00		CP	2	7	15.00	2.75	
CR-P-406-102-96	MP	90.52					5.54		28.49										10				8				0.00		CP	3				
CR-P-434-138-96	MP	80.13					5.80										6	5	6		6	2	1	80				FR	FR		3		14.00	
FR-B-032-206-96	MP																	5	10								10.00	FR	PK		2		18.50	
FR-B-046-127-96	MP																6		7	6	10						0.00	PA				16.00	8.25	
FR-B-076-118-96	MP	79.05					3.32											4	9	9	8	7					5.00	FR	OF				10.00	
FR-B-081-229-96	MP																		10									FR	LN	6				AC
FR-B-085-212-96	MP																																	
FR-B-133-222-96	MP																		10									FR	FR	5				
FR-B-164-137-96	MP																	4	9	10	10							FR	FR				11.75	
FR-P-005-141-96	MP												X					7			5			100			14.00	FR	PV	4	5			
FR-P-009-341-96	MP								27.17																		3.00	FR	LN	7	6			
FR-P-009-347-96	MP								26.26									10					8				0.00		DI	4	6			
FR-P-015-304-96	MP						3.71															10	5				0.00		OF	2				
FR-P-038-139-96	MP																		10	10							6.00	LN	FR	7				
FR-P-046-227-96	MP	87.95					7.71		26.44														6			20	0.00		PA	4				
FR-P-050-354-96	MP						2.28		114.45													6	6			15	0.00		PA	6				
FR-P-093-237-96	MP																	5	9								0.00		PA	6	10		16.75	
FR-P-093-238-96	MP																	4	8		5	5				20	0.00		PA	3	10			
FR-P-100-117-96	MP						2.39										9	5	9	10		8					0.00		CP		10		19.00	
FR-P-103-230-96	MP						4.54						X				6	6	7	8		7	8				0.00		PV	5	7			
FR-P-111-134-96	MP	94.92					7.96		28.01								10	6	6		8	5	4	90		10	0.00		PA	6			11.25	
FR-P-116-221-96	MP						2.71										8		9			10	5			10	0.00		PA	3	3			
FR-P-156-217-96	MP						3.10										10					10						OF	FR					
FR-P-156-234-96	MP						3.01															9					0.00		PA	9				
FR-P-168-218-96	MP						5.51		25.86				X					7	9			6	10	100			3.00	FR	CP	7	9			
FR-P-214-303-96	MP																						9					FR	CP					
FR-P-214-342-96	MP																	4				6	8					FR	CP					

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
FR-P-223-225-96	MP	39.56	-77.21	02140304	Double Pipe Creek	BEAVER DAM CR	2	3927		2.43				2.56			
FR-P-223-240-96	MP	39.56	-77.21	02140304	Double Pipe Creek	BEAVER DAM BR	2	3570		1.57				1.44	27.51	7.30	
FR-P-258-202-96	MP	39.51	-77.38	02140303	Upper Monocacy River	FISHING CR	2	5107		3.57				2.56			
FR-P-258-243-96	MP	39.51	-77.38	02140303	Upper Monocacy River	FISHING CR	2	5046		3.57				1.89		6.71	
FR-P-261-122-96	MP	39.60	-77.39	02140303	Upper Monocacy River	HUNTING CR UT1	1	719		3.29				1.22	4.07	6.90	
FR-P-263-311-96	MP	39.28	-77.49	02140301	Potomac River (Frederick County)	TUSCARORA CR	3	10274		2.71				1.89		6.21	
FR-P-265-335-96	MP	39.72	-77.29	02140303	Upper Monocacy River	MIDDLE CR	3	16053		4.14				1.44			
FR-P-265-351-96	MP	39.72	-77.29	02140303	Upper Monocacy River	MIDDLE CR	3	15993		4.43				2.11			
FR-P-275-239-96	MP	39.36	-77.26	02140302	Lower Monocacy River	CHURCH BR OF BUSH CR	2	3108		4.71				2.56			
FR-P-277-115-96	MP	39.39	-77.48	02140302	Lower Monocacy River	BALLENGER CR UT2	1	663		2.14				2.56	18.53		
FR-P-290-121-96	MP	39.30	-77.50	02140301	Potomac River (Frederick County)	TUSCARORA CR UT1	1	442		1.57				1.67	7.99	7.58	
FR-P-294-313-96	MP	39.57	-77.39	02140303	Upper Monocacy River	HUNTING CR	3	14748		3.57				1.89		6.18	
FR-P-294-357-96	MP	39.57	-77.39	02140303	Upper Monocacy River	HUNTING CR	3	14497		3.86				2.56		6.46	
FR-P-298-308-96	MP	39.61	-77.34	02140303	Upper Monocacy River	OWENS CR	3	19413		4.14				2.78			
FR-P-300-130-96	MP	39.58	-77.36	02140303	Upper Monocacy River	MONOCACY R UT2	1	834		1.29				1.00	5.67	6.73	
FR-P-302-334-96	MP	39.64	-77.38	02140303	Upper Monocacy River	OWENS CR	3	9961		4.43				1.67			
FR-P-319-352-96	MP	39.61	-77.36	02140303	Upper Monocacy River	OWENS CR	3	16950		5.00				2.56			
FR-P-321-214-96	MP	39.43	-77.20	02140302	Lower Monocacy River	WOODVILLE BR	2	4427		4.43				2.33			
FR-P-335-110-96	MP	39.44	-77.40	02140302	Lower Monocacy River	MONOCACY R UT1	1	502		2.43				1.44	3.55		
FR-P-349-204-96	MP	39.38	-77.47	02140302	Lower Monocacy River	BALLENGER CR	2	3530		4.43				2.33			
FR-P-354-321-96	MP	39.25	-77.48	02140301	Potomac River (Frederick County)	TUSCARORA CR	3	12770		3.00				2.78		6.34	
FR-P-371-132-96	MP	39.65	-77.32	02140303	Upper Monocacy River	MOTTER'S RUN	1	758		1.57				1.22	8.95	6.13	
FR-P-377-242-96	MP	39.30	-77.28	02140302	Lower Monocacy River	BENNETT CR	2	6295		3.86				2.33			
FR-P-388-208-96	MP	39.45	-77.15	02140302	Lower Monocacy River	TALBOT BR	2	3036		3.57				1.67			
FR-P-388-246-96	MP	39.45	-77.14	02140302	Lower Monocacy River	TALBOT BR	2	2736		4.14				2.33	39.75		
FR-P-394-317-96	MP	39.49	-77.31	02140302	Lower Monocacy River	CABBAGE RUN	3	4093		3.00				1.89		6.90	
FR-P-399-126-96	MP	39.48	-77.15	02140302	Lower Monocacy River	WELDON CR UT1	1	228						1.67	17.62		
FR-P-409-210-96	MP	39.44	-77.35	02140302	Lower Monocacy River	ADDISON RUN	2	1584		1.57				2.56	16.75	6.11	
FR-P-462-346-96	MP	39.52	-77.17	02140304	Double Pipe Creek	CLEMSON BR	3	2128		1.29				2.33	29.60		
FR-P-474-302-96	MP	39.57	-77.19	02140304	Double Pipe Creek	SAM'S CR	3	14061		1.57				1.67		8.80	
FR-P-479-348-96	MP	39.64	-77.41	02140303	Upper Monocacy River	OWENS CR	3	8419		3.86				2.11			

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
FR-P-223-225-96	MP	82.51					4.71																7				0.00		PV	2				
FR-P-223-240-96	MP	83.64					5.44										9	8				10	8				0.00	PA	PA	7				
FR-P-258-202-96	MP																8	3					4	80			12.00	FR	CP	10				
FR-P-258-243-96	MP																	3				6	6				0.00		CP	6				
FR-P-261-122-96	MP	81.64					3.59										3	2	6								0.00		PA	3	5		18.00	
FR-P-263-311-96	MP						5.45		24.76									4									5.00	FR	PA	8				
FR-P-265-335-96	MP																											FR	FR					
FR-P-265-351-96	MP																											FR	FR					
FR-P-275-239-96	MP						3.38																10				0.00		PA	7				
FR-P-277-115-96	MP						4.09										9	3	7		8	5	7				0.00		CP	6			14.25	
FR-P-290-121-96	MP						4.57											1	7	5	2	3		100			0.00		PA				18.75	
FR-P-294-313-96	MP												X					1	7								2.00	FR	PA	2				
FR-P-294-357-96	MP																	9			9	7	9					FR	CP					
FR-P-298-308-96	MP																										3.00	FR	CP		9			
FR-P-300-130-96	MP	94.60					5.98		33.30								7	6	9	6	5	6	9	100			2.00	FR	CP				14.50	
FR-P-302-334-96	MP																					10					0.00		PA					
FR-P-319-352-96	MP																						10				0.00		PA	5				
FR-P-321-214-96	MP						4.08																5					FR	PA					
FR-P-335-110-96	MP						2.79		30.74								10	1	7		4			80			8.00	LN	PK	6	3			
FR-P-349-204-96	MP						4.16								X				9				5				0.00		SL	7				
FR-P-354-321-96	MP						6.13		25.17								10	2					4	80			11.00	FR	CP	10				
FR-P-371-132-96	MP	93.93					2.70		24.90								8	8	8		8	10	5			20	0.00		PA	6			14.00	
FR-P-377-242-96	MP						3.03															6	6					FR	CP		10			
FR-P-388-208-96	MP						2.83																6				0.00		PA	6				
FR-P-388-246-96	MP						3.12												9				8					FR	GR	5				
FR-P-394-317-96	MP						2.27		125.83													8	6			10	0.00		PA	8				
FR-P-399-126-96	MP						7.10										8		8			8	5				10.00	TG	PA				12.50	
FR-P-409-210-96	MP						3.85										7	3		7	7	9	8			10	0.00		CP					
FR-P-462-346-96	MP	85.34					6.16										9	8										OF	OF					
FR-P-474-302-96	MP	78.88					5.43		24.02														7				0.00		PA					
FR-P-479-348-96	MP												X									8					8.00	FR	PV	3	6			

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
FR-P-516-235-96	MP	39.56	-77.39	02140303	Upper Monocacy River	SANDY RUN	2	2209		3.29				2.78		6.71	
FR-P-545-325-96	MP	39.36	-77.31	02140302	Lower Monocacy River	BUSH CR	3	11917		4.43				2.78			
FR-P-545-345-96	MP	39.36	-77.31	02140302	Lower Monocacy River	BUSH CR	3	11942		4.43				1.67			
WA-B-017-232-96	MP	39.37	-77.67	02140301	Potomac River (Frederick County)	ISRAEL CR	2	3944						2.11		6.56	
WA-B-018-209-96	MP	39.34	-77.69	02140301	Potomac River (Frederick County)	ISRAEL CR	2	6995		3.00				2.56	5.56		
WA-B-018-241-96	MP	39.35	-77.68	02140301	Potomac River (Frederick County)	ISRAEL CR	2	6260		3.00				2.11	33.12	6.32	
AL-A-007-304-96	NO	39.70	-78.84	02141003	Wills Creek	NORTH BR OF JENNINGS RUN	3	8009		1.86				3.22	6.87		
AL-A-054-320-96	NO	39.52	-79.02	02141004	Georges Creek	GEORGES CR	3	38907		2.14				1.67	22.18		
AL-A-187-218-96	NO	39.48	-78.96	02141001	Potomac River (Lower North Branch)	DEEP HOLLOW	2	917		1.00				3.89	23.25		
AL-A-202-121-96	NO	39.60	-78.86	02141001	Potomac River (Lower North Branch)	WARRIOR RUN	1	1255		2.43				3.89			
AL-A-221-107-96	NO	39.52	-79.01	02141004	Georges Creek	GEORGES CR UT1	1	1216		1.00	1			2.33	20.79		
AL-A-229-109-96	NO	39.63	-78.98	02141004	Georges Creek	STAUB RUN	1	578		1.00	1			1.89	18.23		
AL-A-232-313-96	NO	39.65	-78.94	02141004	Georges Creek	SAND SPRING RUN	3	1903		1.86				1.89			
AL-A-254-326-96	NO	39.64	-78.85	02141003	Wills Creek	BRADDOCK RUN	3	6460		2.14		1		1.44			
AL-A-268-221-96	NO	39.56	-78.63	02141001	Potomac River (Lower North Branch)	SEVEN SPRINGS RUN	2	309		1.00				2.56	6.36		
AL-A-281-104-96	NO	39.46	-78.99	02141001	Potomac River (Lower North Branch)	DRY RUN	1	336						2.78			
AL-A-294-325-96	NO	39.56	-78.62	02141001	Potomac River (Lower North Branch)	TRADING RUN	3	5322		3.86				2.56	24.75		
AL-A-296-226-96	NO	39.71	-78.90	02141003	Wills Creek	JENNINGS RUN UT1	2	1337		1.00	1			1.67	17.33		
AL-A-343-307-96	NO	39.51	-79.04	02141004	Georges Creek	GEORGES CR	3	43960		1.29				1.67	30.90		
AL-A-343-330-96	NO	39.51	-79.04	02141004	Georges Creek	GEORGES CR	3	44197		2.14				2.56			
AL-A-380-303-96	NO	39.60	-78.65	02141001	Potomac River (Lower North Branch)	MILL RUN	3	3590		2.14				4.33			
AL-A-413-308-96	NO	39.64	-78.86	02141003	Wills Creek	BRADDOCK RUN	3	6081		2.14		1		1.44			
AL-A-425-314-96	NO	39.68	-78.71	02141002	Evitts Creek	ELK LICK RUN	3	3445		4.14				2.56			
AL-A-465-311-96	NO	39.59	-78.72	02141001	Potomac River (Lower North Branch)	COLLIER RUN	3	6298		2.71				4.56	28.34		
AL-A-465-324-96	NO	39.61	-78.70	02141001	Potomac River (Lower North Branch)	COLLIER RUN	3	5647		2.43				3.89	18.84		
AL-A-480-205-96	NO	39.63	-78.64	02141001	Potomac River (Lower North Branch)	MILL RUN	2	1105		1.29				3.67			
AL-A-485-220-96	NO	39.59	-78.85	02141001	Potomac River (Lower North Branch)	POTOMAC R UT2	2	801		1.00				3.22	23.99		
AL-A-485-227-96	NO	39.58	-78.85	02141001	Potomac River (Lower North Branch)	POTOMAC R UT2	2	1124		1.00				1.44	14.84		
AL-A-567-126-96	NO	39.67	-78.95	02141004	Georges Creek	SAND SPRING RUN UT1	1	161			1			1.67	8.15		
AL-A-585-122-96	NO	39.58	-78.83	02141001	Potomac River (Lower North Branch)	POTOMAC R UT3	1	383		1.29				3.22	30.03		
AL-A-626-216-96	NO	39.55	-78.91	02141001	Potomac River (Lower North Branch)	MILL RUN	2	498		2.71		1		3.67			

