

POTOMAC RIVER BASIN

01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC

LOCATION.--Lat 38°55'46", long 77°07'02", Arlington County, Va., Hydrologic Unit 02070010, under right downstream side of bridge on Virginia State Highway 123, and at river mile 115.9.

DRAINAGE AREA.--11,570 mi².

PERIOD OF RECORD.--Water years 1973 to current year. Prior to October 1977, published as "at Great Falls."

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1978 to September 1981.

pH: June 1978 to September 1981.

WATER TEMPERATURE: June 1978 to September 1981.

DISSOLVED OXYGEN: June 1978 to September 1981.

SUSPENDED SEDIMENT DISCHARGE: October 1978 to September 1981.

INSTRUMENTATION.--Water-quality monitor June 1978 to September 1981.

REMARKS.--Extreme high flows are sampled from the George Mason Memorial Bridge (14th Street) located 6 mi downstream from Chain Bridge. On May 3 and Nov. 17, 1994 samples were collected and analyzed using ultraclean methodologies. Data on trace metals for these dates are available from the University of Delaware. Data on organics for these dates are available from George Mason University.

EXTREMES FOR PERIOD OF DAILY RECORD--

SPECIFIC CONDUCTANCE (water years 1979, 1981): Maximum, 598 microsiemens, Sept. 12, 1981; minimum, 116 microsiemens, Jan. 25, 1979.

pH (water years 1979, 1981): Maximum, 9.3 units, Mar. 29, 1981; minimum, 6.7 units, June 2, 1981.

WATER TEMPERATURE (water years 1979, 1981): Maximum, 31.0°C, July 23, 24, 1978; minimum, 0.0°C on many days during winter periods.

DISSOLVED OXYGEN (water years 1979, 1981): Maximum, 16.4 mg/L, on many days in 1979; minimum, 5.6 mg/L, June 2, 1981.

SEDIMENT CONCENTRATION: Maximum daily mean, 812 mg/L, Sept. 6, 1979; minimum daily mean, 1 mg/L on many days during winter periods.

SEDIMENT LOAD: Maximum daily, 281,000 tons, Feb. 27, 1979; minimum daily, 3.2 tons, Jan. 5, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-	PH	BARO-		OXYGEN,	HARD-	
			CHARGE, INST. CUBIC FEET DUCT- PER SECOND (00061)	SPE- CIFIC CON- FIELD (STAND- ANCE ARD (US/CM) (00095)	WATER WHOLE FIELD (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	SURE (MM OF HG) (00025)	SOLVED SATUR- ATION (00301)
OCT									
01...	0935	*ENVIRONMENTAL	24100	--	--	--	--	--	--
02...	0735	*ENVIRONMENTAL	20100	--	--	--	--	--	--
04...	1202	*ENVIRONMENTAL	10900	--	--	--	--	--	--
06...	1045	*ENVIRONMENTAL	10600	--	--	--	--	--	--
11...	1048	*ENVIRONMENTAL	11600	--	--	--	--	--	--
12...	1006	*ENVIRONMENTAL	11900	--	--	--	--	--	--
12...	1130	ENVIRONMENTAL	11700	274	8.0	18.5	18.0	770	9.6
13...	1018	*ENVIRONMENTAL	10300	--	--	--	--	--	--
14...	1134	*ENVIRONMENTAL	10100	--	--	--	--	--	--
20...	0950	*ENVIRONMENTAL	4940	--	--	--	--	--	--
27...	1030	*ENVIRONMENTAL	3340	--	--	--	--	--	--
NOV									
03...	1245	*ENVIRONMENTAL	3280	--	--	--	--	--	--
09...	1054	*ENVIRONMENTAL	5090	--	--	--	--	--	--
09...	1100	ENVIRONMENTAL	5090	375	8.5	20.0	12.0	765	11.1
17...	1125	*ENVIRONMENTAL	2710	--	--	--	--	--	--
23...	1110	*ENVIRONMENTAL	2400	--	--	--	--	--	--
DEC									
01...	1145	*ENVIRONMENTAL	8150	--	--	--	--	--	--
01...	1246	*ENVIRONMENTAL	8150	--	--	--	--	--	--
03...	0308	*ENVIRONMENTAL	6520	--	--	--	--	--	--
09...	1045	ENVIRONMENTAL	4300	287	8.3	7.0	7.0	770	12.4
15...	1100	*ENVIRONMENTAL	1650	--	--	--	--	--	--
16...	1300	*ENVIRONMENTAL	2100	--	--	--	--	--	--
17...	1353	*ENVIRONMENTAL	22800	--	--	--	--	--	--
18...	1500	*ENVIRONMENTAL