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
FR-P-516-235-96	MP																	1					5			25	0.00		PA	6				
FR-P-545-325-96	MP						2.89															8	10				5.00	FR	DI					
FR-P-545-345-96	MP						2.92																10				10.00	FR	DI					
WA-B-017-232-96	MP						3.25																											
WA-B-018-209-96	MP						2.41						X				9	1	8		3							FR	PA		10			
WA-B-018-241-96	MP						2.41															8					2.00	FR	PA	2	2			
AL-A-007-304-96	NO								73.51									7	9	9	5			100				LN	HO	2				
AL-A-054-320-96	NO								235.87				X					5			5	4					0.00		RR	1	2			
AL-A-187-218-96	NO																9	5			7	10						FR	FR				18.50	
AL-A-202-121-96	NO								44.96										10								0.00		PA					
AL-A-221-107-96	NO		4.98	3.95	-3.40	AMD			520.27									2	10			9	9					FR	LN	6	3		12.25	
AL-A-229-109-96	NO			4.72	-10.50	AD												8	8	9	9							FR	FR				11.25	
AL-A-232-313-96	NO				175.70	AMD & AD							X					10									0.00		LN	1	5			
AL-A-254-326-96	NO								346.43				X					3				5					0.00		PK	1	1			
AL-A-268-221-96	NO								28.98								9		8	8	7			100			2.00	FR	OF				9.75	
AL-A-281-104-96	NO				119.80	AMD			31.19																									
AL-A-294-325-96	NO								24.63									5			8		9				0.00		PA	6	7			
AL-A-296-226-96	NO		4.14	4.76	-92.20	AMD			128.98									1			5							FR	LN	6	5		12.00	
AL-A-343-307-96	NO								263.14				X											80		25	11.00	FR	RR	6	1			
AL-A-343-330-96	NO								349.54				X					10				1				15	0.00		PV	0	2			
AL-A-380-303-96	NO								26.48										10			10					7.00	FR	PA	5			18.50	
AL-A-413-308-96	NO								296.74				X					3			2							FR	TG	7	5			
AL-A-425-314-96	NO								49.25				X					4			7						13.00	FR	PV	2	9			
AL-A-465-311-96	NO																		10					100			0.00		PA	5	10			
AL-A-465-324-96	NO																		8	10	10	9		100				FR	FR					
AL-A-480-205-96	NO																					6						FR	FR				14.25	
AL-A-485-220-96	NO				140.60	AD															10							FR	FR		6		9.50	
AL-A-485-227-96	NO												X	X					7	7		1					0.00		PK	1	2		12.75	
AL-A-567-126-96	NO		4.57	4.85	-12.70	AMD			25.54								9	1			4	1						FR	FR		5		13.50	
AL-A-585-122-96	NO						2.46		37.01									5	9		10							FR	FR				19.50	
AL-A-626-216-96	NO																	10						100				FR	FR				12.75	

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
AL-A-706-228-96	NO	39.66	-78.66	02141001	Potomac River (Lower North Branch)	COLLIER RUN	2	962		1.29				3.89	18.53		
AL-A-999-117-96	NO	39.71	-78.77	02141003	Wills Creek	WILLS CR UT1	1	440		1.00	1			3.89	11.36		
GA-A-017-223-96	NO	39.36	-79.29	02141005	Potomac River (Upper North Branch)	LAUREL RUN	2	1827		1.57		1		2.78			
GA-A-133-112-96	NO	39.49	-79.18	02141006	Savage River	SPRING LICK	1	990		2.43		1		3.67	39.26		
GA-A-191-322-96	NO	39.34	-79.26	02141005	Potomac River (Upper North Branch)	LAUREL RUN	3	5496		3.86				2.56	15.91		
GA-A-205-222-96	NO	39.41	-79.17	02141005	Potomac River (Upper North Branch)	THREE FORKS RUN	2	5923		1.00	1			1.44	8.30		
GA-A-470-306-96	NO	39.36	-79.24	02141005	Potomac River (Upper North Branch)	LOSTLAND RUN	3	6499		2.43		1		2.56			
GA-A-470-309-96	NO	39.36	-79.24	02141005	Potomac River (Upper North Branch)	LOSTLAND RUN	3	6565		1.86		1		2.11	25.13		
GA-A-470-315-96	NO	39.36	-79.23	02141005	Potomac River (Upper North Branch)	LOSTLAND RUN	3	6574		3.00		1		2.33			
GA-A-496-105-96	NO	39.33	-79.35	02141005	Potomac River (Upper North Branch)	GLADE RUN	1	310		2.43				2.78	3.76	6.07	
GA-A-523-203-96	NO	39.48	-79.12	02141005	Potomac River (Upper North Branch)	LAUREL RUN UT1	2	1543		2.43		1		4.56			
GA-A-558-211-96	NO	39.66	-79.00	02141006	Savage River	SAVAGE R	2	3764		4.14		1		2.33			
CN-N-031-122-95	NW	38.80	-75.75	02130306	Marshyhope Creek	TOMMY WRIGHT BR	1	2046.19		3.75				1.86	33.97		
DO-S-006-101-95	NW	38.68	-75.83	02130306	Marshyhope Creek	SKINNER RUN	1	1288.86		3.25			1	2.71	8.79		
DO-S-029-103-95	NW	38.55	-75.95	02130308	Transquaking River	HIGGINS MILLPOND	1	4291.02		3.00				1.29	26.13	7.46	
SO-S-005-109-95	NW	38.30	-75.66	02130303	Wicomico Creek	PASSERDYKE CR	1	4870.35		2.25				1.86	5.90	6.41	
WI-S-016-211-95	NW	38.36	-75.58	02130301	Lower Wicomico River	BEAVERDAM CR	2	13550.87		2.50				2.43	26.35		
WI-S-017-119-95	NW	38.34	-75.52	02130301	Lower Wicomico River	WALSTON BR	1	999.92		2.25				1.57	11.27	7.58	
WI-S-073-114-95	NW	38.38	-75.62	02130301	Lower Wicomico River	OWENS BR	1	1054.8		3.25				2.71	1.79		
WI-S-085-102-95	NW	38.43	-75.78	02130305	Nanticoke River	INGEM GUT	1	470.73		1.75			1	2.14	8.11	6.60	
SO-S-003-111-97	PC	38.16	-75.65	02130208	Manokin River	KINGS CR	1	6975.61		3.25			1	1.86	18.38	6.56	
SO-S-004-109-97	PC	38.12	-75.64	02130201	Pocomoke Sound	MARUMSCO CR	1	77.95						1.00		7.79	
SO-S-004-113-97	PC	38.08	-75.69	02130201	Pocomoke Sound	MARUMSCO CR	1	3766.77		2.00			1	2.14	15.16	6.00	
WI-S-019-217-97	PC	38.43	-75.37	02130203	Upper Pocomoke River	GREEN RUN	2	4572.27		3.25			1	2.71	31.07	7.02	
WI-S-037-210-97	PC	38.40	-75.34	02130203	Upper Pocomoke River	BURNT MILL BR	2	11721.44		3.00				2.71	21.92	6.79	
WI-S-041-202-97	PC	38.39	-75.48	02130301	Lower Wicomico River	PERDUE CR	2	107.24						1.86		6.91	42.20
WI-S-041-214-97	PC	38.35	-75.46	02130205	Nassawango Creek	FOREST GROVE BR	2	1570.8	45.00	3.25				1.57	41.73	6.87	
WI-S-055-303-97	PC	38.33	-75.33	02130203	Upper Pocomoke River	POCOMOKE R	3	71830.65		3.00				1.29			
WI-S-059-106-97	PC	38.35	-75.37	02130203	Upper Pocomoke River	TRUITT BR	1	1245.28		2.25				2.14	1.27		
WI-S-061-104-97	PC	38.43	-75.44	02130203	Upper Pocomoke River	BURNT MILL BR	1	494.54						1.57		6.85	
WI-S-067-207-97	PC	38.40	-75.37	02130203	Upper Pocomoke River	BURNT MILL BR	2	9189.98		3.75				2.71		6.34	

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
AL-A-706-228-96	NO				30.60	AD												5	6			10						FR	FR				19.50	
AL-A-999-117-96	NO						2.76		42.97								6		8	7	7						0.00		GR	5		16.00	6.25	
GA-A-017-223-96	NO				132.00	AMD			41.20		X							5									0.00		TG					
GA-A-133-112-96	NO				149.00	AD							X						10		9	10					0.00		DI	7			11.00	
GA-A-191-322-96	NO								58.88				X				8	6						100			5.00	FR	DI	5				
GA-A-205-222-96	NO		3.62	3.36	-319.70	AMD			160.58				X					0			2			100				FR	GR	9	1			
GA-A-470-306-96	NO				187.90	AMD			62.81									8						100				FR	FR					
GA-A-470-309-96	NO				185.10	AMD			61.64									6			5			100				FR	FR					
GA-A-470-315-96	NO				177.80	AMD			61.14									10										FR	FR	8				
GA-A-496-105-96	NO								67.06								4	2	7	10	6	6	5				0.00		CP	6			11.25	
GA-A-523-203-96	NO								63.18																			FR	FR					
GA-A-558-211-96	NO				183.20	AMD & AD												3				10						FR	FR					
CN-N-031-122-95	NW						6.10						X				10	5	6		0	2		100	10	10		OF	FR					
DO-S-006-101-95	NW				166.81	AGR	3.39			16.00			X				6	5	4	8	6	4		100				FR	OF	6	4			
DO-S-029-103-95	NW						16.16	4.20	33.91	10.00							7	3	6		4	4		100				FR	CP	5				
SO-S-005-109-95	NW								25.01	8.00			X				5	1	7	3		5	6	100		20	10.00	OF	CP	7	7		17.00	
WI-S-016-211-95	NW						2.83						X				5	3	6		0	4		100		10	4.00	LN	PK	2	8			
WI-S-017-119-95	NW												X				6	4	6	6	10	5	9	100				FR	CP	6	7			
WI-S-073-114-95	NW						5.69										3	1	2	1	4	4	10	100				LN	PV	3	3		11.00	
WI-S-085-102-95	NW		4.99		17.51	ORG & AD		4.00	28.60	10.00			X				5	1	3	7	0	4		100				LO	LO	9				
SO-S-003-111-97	PC		4.99		22.70	ORG & AD				24.00			X				8	5	6	7	4	10		99				FR	FR	10				
SO-S-004-109-97	PC		4.87		19.70	ORG				27.60																								
SO-S-004-113-97	PC				158.90	ORG & AD				15.80			X				5	5	6	8	3	5	10	100				FR	FR				19.25	
WI-S-019-217-97	PC				180.60	AGR	5.21			10.40			X					10	8	10		5		100		20	3.00	OF	CP	4	10			
WI-S-037-210-97	PC						4.53			11.10			X				5	3	6			5		100		10	0.00		CP	4				
WI-S-041-202-97	PC						4.05			13.20																								
WI-S-041-214-97	PC							1.00		14.60			X						4		0	6		100				FR	PA	5			14.75	
WI-S-055-303-97	PC						2.87			11.70			X					10	8			5	10	100				FR	FR	9				
WI-S-059-106-97	PC						4.82			25.60			X				1	1	2	2	3	0	1	100			0.00		CP	1	1	10.00	6.75	BC
WI-S-061-104-97	PC				78.90	AGR	3.05			10.00																								
WI-S-067-207-97	PC						4.05			9.10			X				10	9	10			9	8	100		10	10.00	OF	FR	10				

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
WI-S-067-219-97	PC	38.40	-75.36	02130203	Upper Pocomoke River	BURNT MILL BR	2	10352.87		3.75				1.57		7.75	
WI-S-074-103-97	PC	38.40	-75.35	02130203	Upper Pocomoke River	MURRAY BR	1	694.16		3.75				1.86		7.75	
WI-S-084-107-97	PC	38.38	-75.43	02130203	Upper Pocomoke River	CAMPBELL DITCH	1	1444.27		2.25			1	1.00	2.76	7.15	
WI-S-999-114-97	PC	38.30	-75.37	02130203	Upper Pocomoke River	DUNCAN DITCH	1	1912.07		2.75			1	1.57	14.33		
WO-S-003-308-97	PC	38.40	-75.32	02130203	Upper Pocomoke River	POCOMOKE R	3	35917.29		2.75			1	3.57	24.67		
WO-S-004-110-97	PC	38.09	-75.46	02130202	Lower Pocomoke River	JONES DITCH	1	2020.32		4.25				1.86		6.12	
WO-S-038-108-97	PC	38.25	-75.49	02130205	Nassawango Creek	MILLVILLE CR	1	3574.24		3.25			1	1.29		7.28	
WO-S-038-115-97	PC	38.27	-75.51	02130205	Nassawango Creek	MILLVILLE CR	1	359.26						1.29		7.38	
WO-S-061-205-97	PC	38.43	-75.33	02130203	Upper Pocomoke River	NORTH FORK GREEN RUN	2	8933.33						1.86			
WO-S-061-206-97	PC	38.44	-75.35	02130203	Upper Pocomoke River	NORTH FORK GREEN RUN	2	8137.92		3.75				2.43		6.57	
WO-S-999-229-97	PC	38.01	-75.54	02130202	Lower Pocomoke River	WAGRAM CR	2	6083.66						2.14		7.48	
AA-N-020-124-96	PP	39.15	-76.56	02130903	Baltimore Harbor	SLOOP COVE UT1	1	162			1			1.57	13.03		
AA-N-104-114-95	PP	39.13	-76.63	02130903	Baltimore Harbor	MARLEY CR UT1	1	309.76		2.00				1.57	19.56		67.00
AA-N-126-306-95	PP	39.18	-76.62	02130903	Baltimore Harbor	SAWMILL CR	3	5224.04		3.00				2.43			45.79
AA-N-180-130-95	PP	39.14	-76.71	02130906	Patapsco River Lower North Branch	STONY RUN	1	335.32	73.00	3.25				2.71	13.15		25.57
AA-N-244-203-95	PP	39.18	-76.63	02130903	Baltimore Harbor	SAWMILL RUN UT2	2	577.93		2.50				2.43		6.31	75.65
AA-N-262-101-96	PP	39.15	-76.61	02130903	Baltimore Harbor	MARLEY CR	1	832		1.00	1			1.00	1.61		89.90
AA-N-323-225-96	PP	39.16	-76.65	02130903	Baltimore Harbor	SAWMILL CR	2	1546		3.25				2.71		6.75	
BA-N-001-211-96	PP	39.35	-76.50	02130901	Back River	STEMMERS RUN	2	2425		1.67				1.00			60.41
BA-N-011-307-95	PP	39.22	-76.69	02130906	Patapsco River Lower North Branch	HERBERT RUN	3	4167.36		3.75				1.57			65.14
BA-N-019-301-95	PP	39.25	-76.70	02130906	Patapsco River Lower North Branch	WEST BR HERBERT RUN	3	1827.38		2.33				3.00			52.56
BA-N-019-308-95	PP	39.25	-76.70	02130906	Patapsco River Lower North Branch	WEST BR	3	1961.41		1.67				1.57			52.63
BA-N-045-223-96	PP	39.30	-76.53	02130901	Back River	MOORE'S RUN	2	11859		3.25				1.00			76.36
BA-N-047-128-96	PP	39.34	-76.51	02130901	Back River	REDHOUSE RUN	1	957		1.22				1.29			73.88
BA-N-057-113-96	PP	39.23	-76.67	02130906	Patapsco River Lower North Branch	PATAPSCO R UT1	1	620		1.00	1			1.00	20.81		72.42
BA-N-065-215-96	PP	39.37	-76.52	02130901	Back River	STEMMERS RUN	2	1177		2.56				1.00			62.02
BA-P-002-303-96	PP	39.41	-76.71	02130904	Jones Falls	JONES FLS	3	7862		2.56				3.00			
BA-P-002-319-95	PP	39.41	-76.71	02130904	Jones Falls	JONES FLS	3	7816.36		2.56				2.78			
BA-P-013-328-96	PP	39.31	-76.73	02130905	Gwynns Falls	DEAD RUN	3	2758		1.44				1.67			82.02
BA-P-074-106-96	PP	39.40	-76.63	02130904	Jones Falls	TOWSON RUN UT1	1	339		1.00				2.11	6.87		72.27
BA-P-077-322-95	PP	39.43	-76.73	02130904	Jones Falls	N BRANCH JONES FLS	3	3114.59	73.00	2.56				3.44			

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
WI-S-067-219-97	PC						2.56			9.70			X		X		10	6				5		100		20	0.00		LN	5				
WI-S-074-103-97	PC						4.29			10.70			X				10	5		10		2		100		25		OF	FR	10				
WI-S-084-107-97	PC		4.57		-26.90	ORG & AD		3.40		10.90			X				4	3	2	2	0	5		100			0.00		CP	5	5		18.25	
WI-S-999-114-97	PC				124.00	AGR	5.41			10.60			X				6	5	5	6	8	5		100				FR	CP				18.75	
WO-S-003-308-97	PC				134.50	AGR	3.32			12.30			X						5	6	6	5	10	100			3.00	FR	DI	10				
WO-S-004-110-97	PC							3.50		15.10									9		8	10		100				FR	CP					
WO-S-038-108-97	PC		4.40	4.40	-64.60	ORG		1.50		32.90									2		0			100				FR	LO		10			
WO-S-038-115-97	PC		4.91		9.40	ORG & AD				12.90																								
WO-S-061-205-97	PC						4.01			8.40																								
WO-S-061-206-97	PC						4.73			8.10			X						6		0			100		20	3.00	OF	CP	6				
WO-S-999-229-97	PC								31.75	12.50																								
AA-N-020-124-96	PP				55.90	AD												1	3	9	2	4	9	100			0.00		SL	6	1			
AA-N-104-114-95	PP																6	4	6		8	7	7	80				FR	HO	6	6		12.00	
AA-N-126-306-95	PP													X				10			5		10				0.00		HO	5				
AA-N-180-130-95	PP						3.62		29.90				X				5	5	8	6		4		80			0.00		CP	5	6		17.00	
AA-N-244-203-95	PP						3.11		26.89					X				7				5	5				0.00		HO	2	3		15.75	
AA-N-262-101-96	PP									14.60			X				0	0	6	1	2	2		100	20	20	0.00		HO	0	1	12.00	5.25	
AA-N-323-225-96	PP								25.47															85				FR	FR	10				
BA-N-001-211-96	PP									8.30			X	X			9	9	10		2						0.00		PV	3	4			
BA-N-011-307-95	PP								38.58					X			10	9			10	5	5				0.00		PV	2	6			
BA-N-019-301-95	PP								38.30													10	7				0.00		PV	1	4		11.75	
BA-N-019-308-95	PP								39.93				X	X								2					0.00		HO	1	2		16.75	
BA-N-045-223-96	PP												X	X	X		8					1	5		20		0.00		PV	1	2			
BA-N-047-128-96	PP									14.40			X	X				10	8		5		8	80			0.00		PV	2	2			
BA-N-057-113-96	PP							1.00	35.86	8.20								5	3		0	7	5	98			0.00		RR	4	2		8.00	
BA-N-065-215-96	PP								28.48													9	6				0.00		LN	5	9			
BA-P-002-303-96	PP													X								6	10				0.00		PA	6				
BA-P-002-319-95	PP																9						10				0.00		LN	5	8			
BA-P-013-328-96	PP						2.13						X										10					FR	PV	6	6			
BA-P-074-106-96	PP								33.24				X				7		8	7	10	6		80			0.00		PV	1	8		9.50	
BA-P-077-322-95	PP																		10				10					FR	PV				15.25	

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
BA-P-125-126-96	PP	39.36	-76.76	02130905	Gwynns Falls	SCOTTS LEVEL BR	1	2109		2.56				1.44	6.36		66.57
BA-P-145-316-96	PP	39.38	-76.76	02130905	Gwynns Falls	GWYNNS FLS	3	13869		2.33				2.33			
BA-P-145-327-96	PP	39.39	-76.76	02130905	Gwynns Falls	GWYNNS FLS	3	13842		3.22				2.11			
BA-P-262-111-96	PP	39.32	-76.73	02130905	Gwynns Falls	GWYNNS FLS UT1	1	148			1			1.89	5.45		66.22
BA-P-269-214-96	PP	39.38	-76.69	02130904	Jones Falls	MOORE'S BR	2	789		1.00	1			1.22			52.47
BA-P-331-315-95	PP	39.34	-76.73	02130905	Gwynns Falls	GWYNNS FLS	3	20974.82		2.78				1.44			35.10
BA-P-409-102-96	PP	39.45	-76.83	02130905	Gwynns Falls	RED RUN	1	77			1			2.56	5.15		
BA-P-410-203-96	PP	39.44	-76.78	02130905	Gwynns Falls	GWYNNS FLS	2	3122		3.00				1.44			28.44
BA-P-415-119-95	PP	39.27	-76.79	02130906	Patapsco River Lower North Branch	COOPER BR	1	521.77		1.00				2.11			34.36
BA-P-464-117-95	PP	39.26	-76.71	02130906	Patapsco River Lower North Branch	HERBERT RUN	1	501.98		1.00				1.89		6.36	57.75
BA-P-478-314-96	PP	39.35	-76.74	02130905	Gwynns Falls	GWYNNS FLS	3	19380		2.11				2.33			31.80
BA-P-478-325-95	PP	39.36	-76.74	02130905	Gwynns Falls	GWYNNS FLS	3	19299.69		2.78				1.67			31.76
BC-N-012-120-96	PP	39.32	-76.63	02130904	Jones Falls	STONY RUN	1	2869		1.00	1			1.00			74.94
BC-N-014-216-95	PP	39.32	-76.53	02130901	Back River	MOORES RUN	2	2756.25		2.50				1.29		6.88	85.23
BC-N-014-217-96	PP	39.33	-76.54	02130901	Back River	MOORE'S RUN	2	1943		1.67				1.00			88.57
BC-N-014-224-95	PP	39.32	-76.53	02130901	Back River	MOORE'S RUN	2	2756.85		3.00				1.86			85.28
BC-N-015-202-96	PP	39.33	-76.57	02130901	Back River	HERRING RUN	2	8464		1.22				1.00	32.03		77.28
BC-N-015-219-95	PP	39.33	-76.57	02130901	Back River	HERRING RUN	2	8820.26		2.56				1.29		6.43	76.49
BC-P-001-326-96	PP	39.31	-76.69	02130905	Gwynns Falls	GWYNNS FLS	3	26594		2.56				1.22			41.49
BC-P-003-205-95	PP	39.36	-76.57	02130901	Back River	TRIB TO HERRING RUN	2	2669.24		1.89				1.22	38.77	6.77	79.74
BC-P-003-228-96	PP	39.36	-76.57	02130901	Back River	HERRING RUN	2	2758		1.22				1.00			80.02
BC-P-004-107-96	PP	39.35	-76.59	02130901	Back River	CHINQUAPIN RUN	1	1416	51.00	1.00	1			1.44	0.31	9.78	86.86
BC-P-005-306-96	PP	39.30	-76.70	02130905	Gwynns Falls	DEAD RUN	3	4659		1.67				2.33			74.89
BC-P-005-318-96	PP	39.30	-76.71	02130905	Gwynns Falls	DEAD RUN	3	4145		1.67				1.44			78.29
CR-P-020-208-96	PP	39.41	-76.92	02130907	Liberty Reservoir	LIBERTY RES UT1	2	1318		3.89				1.67		6.41	
CR-P-038-227-95	PP	39.58	-76.98	02130907	Liberty Reservoir	W BR PATAPSCO R	2	3818.93		2.78				2.11			
CR-P-050-106-95	PP	39.54	-76.94	02130907	Liberty Reservoir	BEAVER RUN UT1	1	331.85		2.78				4.11			
CR-P-079-209-96	PP	39.47	-76.91	02130907	Liberty Reservoir	MIDDLE RUN	2	3762		4.78				2.78			
CR-P-086-313-96	PP	39.37	-77.08	02130908	South Branch Patapsco	GILLIS FLS	3	12157		4.56				2.11		6.06	
CR-P-086-325-96	PP	39.37	-77.08	02130908	South Branch Patapsco	GILLIS FLS	3	11701		3.89				1.44		6.76	
CR-P-120-232-96	PP	39.36	-77.07	02130908	South Branch Patapsco	PATAPSCO R	2	7320		4.56				2.33		6.16	

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
BA-P-125-126-96	PP												X					7	9		4	5	7	90			3.00	LN	PV	2	6			DM
BA-P-145-316-96	PP						2.03						X					10				7	7					FR	FR		10			
BA-P-145-327-96	PP						2.13																10					FR	FR					
BA-P-262-111-96	PP								29.01				X	X					5		8	6	7	80			0.00		PV	1	2		14.00	
BA-P-269-214-96	PP						3.20		78.58				X														0.00		DI	4	2			
BA-P-331-315-95	PP																						8					OF	HO	7	8			
BA-P-409-102-96	PP	84.42			162.10	AGR	5.89										4	4	4	7	6		9				8.00	FR	CP			18.00	7.50	
BA-P-410-203-96	PP						2.26																8				8.00	FR	RR	9				
BA-P-415-119-95	PP								39.60																			FR	HO	5	6		18.50	
BA-P-464-117-95	PP								45.82					X								9	5				0.00		LN	3	3			
BA-P-478-314-96	PP						2.04						X					8	9		5		5	95			1.00	OF	LN		5			
BA-P-478-325-95	PP																				6							FR	PV	8	6			
BC-N-012-120-96	PP																10					7	10				0.00		PV	6	1		18.75	DM
BC-N-014-216-95	PP							4.40	40.67				X				10	8	8		4	6	10				0.00		PV	0	2			
BC-N-014-217-96	PP									8.80			X	X									10				0.00		LN	2	2		18.00	
BC-N-014-224-95	PP								38.54				X					4	7		0		8				0.00		PV	1	2			
BC-N-015-202-96	PP																		8	6		6					0.00		LN	6	2			
BC-N-015-219-95	PP													X								5	6				0.00		PV	3	6			
BC-P-001-326-96	PP												X									10					0.00		PV	6	5			
BC-P-003-205-95	PP						2.64		27.16				X	X					8			5					0.00		PV	0	5			
BC-P-003-228-96	PP												X	X								2					0.00		LN	3	1			DM
BC-P-004-107-96	PP						2.42	0.90					X	X			3	2	1		0	5	5	100	10		0.00		PV	0	0		12.00	DM
BC-P-005-306-96	PP								45.64				X										8			15		FR	PV	8	8			
BC-P-005-318-96	PP								44.93				X	X													0.00		LN	4	8			
CR-P-020-208-96	PP						2.58															10	9				0.00		LN	6	10			
CR-P-038-227-95	PP	78.70					6.28						X				10					8	10				10.00	FR	PV	2	6			
CR-P-050-106-95	PP	90.02					9.07												8	8	10	8	8					FR	TG	10			18.50	
CR-P-079-209-96	PP	83.17					4.05																7				0.00		PA					
CR-P-086-313-96	PP						3.86																					OF	FR					
CR-P-086-325-96	PP						4.11															8	3				0.00		LN	9				
CR-P-120-232-96	PP						3.90																4				0.00		LN	6				

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
CR-P-152-302-96	PP	39.50	-76.88	02130907	Liberty Reservoir	NORTH BR PATAPSCO R	3	36181						2.56		6.34	
CR-P-152-318-95	PP	39.50	-76.88	02130907	Liberty Reservoir	N BR PATAPSCO R	3	32298.53		3.67				2.78			
CR-P-193-311-96	PP	39.49	-76.90	02130907	Liberty Reservoir	BEAVER RUN	3	8260		4.11				2.78			
CR-P-215-127-96	PP	39.47	-76.90	02130907	Liberty Reservoir	LIBERTY RES UT2	1	301		3.89				2.33			
CR-P-242-224-96	PP	39.55	-76.89	02130907	Liberty Reservoir	EAST BR PATAPSCO	2	13000		3.89				2.11			
CR-P-260-210-96	PP	39.54	-76.96	02130907	Liberty Reservoir	BEAVER RUN	2	1693		4.56				2.56	34.04		
CR-P-281-127-95	PP	39.36	-77.12	02130908	South Branch Patapsco	PATAPSCO R UT2	1	722.44		4.33				2.78	39.26	6.83	
CR-P-330-229-96	PP	39.59	-76.89	02130907	Liberty Reservoir	EAST BR PATAPSCO	2	6318		4.78				2.56			
CR-P-345-321-96	PP	39.45	-76.96	02130907	Liberty Reservoir	MORGAN RUN	3	17770		4.11				2.11		6.15	
CR-P-363-212-96	PP	39.38	-76.95	02130908	South Branch Patapsco	PINEY RUN	2	7807		4.56				1.89			
CR-P-376-104-96	PP	39.39	-76.95	02130908	South Branch Patapsco	PINEY RUN UT1	1	505		3.00				2.56			
CR-P-379-123-96	PP	39.53	-77.03	02130907	Liberty Reservoir	MORGAN RUN	1	141						1.67	8.62	6.03	
CR-P-419-214-95	PP	39.39	-77.08	02130908	South Branch Patapsco	GILLIS FLS	2	6423.15		4.33				2.56		6.13	
CR-P-419-227-96	PP	39.40	-77.08	02130908	South Branch Patapsco	GILLIS FLS	2	6171		3.89				1.67		6.71	
CR-P-999-323-95	PP	39.52	-76.93	02130907	Liberty Reservoir	BEAVER RUN	3	6105.85		3.89				2.56			
HO-N-001-210-95	PP	39.19	-76.72	02130906	Patapsco River Lower North Branch	DEEP RUN	2	3204.35		4.50				1.57			29.66
HO-N-018-213-95	PP	39.18	-76.75	02130906	Patapsco River Lower North Branch	DEEP RUN	2	2754.74		3.44				1.57			28.79
HO-N-019-304-96	PP	39.20	-76.71	02130906	Patapsco River Lower North Branch	DEEP RUN	3	12109		3.25				2.71			
HO-N-026-305-95	PP	39.18	-76.74	02130906	Patapsco River Lower North Branch	DEEP RUN	3	4944.79		4.25				2.43		6.32	
HO-P-068-231-96	PP	39.22	-76.74	02130906	Patapsco River Lower North Branch	ROCKBURN BR	2	1893		3.67				1.00			
HO-P-094-116-96	PP	39.35	-77.11	02130908	South Branch Patapsco	HAY MEADOW BR UT1	1	639		3.67				2.56	22.89		
HO-P-244-307-96	PP	39.35	-77.04	02130908	South Branch Patapsco	PATAPSCO R	3	22377						2.11			
MO-P-001-214-97	PW	39.09	-77.17	02140202	Potomac River (Montgomery County)	WATTS BR	2	1495.54		2.14				2.11			37.36
MO-P-014-107-97	PW	39.16	-77.52	02140202	Potomac River (Montgomery County)	POTOMAC R UT7	1	379.47		2.14				2.78	17.92	7.27	
MO-P-016-227-97	PW	39.15	-77.44	02140202	Potomac River (Montgomery County)	BROAD RUN	2	1396.23		2.71				2.78	22.18		
MO-P-024-315-97	PW	39.20	-77.27	02140208	Seneca Creek	LITTLE SENECA CR	3	4462.26		1.86				3.89	37.81		
MO-P-056-319-97	PW	39.06	-77.02	02140205	Anacostia River	NORTHWEST BR ANACOSTIA R	3	14466.82		3.89				1.67		9.34	
MO-P-082-124-97	PW	39.05	-77.14	02140207	Cabin John Creek	OLD FARM CR	1	484.3		1.67				1.67		6.32	49.32
MO-P-091-204-97	PW	39.11	-77.23	02140202	Potomac River (Montgomery County)	MUDDY BR	2	4266.05		2.71				2.56		6.00	38.27
MO-P-101-126-97	PW	39.07	-77.08	02140206	Rock Creek	TURKEY BR	1	498.28		1.44				1.44		8.75	80.78
MO-P-102-308-97	PW	39.09	-77.35	02140208	Seneca Creek	DRY SENECA CR	3	4311.14		4.43				2.56		6.76	
MO-P-108-123-97	PW	39.09	-77.18	02140202	Potomac River (Montgomery County)	WATTS BR UT1	1	509.87		2.71				1.67	41.23	6.83	51.52

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
CR-P-152-302-96	PP						4.76																											
CR-P-152-318-95	PP						4.60								X								7				0.00		PV	3	10			GW
CR-P-193-311-96	PP						4.45						X														0.00		PV	0				
CR-P-215-127-96	PP						4.76															10	10					FR	FR					
CR-P-242-224-96	PP	78.48					5.74																10				0.00		LN	6				
CR-P-260-210-96	PP						5.62											10	10			9	5					OF	PV	5				
CR-P-281-127-95	PP						4.95																5					FR	FR				15.75	
CR-P-330-229-96	PP	83.89					6.50																			20	0.00		PA	3	7			
CR-P-345-321-96	PP						4.02																				0.00		DI	7				
CR-P-363-212-96	PP																	9				10						OF	OF	10				
CR-P-376-104-96	PP	78.81					3.26																				6.00	OF	LN	7	10			
CR-P-379-123-96	PP	90.78					9.01						X				6	6			8			80			0.00		CP	7			9.75	
CR-P-419-214-95	PP						4.47																				0.00		PA					
CR-P-419-227-96	PP						4.49															9	7				14.00	FR	OF					
CR-P-999-323-95	PP						4.81																10					FR	FR	10				
HO-N-001-210-95	PP								24.51														10				0.00		PK		10			
HO-N-018-213-95	PP								27.58														5					FR	HO	8				
HO-N-019-304-96	PP								24.36								6	5	8		0	5	4	100				FR	FR	10	6			
HO-N-026-305-95	PP																7	8				6	7					FR	PV					
HO-P-068-231-96	PP																		10				10					FR	FR					
HO-P-094-116-96	PP	81.69					3.53												8	10			4					FR	PA	9	6			
HO-P-244-307-96	PP						4.05																											
MO-P-001-214-97	PW						4.05							X													0.00		LN	0	10			
MO-P-014-107-97	PW																10	5			3	5					0.00		SL	1			17.00	
MO-P-016-227-97	PW															X			10	10	6	6						FR	FR					
MO-P-024-315-97	PW	75.81					3.79						X		X	X		5	10		0	5	10				0.00		PV	7				
MO-P-056-319-97	PW																	6				5	5				0.00		FR	10				
MO-P-082-124-97	PW																				7	9	10					FR	LN	4				
MO-P-091-204-97	PW						2.05															8	7					FR	HO	10				
MO-P-101-126-97	PW								40.04													7						FR	FR	2	8			
MO-P-102-308-97	PW						2.47																				5.00	FR	PV	3				
MO-P-108-123-97	PW						5.25						X		X						8	4					0.00		PK	1				

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
MO-P-108-123-97	PW	39.09	-77.18	02140202	Potomac River (Montgomery County)	WATTS BR UT1	1	509.87		2.71				1.67	41.23	6.83	51.52
MO-P-129-114-97	PW	39.16	-77.30	02140208	Seneca Creek	SENECA CR UT2	1	80.46						1.67	18.53	6.73	
MO-P-129-131-97	PW	39.16	-77.31	02140208	Seneca Creek	SENECA CR UT2	1	268.38						2.56	28.75		
MO-P-153-113-97	PW	39.16	-77.13	02140206	Rock Creek	ROCK CR UT1	1	574.52		4.33				2.78			
MO-P-159-110-97	PW	39.18	-77.24	02140208	Seneca Creek	GUNNERS BR	1	219.51						2.56	13.12		27.59
MO-P-182-325-97	PW	39.01	-77.17	02140207	Cabin John Creek	CABIN JOHN CR	3	8611.67		3.00				2.56		6.61	47.13
MO-P-258-213-97	PW	39.09	-76.93	02140205	Anacostia River	LITTLE PAINT BR	2	739.08		2.78				2.78		6.99	26.47
MO-P-269-203-97	PW	39.00	-77.01	02140205	Anacostia River	SLIGO CR	2	3398.22		1.44				1.67			65.57
MO-P-304-127-97	PW	39.10	-77.01	02140205	Anacostia River	NORTHWEST BR UT1	1	248.84						2.56	32.67		64.26
MO-P-308-117-97	PW	39.13	-77.16	02140206	Rock Creek	MILL CR UT1	1	377.13		1.22				1.67	29.60	9.24	48.72
MO-P-310-313-97	PW	39.10	-77.13	02140206	Rock Creek	ROCK CR	3	10606.55		2.78				1.00		7.61	
MO-P-316-205-97	PW	39.13	-77.15	02140206	Rock Creek	MILL CR	2	1096.69		1.67				2.56		7.97	49.17
MO-P-436-226-97	PW	39.08	-77.39	02140202	Potomac River (Montgomery County)	POTOMAC R UT8	2	1126.73		1.29				2.56	6.01		
MO-P-437-206-97	PW	39.14	-77.13	02140206	Rock Creek	ROCK CR	2	4748.66		4.11				2.78			
MO-P-468-109-97	PW	39.28	-77.21	02140208	Seneca Creek	MAGRUDER BR	1	160.19						1.67	40.24	7.69	
MO-P-474-317-97	PW	39.15	-77.34	02140208	Seneca Creek	SENECA CR	3	18421.62		4.43				2.78		6.54	
MO-P-478-312-97	PW	38.97	-77.15	02140207	Cabin John Creek	CABIN JOHN CR	3	15988.57		2.78				1.67		8.15	44.18
MO-P-480-326-97	PW	38.98	-77.16	02140207	Cabin John Creek	CABIN JOHN CR	3	12988.76		1.89				1.89	19.16		43.68
MO-P-489-314-97	PW	39.09	-77.03	02140205	Anacostia River	NORTHWEST BR	3	8231.35		3.89				1.89		6.78	
MO-P-489-323-97	PW	39.09	-77.02	02140205	Anacostia River	NORTHWEST BR	3	8735.05		2.56				1.67		8.36	
MO-P-496-215-97	PW	39.13	-77.47	02140202	Potomac River (Montgomery County)	BROAD RUN	2	807.4		1.86				3.67	27.11		
MO-P-501-105-97	PW	39.03	-77.19	02140207	Cabin John Creek	CABIN JOHN CR UT1	1	60.43						1.44	3.15	6.37	
PG-N-065-103-97	PW	38.92	-76.89	02140205	Anacostia River	CATTAIL BR	1	1867.43		1.50				1.29	5.16	9.34	58.87
PG-N-068-125-97	PW	38.73	-76.87	02140203	Piscataway Creek	PISCATAWAY CR UT2	1	1671.47		3.50				2.71	16.48		
PG-N-117-329-97	PW	39.00	-76.98	02140205	Anacostia River	NORTHWEST BR	3	19458.99		2.33				1.57		8.70	29.60
PG-N-125-218-97	PW	38.92	-76.90	02140205	Anacostia River	BEAVERDAM CR	2	5016.8		3.25				1.57		6.85	68.36
PG-N-125-228-97	PW	38.92	-76.90	02140205	Anacostia River	BEAVERDAM CR	2	5012.32		2.50				1.29			68.36
PG-N-163-111-97	PW	39.02	-76.83	02140205	Anacostia River	BEAVERDAM CR	1	288.14						1.86	7.79	6.02	28.34
PG-N-171-309-97	PW	38.96	-76.97	02140205	Anacostia River	NORTHWEST BR	3	29984.83		3.50				1.00		9.41	41.96
PG-N-201-330-97	PW	38.96	-76.97	02140205	Anacostia River	NORTHWEST BR ANACOSTIA R	3	22549.76		3.75				1.00		9.73	34.16
PG-N-232-321-97	PW	38.71	-76.96	02140203	Piscataway Creek	PISCATAWAY CR	3	24814.94		3.25				2.43			

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
MO-P-108-123-97	PW						5.25						X		X						8	4					0.00		PK	1				
MO-P-129-114-97	PW	88.38					5.51										10		9	6	6							FR	TG	8			9.50	
MO-P-129-131-97	PW	89.38					5.36												8	4	10		10					OF	FR				8.50	
MO-P-153-113-97	PW						2.47												9	8	7							TG	PV	5			13.00	
MO-P-159-110-97	PW																		7		6						11.00	FR	LN	2			11.00	
MO-P-182-325-97	PW												X					8			8		7				0.00		SL	1				
MO-P-258-213-97	PW																		10									FR	FR	6			14.50	
MO-P-269-203-97	PW						2.35						X	X								1					0.00		PV	0	8		19.75	
MO-P-304-127-97	PW						2.13												10		9		5					LN	HO	2			13.75	
MO-P-308-117-97	PW																		10	7			6				12.00	FR	LN	1	4		19.00	
MO-P-310-313-97	PW																		9	8								FR	FR	8				
MO-P-316-205-97	PW																				9		8					LN	LN	2	5			
MO-P-436-226-97	PW								25.17								5	6	7	3	6	4					0.00		GR	5		19.00	9.50	
MO-P-437-206-97	PW						2.66																10					FR	FR	4				
MO-P-468-109-97	PW						2.62									X			9		7							FR	FR	5	8		15.50	
MO-P-474-317-97	PW																			10								FR	CP					
MO-P-478-312-97	PW																											FR	PV	7				
MO-P-480-326-97	PW												X						10		9	2					12.00	TG	PV	3	5			
MO-P-489-314-97	PW												X					9			6							FR	FR	8				
MO-P-489-323-97	PW																	7			10	5	4					FR	FR	10				
MO-P-496-215-97	PW				199.00	AGR	2.55											5	10		6	7	10					FR	PV	5			16.00	
MO-P-501-105-97	PW								33.13								8	8	2	6	0	9					7.00	LN	PA	3			9.25	
PG-N-065-103-97	PW								38.61				X				2	5	5	1	5	0				10	0.00		LN	1	2	6.00	4.25	
PG-N-068-125-97	PW																7	1	5	7	4	1		100	20	5		EM	TG	10				
PG-N-117-329-97	PW												X	X								5					0.00		PV	4	10			
PG-N-125-218-97	PW								30.97				X	X				3			5		10				0.00		PV	1	1			
PG-N-125-228-97	PW								31.50				X					4	10		2						0.00		PV	1	1			
PG-N-163-111-97	PW				182.00	AD	4.71										5	3	6	3	6			100				FR	FR			16.00	8.75	
PG-N-171-309-97	PW												X					8	10		1	6				20		LN	PV	6	2			
PG-N-201-330-97	PW												X									8					12.00	LN	PV	0				
PG-N-232-321-97	PW																	10										FR	FR					

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
PG-N-246-219-97	PW	38.83	-76.93	02140201	Potomac River (Upper-tidal)	HENSON CR	2	5020.91		3.25				1.86	34.72	7.32	56.26
PG-N-249-128-97	PW	38.76	-76.93	02140203	Piscataway Creek	PEA HILL BR	1	2058.84						2.14			54.44
PG-N-251-305-97	PW	39.03	-76.93	02140205	Anacostia River	LITTLE PAINT BR	3	5793.88		3.25				1.86	37.51	6.57	40.68
PG-N-257-303-97	PW	38.78	-76.98	02140201	Potomac River (Upper-tidal)	HENSON CR	3	11641		3.00				1.00			52.15
PG-N-257-306-97	PW	38.79	-76.96	02140201	Potomac River (Upper-tidal)	HENSON CR	3	9474.21		3.50				1.57		6.60	55.38
PG-N-257-324-97	PW	38.80	-76.96	02140201	Potomac River (Upper-tidal)	HENSON CR	3	9375.61		3.75				2.14			55.63
AA-N-021-112-97	PX	38.89	-76.62	02131104	Patuxent River (Upper)	STOCKETT'S RUN	1	1487.18		3.00				2.71			
AA-N-063-232-97	PX	39.13	-76.77	02131105	Little Patuxent River	DORSEY RUN	2	750.23	57.00	4.25				2.14			
AA-N-092-207-97	PX	39.10	-76.75	02131105	Little Patuxent River	MIDWAY BR	2	1632.48		2.50				1.00		7.29	37.04
AA-N-092-225-97	PX	39.09	-76.74	02131105	Little Patuxent River	MIDWAY BR	2	1765.89		2.50				1.29		6.89	38.80
AA-N-152-304-97	PX	39.12	-76.78	02131105	Little Patuxent River	DORSEY RUN	3	7728.52		4.25				1.29			33.92
AA-N-152-318-97	PX	39.12	-76.78	02131105	Little Patuxent River	DORSEY RUN	3	7814.24		3.75				1.57			33.84
AA-N-190-101-97	PX	38.81	-76.70	02131102	Patuxent River (Middle)	PATUXENT R UT2	1	230.91						1.29		6.19	
AA-N-307-218-97	PX	39.04	-76.72	02131105	Little Patuxent River	LITTLE PATUXENT R UT2	2	377.47		2.00				1.57	8.88	8.50	
AA-N-321-117-97	PX	39.01	-76.69	02131105	Little Patuxent River	LITTLE PATUXENT R UT1	1	1132.62		2.00				1.86		6.67	37.82
AA-N-337-102-97	PX	39.10	-76.73	02131105	Little Patuxent River	FRANKLIN BR	1	776.5		2.50				1.29	7.71		69.19
AA-S-008-132-97	PX	38.74	-76.61	02131101	Patuxent River (Lower)	HALL CR	1	442.62		2.50				2.71	15.73		
AA-S-024-138-97	PX	38.77	-76.68	02131102	Patuxent River (Middle)	DEEP CR	1	650.53		2.75				3.00			
CA-S-014-134-97	PX	38.70	-76.61	02131101	Patuxent River (Lower)	FOWLER'S MILL BR	1	203.9						1.29	11.05	6.10	29.20
CA-S-089-201-97	PX	38.66	-76.63	02131101	Patuxent River (Lower)	CHEW CR	2	1991.14		2.75				3.00			
CA-S-123-136-97	PX	38.51	-76.63	02131101	Patuxent River (Lower)	BUZZARD ISLAND CR	1	75.55						1.29	19.05		
CA-S-187-133-97	PX	38.59	-76.66	02131101	Patuxent River (Lower)	PATUXENT R UT1	1	1894.6		2.50				2.43	15.73		
CA-S-198-107-97	PX	38.63	-76.62	02131101	Patuxent River (Lower)	COCKTOWN CR UT1	1	375.73		2.50				3.29	23.07		
HO-N-022-104-97	PX	39.12	-76.85	02131104	Patuxent River (Upper)	PATUXENT R UT3	1	427.92		1.89				1.86	41.19	6.80	38.08
HO-N-038-204-97	PX	39.19	-76.80	02131105	Little Patuxent River	DORSEY BR TO LITTLE PATUXENT R	2	1097.07		2.11				2.14			
HO-P-002-321-97	PX	39.25	-76.85	02131105	Little Patuxent River	LITTLE PATUXENT R	3	7074.44		3.67				2.78	28.34		
HO-P-018-106-97	PX	39.24	-77.04	02131108	Brighton Dam	TRIDELPHIA RES UT3	1	405.25		2.33				2.56		6.95	
HO-P-063-203-97	PX	39.20	-76.99	02131108	Brighton Dam	TRIDELPHIA RES UT1	2	1251.11		2.56				4.11			
HO-P-098-224-97	PX	39.21	-76.87	02131105	Little Patuxent River	LITTLE PATUXENT R UT5	2	442.29		2.11				2.78		6.02	30.23
HO-P-143-109-97	PX	39.25	-77.01	02131108	Brighton Dam	TRIDELPHIA RS UT2	1	897.98		2.33				3.22		6.45	
HO-P-169-111-97	PX	39.30	-77.05	02131108	Brighton Dam	CATTAIL BR UT2	1	817.09		1.89				3.67	30.90		

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
PG-N-246-219-97	PW								24.32								9	10	8	8	6					25		FR	FR	8	8			
PG-N-249-128-97	PW																																	
PG-N-251-305-97	PW												X					8	10	7	6						10.00	FR	CP	7	7			
PG-N-257-303-97	PW						4.59																					FR	FR	8				
PG-N-257-306-97	PW								26.12						X												10.00	FR	SL	9				
PG-N-257-324-97	PW								26.86				X		X												12.00	LN	FR	9				
AA-N-021-112-97	PX																7	5				10	6					FR	FR					
AA-N-063-232-97	PX							1.20								X			6		7	5	4					FR	LN	10				
AA-N-092-207-97	PX																6	10					9					LN	PV	1				
AA-N-092-225-97	PX												X	X			6					1					0.00		SL	3	3			
AA-N-152-304-97	PX																	10			5		7					FR	PV	6	10			
AA-N-152-318-97	PX																						7					FR	FR					
AA-N-190-101-97	PX																8					7	8					FR	DI	6	9		18.25	
AA-N-307-218-97	PX							4.30		10.10							6		5	5	5	4			20		3.00	FR	OF	6	1		8.25	
AA-N-321-117-97	PX													X								7	6				0.00		LN	6	6			
AA-N-337-102-97	PX												X	X			3	3	3	10	4	4	10	100		13	0.00		PK	2	6			
AA-S-008-132-97	PX								24.35								4	4	7	8	9	5	6	100				FR	FR				14.50	
AA-S-024-138-97	PX				195.80	AD			26.86								9		9				7					FR	CP				13.25	
CA-S-014-134-97	PX																4	3	7	2	7	5	4					FR	FR	10		13.00	5.75	
CA-S-089-201-97	PX																8	5	9		4			100				FR	FR					
CA-S-123-136-97	PX																4	6	7	7	8	8					0.00		GR	5		11.00	4.50	
CA-S-187-133-97	PX																6	5	5	7	7	5	9	100				FR	FR	8			10.25	
CA-S-198-107-97	PX																5	6	6	7	10	10	7					FR	FR				6.00	
HO-N-022-104-97	PX																		7	8	6		4				14.00	FR	PV	1	5		9.25	
HO-N-038-204-97	PX																		8		9		10					FR	PV	5	8			
HO-P-002-321-97	PX						2.43										7	6				8	9	80				FR	FR	10	10			
HO-P-018-106-97	PX	76.91					7.63												9	9		10	10					FR	GR	7			11.50	
HO-P-063-203-97	PX																					8	9					FR	FR	10				
HO-P-098-224-97	PX																7	10				7					0.00		GR	0	4			PC
HO-P-143-109-97	PX						4.11																8				0.00		PV	0				
HO-P-169-111-97	PX						4.09												8	9			10				0.00		PA	9				

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
HO-P-195-130-97	PX	39.29	-76.84	02131105	Little Patuxent River	PLUMTREE BR UT1	1	101.45						2.56	3.41		54.67
HO-P-208-120-97	PX	39.27	-76.84	02131105	Little Patuxent River	PLUMTREE BR	1	598.11		2.33				2.11	22.18		42.49
MO-P-204-137-97	PX	39.12	-76.91	02131107	Rocky Gorge Dam	ROCKY GORGE RES UT1	1	613.12		2.33				3.67	36.37		
PG-N-007-127-97	PX	39.11	-76.90	02131104	Patuxent River (Upper)	WALKER BR UT1	1	220.78	71.00					1.86	2.56	8.62	33.13
PG-N-041-305-97	PX	38.89	-76.84	02131103	Western Branch	SOUTHWEST BR	3	6978.36		4.00				1.29			42.17
PG-N-071-212-97	PX	38.89	-76.85	02131103	Western Branch	SOUTHWEST BR UT1	2	1364.82		3.25				2.43		7.03	
PG-N-087-115-97	PX	38.94	-76.76	02131103	Western Branch	COLLINGTON BR UT1	1	255.5	70.00					1.29	14.06	6.06	
PG-N-097-121-97	PX	39.00	-76.77	02131104	Patuxent River (Upper)	HORSEPEN BR	1	3532.69		3.50				2.71		6.61	27.40
PG-N-141-215-97	PX	38.90	-76.80	02131103	Western Branch	NORTHEAST BR WESTERN BR	2	5510.39		4.75				2.71	40.66	6.34	
PG-N-141-223-97	PX	38.90	-76.80	02131103	Western Branch	NORTHEAST BR WESTERN BR	2	5150.74		4.75				2.14	33.97	6.73	
PG-N-152-124-97	PX	38.78	-76.78	02131102	Patuxent River (Middle)	SOUTHWEST BR CHARLES BR	1	2814.1		2.75				2.71			
PG-N-190-103-97	PX	38.77	-76.81	02131102	Patuxent River (Middle)	CHARLES BR UT1	1	656.86		1.75				2.43			
PG-N-213-113-97	PX	38.89	-76.77	02131103	Western Branch	BLACK BR	1	1053.48		2.00				2.14	9.72		
PG-N-216-135-97	PX	38.90	-76.85	02131103	Western Branch	SOUTHWEST BR UT1	1	1076.1		1.00				2.14	25.50	7.84	26.02
PG-N-219-324-97	PX	38.89	-76.80	02131103	Western Branch	WESTERN BR	3	18185.7		4.75				2.71		6.84	26.65
PG-N-253-122-97	PX	38.85	-76.85	02131103	Western Branch	RITCHIE BR	1	136.36						2.14		6.30	
PG-N-274-128-97	PX	38.89	-76.68	02131104	Patuxent River (Upper)	HONEY BR	1	1127.35		4.00				2.43			
PG-S-007-108-97	PX	38.61	-76.72	02131101	Patuxent River (Lower)	SUMMERVILLE CR UT1	1	19.75						1.29	21.54	6.23	
PG-S-045-317-97	PX	38.55	-76.72	02131101	Patuxent River (Lower)	SWANSON CR	3	14579.23						2.71			
SM-S-125-142-97	PX	38.34	-76.55	02131101	Patuxent River (Lower)	CUCKOLD CR	1	223.68						2.71	32.03		
BA-P-080-314-97	SQ	39.71	-76.59	02120202	Deer Creek	EBAUGH'S CR	3	4347.61		3.67				2.33			
CE-P-022-316-97	SQ	39.70	-76.19	02120204	Conowingo Dam Susquehanna River	CONOWINGO CR	3	27349.7		4.56				2.56			
CE-P-051-108-97	SQ	39.64	-76.13	02120201	Lower Susquehanna River	SUSQUEHANNA R UT1	1	181.22						2.78	19.48		
CE-P-056-307-97	SQ	39.70	-76.10	02120203	Octoraro Creek	STONE RUN	3	6012.17		4.11				2.78			
HA-P-013-101-97	SQ	39.59	-76.14	02120201	Lower Susquehanna River	HERRING RUN	1	868.27		1.67				2.56			
HA-P-035-208-97	SQ	39.68	-76.56	02120202	Deer Creek	PLUMTREE BR	2	23233.82		2.56				3.67			
HA-P-068-114-97	SQ	39.72	-76.49	02120202	Deer Creek	BIG BR	1	1115.71		2.78				3.44			
HA-P-100-204-97	SQ	39.65	-76.50	02120202	Deer Creek	DEER CR	2	4167.9		4.78				2.56			
HA-P-133-111-97	SQ	39.63	-76.30	02120202	Deer Creek	DEER CR UT1	1	553.7		2.78				3.67	38.29		
HA-P-142-105-97	SQ	39.65	-76.31	02120205	Broad Creek	BROAD CR UT1	1	308		1.67				3.44	22.89		
HA-P-178-202-97	SQ	39.70	-76.47	02120202	Deer Creek	BIG BR	2	4084.09		2.78				4.11			

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
HO-P-195-130-97	PX						2.05										3	5	6	2	6		8					LN	HO	3	8	9.00	5.00	
HO-P-208-120-97	PX						2.09										7	4				7	8				8.00	OF	LN	4			12.25	
MO-P-204-137-97	PX																		9	10		9	8					FR	FR	10			17.75	
PG-N-007-127-97	PX												X				1	2	2	2	0				25		0.00		PV	0	1		6.75	
PG-N-041-305-97	PX								26.09								10	6				7	7	90				FR	LN	6	1			
PG-N-071-212-97	PX								24.83													7	7				0.00		PV	3	5			BC
PG-N-087-115-97	PX																5	5	7	6	5			95			14.00	OF	CP				10.25	
PG-N-097-121-97	PX																8	4				4	3	85				FR	FR	8	9			
PG-N-141-215-97	PX								24.65							X	7	4	8		1	8	5	90			12.00	FR	LN	4	7			
PG-N-141-223-97	PX														X		6	5	9			7	4				0.00		PV	3	9			
PG-N-152-124-97	PX								31.54								7	4				5	4	95			0.00		PV	1				
PG-N-190-103-97	PX				110.50	AD			33.97								7					9	5					FR	FR	8			14.00	
PG-N-213-113-97	PX																2	2	7	6	6	2	1	100				FR	CP				19.25	
PG-N-216-135-97	PX								26.71								7		9	8		7	4					FR	PV	3	5		16.00	
PG-N-219-324-97	PX																				6	6	4	100				FR	FR	9	6			
PG-N-253-122-97	PX								326.95					X			9		10			8	9				0.00		PV	3	7			
PG-N-274-128-97	PX																9		9		9	8	9					FR	FR				10.25	
PG-S-007-108-97	PX				9.50	AD											3		7	9	4							FR	FR				5.25	
PG-S-045-317-97	PX																																	
SM-S-125-142-97	PX				159.60	AD											7		7	6		9	9					FR	FR				10.75	
BA-P-080-314-97	SQ						5.11						X									5	3					FR	FR	9				
CE-P-022-316-97	SQ	80.75					6.95											9								25		FR	FR					
CE-P-051-108-97	SQ						2.28												6		8	6	5					LN	PV	3	7		8.25	
CE-P-056-307-97	SQ						3.95																10				0.00		PV	4				
HA-P-013-101-97	SQ																		7									FR	PV	10				
HA-P-035-208-97	SQ						3.41												8									FR	FR					
HA-P-068-114-97	SQ	78.74					5.94															9						FR	PV	5	9			
HA-P-100-204-97	SQ								28.00																		0.00		PA					
HA-P-133-111-97	SQ						2.22							X					7	10			7				13.00	LN	PV	1				
HA-P-142-105-97	SQ						4.74										10	9	8	10	10							FR	CP				8.00	
HA-P-178-202-97	SQ						4.59																					FR	FR					

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
AL-A-020-228-95	UP	39.62	-78.53	02140512	Town Creek	MAPLE RUN	2	1335.26	7.00	3.57				2.56	0.71	6.25	
AL-A-027-205-95	UP	39.68	-78.43	02140511	Fifteen Mile Creek	TERRAPIN RUN	2	2185.65		1.00				3.22	10.37		
AL-A-027-209-95	UP	39.67	-78.43	02140511	Fifteen Mile Creek	TERRAPIN RUN	2	2428.11		1.29				3.44	5.89		
AL-A-061-125-95	UP	39.64	-78.46	02140511	Fifteen Mile Creek	DEEP RUN UT1	1	112.61						2.33			
AL-A-069-102-95	UP	39.64	-78.50	02140511	Fifteen Mile Creek	WHITE SULPHUR RUN	1	61.98						2.33		6.92	
AL-A-143-226-95	UP	39.66	-78.40	02140511	Fifteen Mile Creek	SPRING LICK HOLLOW	2	1386.92		1.57				4.33	35.43		
AL-A-167-230-95	UP	39.70	-78.46	02140511	Fifteen Mile Creek	PINE LICK	2	2043.51		2.14				4.33	11.36		
AL-A-171-206-95	UP	39.71	-78.48	02140511	Fifteen Mile Creek	PINE LICK	2	373.49		1.00				3.44	2.11		
AL-A-207-307-95	UP	39.69	-78.46	02140511	Fifteen Mile Creek	FIFTEEN MILE CR	3	13170.94		2.71				4.11	4.49		
AL-A-244-227-95	UP	39.64	-78.41	02140511	Fifteen Mile Creek	FLAT RUN	2	802.86		1.00				3.67	9.29		
AL-A-248-213-95	UP	39.55	-78.58	02140512	Town Creek	SAWPIT RUN	2	2496.67		1.57				3.67	5.05		
AL-A-248-234-95	UP	39.55	-78.56	02140512	Town Creek	SAWPIT RUN	2	3134.26		2.14				1.44		6.61	
AL-A-318-126-95	UP	39.69	-78.36	02140510	Sideling Hill Creek	SIDELING HILL CR UT1 TO UT1	1	398.68		1.00	1			3.44			
AL-A-392-316-95	UP	39.71	-78.34	02140510	Sideling Hill Creek	SIDELING HILL CR UT1	3	3392.86		2.71				2.33	25.52		
AL-A-392-318-95	UP	39.71	-78.34	02140510	Sideling Hill Creek	SIDELING HILL CR UT1	3	3419.3		3.57				1.22	34.04		
AL-A-419-106-95	UP	39.69	-78.39	02140511	Fifteen Mile Creek	MUDLICK HOLLOW	1	145.23	73.00		1			2.33	6.61		
AL-A-646-207-95	UP	39.60	-78.44	02140508	Potomac River (Allegany County)	RUBY HOLLOW	2	850.1	19.00	1.00	1			2.33	1.06		
WA-A-022-120-95	UP	39.71	-78.07	02140501	Potomac River (Washington County)	POTOMAC R UT4	1	85.39						2.11		7.37	
WA-A-040-221-95	UP	39.71	-77.99	02140506	Licking Creek	RABBLE RUN	2	810.21		1.00	1			2.33			
WA-A-045-127-95	UP	39.70	-78.27	02140509	Little Tonoloway Creek	LT TONOLOWAY UT1	1	154.57	61.00		1			2.33	4.95	6.07	
WA-A-053-223-95	UP	39.69	-77.94	02140505	Little Concococheague	LT CONOCOCHEAGUE CK	2	2227.15		3.29				1.67		6.26	
WA-A-068-101-95	UP	39.71	-78.32	02140510	Sideling Hill Creek	SIDELING HILL CR UT2	1	163.94			1			2.11	23.62	6.09	
WA-A-101-219-95	UP	39.71	-78.14	02140501	Potomac River (Washington County)	DITCH RUN	2	115.29			1			2.78	0.63		
WA-A-133-204-95	UP	39.64	-78.29	02140508	Potomac River (Allegany County)	LONG HOLLOW	2	1677.91		2.43				4.33			
WA-A-139-235-95	UP	39.72	-78.21	02140509	Little Tonoloway Creek	LT TONOLOWAY CR UT2	2	719.84		1.86				4.11	12.89		
WA-A-144-311-95	UP	39.70	-78.32	02140510	Sideling Hill Creek	BEAR CREEK	3	6526.73		3.57				2.78			
WA-V-003-123-95	UP	39.55	-77.77	02140503	Marsh Run	ST JAMES RUN UT1	1	226.41						1.44	0.58	6.19	
WA-V-006-222-95	UP	39.45	-77.67	02140502	Antietam Creek	LITTLE ANTIETAM CR	2	3488.46		2.71				3.44	36.85		
WA-V-063-201-95	UP	39.69	-77.57	02140502	Antietam Creek	LITTLE ANTIETAM CR UT1	2	1692.77		2.71				2.11			
WA-V-075-220-95	UP	39.59	-77.64	02140502	Antietam Creek	BEAVER CK	2	9304.67		1.86				2.56	6.24	6.89	
WA-V-131-224-95	UP	39.69	-77.68	02140502	Antietam Creek	MARSH RUN	2	14834.72		2.43				3.22		6.21	

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
AL-A-020-228-95	UP				93.73	AD		1.70									1	1	2	1	0		5	90	2			FR	FR				0.00	
AL-A-027-205-95	UP				183.60	AD											6		8	8	7							FR	FR				8.75	
AL-A-027-209-95	UP				175.46	AD											8		7		7			100				FR	FR				8.75	
AL-A-061-125-95	UP				33.65	AD																												
AL-A-069-102-95	UP				73.24	AD																												
AL-A-143-226-95	UP				138.19	AD																		100			0.00		SL	10			15.25	
AL-A-167-230-95	UP				131.04	AD											6		7	3	7							FR	FR	10		19.00	5.00	
AL-A-171-206-95	UP				92.90	AD											6		4	2	3			100	15		0.00		PA	6		8.00	5.00	
AL-A-207-307-95	UP				172.95	AD												8	8		0	10		100			0.00		GR	5				
AL-A-244-227-95	UP				144.01	AD		3.80									7	5	3	7	6							FR	FR				6.25	
AL-A-248-213-95	UP																5	2	6	10				100				FR	FR					
AL-A-248-234-95	UP								35.38									5						100		25		FR	PV	4				
AL-A-318-126-95	UP				59.65	AD													9	10								FR	FR				14.00	
AL-A-392-316-95	UP												X	X			10	5	6	8		5				20	0.00		PV	3	8		13.25	
AL-A-392-318-95	UP												X	X	X			10		9	10						0.00		PV	3	9			
AL-A-419-106-95	UP																5	5	6	3	6							FR	FR			14.00	5.00	
AL-A-646-207-95	UP							2.70									2	1	2	1	0				2		2.00	FR	DI	2		9.00	2.00	
WA-A-022-120-95	UP																																	
WA-A-040-221-95	UP		4.60	4.64	-26.08	AD																						FR	FR					
WA-A-045-127-95	UP				101.92	AD											3	2	3	5	6		8					FR	FR				3.75	
WA-A-053-223-95	UP															X		4										FR	PV					
WA-A-068-101-95	UP				92.49	AD											10		6	8	10							FR	FR			16.00	7.50	
WA-A-101-219-95	UP						4.99		27.30								1	1	2	1	2	2	6	100				FR	FR			7.00	1.00	
WA-A-133-204-95	UP																	7									7.00	TG	DI	10			19.00	
WA-A-139-235-95	UP								67.82									5	6		7							LN	FR				8.25	
WA-A-144-311-95	UP				182.92	AD																					8.00	TG	SL					
WA-V-003-123-95	UP	88.82					5.93		27.91				X				1	0	2		0	1	8	100		10	0.00		DI	6	9			
WA-V-006-222-95	UP						2.11											3	8	10		5	10				0.00		PA					
WA-V-063-201-95	UP						3.38												7	10							0.00		CP	6			18.00	
WA-V-075-220-95	UP												X				5	2			0	3					0.00		PV	1				
WA-V-131-224-95	UP	90.40					8.24		33.20				X									2		100				TG	CP		8			

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
WA-V-174-236-95	UP	39.70	-77.68	02140502	Antietam Creek	MARSH RUN	2	10642.91		2.14				2.33			
WA-V-175-208-95	UP	39.63	-77.85	02140504	Conococheague	MEADOW BROOK	2	5283.01		2.14				4.11	22.18		
WA-V-175-216-95	UP	39.65	-77.86	02140504	Conococheague	MEADOW BROOK	2	3865.97		2.43				3.67			
WA-V-176-109-95	UP	39.43	-77.77	02140501	Potomac River (Washington County)	POTOMAC R UT6	1	643.35		1.00				1.44	11.16		
WA-V-192-115-95	UP	39.67	-77.72	02140502	Antietam Creek	HAMILTON RUN	1	1597.24		1.00				1.89	2.91	6.49	61.90
WA-V-193-110-95	UP	39.57	-77.82	02140501	Potomac River (Washington County)	POTOMAC R UT5	1	1728.9		1.00	1			2.33	1.25	6.41	
AA-N-012-110-97	WC	38.87	-76.61	02131004	West River	MUDDY CR	1	255.63	70.00		1			1.00	6.89		
AA-N-034-206-97	WC	39.02	-76.48	02131002	Severn River	MILL CR	2	1442.56		3.00				1.57			
AA-N-072-103-97	WC	38.97	-76.63	02131003	South River	TARNANS BR	1	947.54		4.00				2.14			
AA-N-075-122-97	WC	39.04	-76.63	02131003	South River	BACON RIDGE BR UT1 TO UT1	1	28.74	70.00		1			1.86	2.59		
AA-N-091-320-97	WC	39.11	-76.66	02131002	Severn River	SEVERN RUN	3	7434.73		2.50				3.00			30.33
AA-N-120-102-97	WC	39.09	-76.50	02131001	Magothy River	BLACKHOLE CR	1	406.88	70.00	1.75				1.29	10.62		
AA-N-135-301-97	WC	39.11	-76.67	02131002	Severn River	SEVERN RUN	3	4910.37		3.25				2.71			30.97
AA-N-160-215-97	WC	39.11	-76.56	02131001	Magothy River	MAGOTHY R	2	3099.11		4.00				2.14		6.28	30.21
AA-N-162-216-97	WC	39.11	-76.70	02131002	Severn River	SCHULTZ RUN	2	695.59		3.25				2.71	37.77	6.73	
AA-N-201-203-97	WC	39.08	-76.63	02131002	Severn River	JABEZ BR	2	3364.1		2.00				1.86			
AA-N-209-104-97	WC	39.12	-76.55	02131001	Magothy River	MAGOTHY R UT1	1	265.31						1.29	33.24		76.43
AA-N-211-101-97	WC	38.89	-76.59	02131004	West River	MILL SWAMP BR	1	107.36	15.00		1			1.86	2.73	6.40	
AA-N-230-302-97	WC	39.10	-76.69	02131002	Severn River	SEVERN RUN	3	2754.8		3.00				1.86			26.53
AA-N-230-307-97	WC	39.11	-76.70	02131002	Severn River	SEVERN RUN	3	2569.85		2.50				1.57		6.76	28.24
AA-N-230-313-97	WC	39.11	-76.70	02131002	Severn River	SEVERN RUN	3	2520.82		3.25				2.14			28.24
AA-N-230-319-97	WC	39.11	-76.70	02131002	Severn River	SEVERN RUN	3	714.69		2.75				2.43		6.41	
AA-N-250-217-97	WC	39.00	-76.63	02131003	South River	NORTH R	2	2645.03						2.71		6.91	
AA-N-258-121-97	WC	39.03	-76.60	02131002	Severn River	DEEP DITCH BR	1	90.09			1			2.71	12.06		26.44
AA-N-278-109-97	WC	39.04	-76.64	02131003	South River	BACON RIDGE BR	1	507.59						1.29			
AA-N-281-310-97	WC	39.10	-76.64	02131002	Severn River	SEVERN RUN	3	9800.11		2.75				4.43			28.35
AA-N-281-311-97	WC	39.10	-76.64	02131002	Severn River	SEVERN RUN	3	9914.58		3.00				2.71			28.03
AA-S-037-214-97	WC	38.85	-76.56	02131004	West River	LERCH CR	2	1372.5						1.00			
CA-S-012-119-97	WC	38.54	-76.55	02131005	West Chesapeake Bay	PARKER CR UT1	1	253.91						1.57	33.97		
CA-S-019-111-97	WC	38.69	-76.59	02131005	West Chesapeake Bay	FISHING CR UT1	1	143.35			1			1.57	8.62		
CA-S-053-212-97	WC	38.53	-76.55	02131005	West Chesapeake Bay	PARKER CR	2	4128.66		2.50				2.43			

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
WA-V-174-236-95	UP	92.53					7.20		32.47								8	1	9			1	7				7.00	FR	CP	10				
WA-V-175-208-95	UP	86.86					6.44											2	8				10	100		20	0.00		PA	8				
WA-V-175-216-95	UP	88.56					4.56							X				5						100			0.00		PV	1				
WA-V-176-109-95	UP	86.42					6.63		25.91									1	9		10	3		100				TG	CP	6	6		9.25	
WA-V-192-115-95	UP						5.23		46.78				X	X			5	3	6	6		5	5	100			0.00		PV	1	1		19.00	
WA-V-193-110-95	UP	86.93					2.72		29.46								1	1	6	3	3	1	6	100		5	0.00		PA	6		12.00	8.75	
AA-N-012-110-97	WC								31.37								6	4	4	6	7	7	8	90			5.00	OF	PA	6	9	9.00	4.75	
AA-N-034-206-97	WC																					10		85				FR	FR	6	5			
AA-N-072-103-97	WC																		10			6	3					FR	LN	5	10		16.75	
AA-N-075-122-97	WC				43.80	AD											5	3	3	3	6	5		100				FR	FR	6	3	6.00	3.00	
AA-N-091-320-97	WC																		10			9	7	100				FR	FR					
AA-N-120-102-97	WC		4.00		-108.80	AD		0.70									9	6	1	8	0			98				FR	HO	5	8		18.50	
AA-N-135-301-97	WC																10	10	10			10		100				FR	FR		9			
AA-N-160-215-97	WC																											FR	PV	4	4			
AA-N-162-216-97	WC							4.90		8.50									5	10	7	9	6					FR	FR	5				
AA-N-201-203-97	WC																		10	10		5	5					FR	FR				13.25	
AA-N-209-104-97	WC						2.72							X			10	5	10	10		9		95			0.00		CP	5			16.25	
AA-N-211-101-97	WC	89.06						3.60									2	1	2	2	1	1	6	100	20		0.00		PA	4		16.00	2.00	
AA-N-230-302-97	WC																8	7			10	10	4					FR	PV	6	1			
AA-N-230-307-97	WC													X			10	10			10		6					FR	FR	6	6			
AA-N-230-313-97	WC																				10		9				10.00	FR	HO	2	5			
AA-N-230-319-97	WC																				10		8					FR	HO	2	8			
AA-N-250-217-97	WC				0.60	AD																												
AA-N-258-121-97	WC																9	5	5	7	10	7	5	95				FR	FR		5		7.00	
AA-N-278-109-97	WC																																	
AA-N-281-310-97	WC																					10		95				FR	FR					
AA-N-281-311-97	WC																							100				FR	FR					
AA-S-037-214-97	WC				127.70	AD			27.12																									
CA-S-012-119-97	WC																		10	7	10			100				FR	FR			15.00	7.50	
CA-S-019-111-97	WC																9		2	5	6	10		100				FR	FR			6.00	3.50	
CA-S-053-212-97	WC																		6		0			100				FR	FR					

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
CA-S-074-218-97	WC	38.52	-76.57	02131005	West Chesapeake Bay	PARKER CR	2	1839.88		2.75				1.57	39.08		
CA-S-086-209-97	WC	38.61	-76.52	02131005	West Chesapeake Bay	PLUM POINT CR	2	2549.22		2.75				3.29			
CA-S-119-210-97	WC	38.64	-76.55	02131005	West Chesapeake Bay	FISHING CR	2	637.92		1.50				2.43	18.88		
CA-S-119-211-97	WC	38.64	-76.56	02131005	West Chesapeake Bay	FISHING CR	2	682		1.50				2.71	17.57		
CA-S-171-114-97	WC	38.62	-76.53	02131005	West Chesapeake Bay	PLUM POINT CR UT1	1	187.82	72.00		1			1.00	28.31		
CA-S-200-213-97	WC	38.69	-76.58	02131005	West Chesapeake Bay	FISHING CR UT1	2	568.74		1.50				2.14	29.22		
GA-A-010-205-95	YG	39.46	-79.33	05020203	Deep Creek Lake	DEEP CREEK LAKE UT1	2	507.68		1.57				3.44	2.74	6.22	
GA-A-011-301-97	YG	39.55	-79.31	05020203	Deep Creek Lake	CHERRY CR	3	7246.34		1.00				1.44	11.36		
GA-A-011-317-97	YG	39.55	-79.30	05020203	Deep Creek Lake	CHERRY CR	3	7128.99		1.29				2.11	9.46		
GA-A-030-213-97	YG	39.70	-79.01	05020204	Casselman River	PINEY CR	2	7633.63		3.86				2.33	32.67	6.67	
GA-A-050-201-97	YG	39.38	-79.39	05020201	Youghiogheny River	TROUT RUN	2	4247.02		2.14				3.22			
GA-A-111-316-95	YG	39.40	-79.37	05020202	Little Youghiogheny River	LITTLE YOUGHIOGHENY R	3	8311.43		2.71				3.67	38.29		
GA-A-143-105-97	YG	39.59	-79.28	05020203	Deep Creek Lake	CHERRY CR	1	1440.33		1.00	1			1.00			
GA-A-181-303-95	YG	39.39	-79.47	05020201	Youghiogheny River	SNOWY CR	3	14674.71		1.57				2.78	39.75		
GA-A-185-309-95	YG	39.36	-79.45	05020201	Youghiogheny River	CHERRY CR	3	10065.64		2.71				3.89		6.08	
GA-A-185-321-95	YG	39.36	-79.45	05020201	Youghiogheny River	CHERRY CR	3	10157.81		2.71				3.89			
GA-A-195-203-95	YG	39.39	-79.38	05020201	Youghiogheny River	LITTLE YOUGHIOGHENY R UT2	2	1089.77		3.00				2.78			
GA-A-235-215-95	YG	39.51	-79.25	05020203	Deep Creek Lake	NORTH GLADE RUN	2	2306.36		1.29				3.22	2.58		
GA-A-251-217-97	YG	39.70	-79.45	05020201	Youghiogheny River	CHERRY CR	2	1958.73		1.86				3.00	2.80	6.16	
GA-A-358-115-95	YG	39.71	-78.98	05020204	Casselman River	PINEY CR UT2	1	1031.98		2.71				4.11	37.33		
GA-A-368-116-97	YG	39.55	-79.39	05020201	Youghiogheny River	HOYES RUN	1	867.92						2.78			
GA-A-405-112-95	YG	39.44	-79.36	05020202	Little Youghiogheny River	KINGS RUN	1	456.78		2.71				4.11	8.46		
GA-A-407-312-97	YG	39.63	-79.23	05020204	Casselman River	NORTH BR CASSELMAN R	3	10593.75		2.71				3.22			
GA-A-409-102-97	YG	39.69	-79.38	05020201	Youghiogheny River	YOUGHIOGHENY R UT1	1	868.32		2.43		1		3.67	34.96		
GA-A-420-323-95	YG	39.46	-79.43	05020201	Youghiogheny River	HERRINGTON RUN	3	7953.19		3.00		1		1.89	30.03		
GA-A-420-325-95	YG	39.46	-79.43	05020201	Youghiogheny River	HERRINGTON RUN	3	7989.03		2.71		1		1.67	12.89		
GA-A-432-320-95	YG	39.65	-79.30	05020201	Youghiogheny River	BEAR CREEK	3	10216.71		4.14		1		2.33		6.42	
GA-A-439-205-97	YG	39.59	-79.21	05020204	Casselman River	SOUTH BR CASSELMAN R	2	1435.14		3.57		1		2.11			
GA-A-443-112-97	YG	39.49	-79.47	05020201	Youghiogheny River	BULL GLADE RUN	1	422.89		1.00	1			2.11	35.90		
GA-A-450-113-97	YG	39.71	-79.11	05020204	Casselman River	CASSELMAN R UT1	1	610.25		2.71		1		3.22	15.91		
GA-A-505-210-95	YG	39.59	-79.25	05020204	Casselman River	N BR CASSELMAN R	2	5301.74		2.71				3.67	16.75		

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
CA-S-074-218-97	WC																		5	10				100				FR	FR				18.00	
CA-S-086-209-97	WC																		10	10		3		100				FR	FR				16.00	
CA-S-119-210-97	WC																		4	7	8	6	3	98				FR	FR			16.00	10.50	
CA-S-119-211-97	WC																		4	8	10	8	10	98				FR	FR				5.00	
CA-S-171-114-97	WC																		5	6	7							FR	FR	8	10	16.00	2.75	
CA-S-200-213-97	WC																		5	9	8	8	6	100				FR	LN				6.50	
GA-A-010-205-95	YG														X		5	1	6	4	2	5					0.00		PA			19.00	9.75	
GA-A-011-301-97	YG				25.40	AMD			42.15		X							3			2							FR	PV	5	5			
GA-A-011-317-97	YG				37.20	AMD			42.56									3	9		0	5				10		FR	FR					
GA-A-030-213-97	YG				172.80	AD							X						7	8	5	6						FR	FR	5	9		19.25	
GA-A-050-201-97	YG																	7	10			5	8				0.00		PA	6	8			
GA-A-111-316-95	YG																	4	9		4	5						TG	RR					
GA-A-143-105-97	YG				-6.30	AMD			27.16		X							5				5					0.00		PA	7				
GA-A-181-303-95	YG								27.59						X			8	10								0.00		SL	3	6			
GA-A-185-309-95	YG														X			9				8	8			15		FR	FR					
GA-A-185-321-95	YG												X					5				4	5				0.00		PA					
GA-A-195-203-95	YG												X						10								8.00	FR	HO	6			16.50	
GA-A-235-215-95	YG				158.04	AD											5	3	5		0	2	10					FR	FR					
GA-A-251-217-97	YG				195.60	AMD & AD											10	5	8		0	5		100			0.00		PA	3				
GA-A-358-115-95	YG				176.95	AD													9	10	10	5					9.00	FR	PA				15.00	
GA-A-368-116-97	YG																																	
GA-A-405-112-95	YG																6	2	6	10	8	4	10				0.00		PA	5	6	15.00	5.50	
GA-A-407-312-97	YG				68.70	AMD & AD										X						5						OF	OF	3				
GA-A-409-102-97	YG				44.40	AD													8	8								LN	HO	4			8.50	
GA-A-420-323-95	YG				47.69	AD												5			6	5						FR	FR				13.75	
GA-A-420-325-95	YG				17.30	AD												5	6		2	5						FR	FR		10		13.00	
GA-A-432-320-95	YG				161.01	AD																						PA	PV	2				
GA-A-439-205-97	YG				181.20	AMD			43.44										9	10								FR	TG					
GA-A-443-112-97	YG		4.77	4.43	-25.20	AD											10	10	8	7								FR	FR				16.00	
GA-A-450-113-97	YG																10		7	7	6							FR	FR				8.25	
GA-A-505-210-95	YG				110.87	AMD & AD												3	10		1	8					0.00		FR					

Table F-1. Continued

Site	Basin	Latitude	Longitude	Watershed 8-Digit Code	MD Watershed Name	Stream Name	Stream Order	Catchment Area (acres)	Segment Length Sampled (m)	FIBI	Fish Captured ?	Brook Trout?	Blackwater?	BIBI	PHI	Hilsenhoff Index	% Urban Land Use
GA-A-511-322-95	YG	39.61	-79.24	05020204	Casselman River	N BR CASSELMAN R	3	8420.67		3.29		1		2.78			
GA-A-521-108-95	YG	39.70	-79.29	05020201	Youghiogheny River	MILL RUN	1	1860.78		1.86				4.56	18.84		
GA-A-547-108-97	YG	39.56	-79.46	05020201	Youghiogheny River	SALT BLOCK RUN	1	2612.78		1.86				4.11	11.57		
GA-A-548-317-95	YG	39.55	-79.29	05020203	Deep Creek Lake	CHERRY CR	3	2336.5		1.00				1.67	17.04		
GA-A-551-227-95	YG	39.62	-79.32	05020201	Youghiogheny River	S BR BEAR CR UT2	2	1282.05		1.29				3.44	3.34		
GA-A-563-318-95	YG	39.46	-79.45	05020201	Youghiogheny River	HERRINGTON CR	3	7055.65		2.43				3.22	14.33		

Table F-1. Continued

Site	Basin	% Agricultural Land Use	pH Spring	pH Summer	ANC (ueq/L)	Acid Source	Nitrate Nitrogen (mg/L)	DO (ppm)	Sulfate (mg/L)	DOC (mg/L)	Surface Mine	Landfill	Channelized	Storm Drain	Effluent Discharge	Beaver Pond	Instream Habitat	Epifaunal Substrate	Velocity/Depth Diversity	Pool/Glide/Eddy Quality	Riffle/Run Quality	Channel Alteration	Bank Stability	Embeddedness (%)	Channel Flow Status (%)	Shading (%)	Riparian Buffer Width (m)	Riparian Buffer Land Type	Adjacent Land Type	Remoteness Rating	Aesthetic Rating (0-20)	Maximum Depth (cm)	Average Thalweg Depth (cm)	Stream Block Type
GA-A-511-322-95	YG				51.45	AMD & AD													10									FR	FR				18.00	
GA-A-521-108-95	YG				161.93	AMD & AD													7		6							FR	FR				19.25	
GA-A-547-108-97	YG																	6	10		7	5		100		15		FR	FR					
GA-A-548-317-95	YG				43.50	AMD			52.48		X								10		5	4		100				TG	FR					
GA-A-551-227-95	YG														X		6	2	7		5	4						OF	PV	8	6		14.75	
GA-A-563-318-95	YG				13.07	AD												5			7	3		100			0.00		PV	1				

Table F-2. Key to stressor matrix for 1995-1997 MBSS	
Basin:	
YG	Youghiogheny
NO	North Branch Potomac
UP	Upper Potomac
MP	Middle Potomac
PW	Potomac Washington Metro
LP	Lower Potomac
PX	Patuxent
WC	West Chesapeake
PP	Patapsco
GU	Gunpowder
BU	Bush
SQ	Susquehanna
EL	Elk
CR	Chester
CK	Choptank
NW	Nanticoke/Wicomico
PC	Pocomoke
Fish captured:	
1=No	
Brook Trout:	
1=Brook trout captured at sight	
Blackwater Stream:	
1=Blackwater stream	
Acid Source:	
AGR	Agriculture
AD	Acid deposition
ORG	Organics
AMD	Acid Mine Drainage
Riparian Buffer Type/Adjacent Land Type	
FR	Forest
OF	Old Field
EM	Emergent Vegetation
LN	Mowed Lawn
TG	Tall Grass
LO	Logged Area
SL	Bare Soil
RR	Railroad
PV	Paved Road
PK	Parking Lot/Industrial/Commercial
GR	Gravel Road
DI	Dirt Road
PA	Pasture
OR	Orchard
CP	Cropland
HO	Housing
Stream Blockage Type	
AC	Arch Culvert
BC	Box Culvert
DM	Dam
GW	Gaging Station Weir
PC	Pipe Culvert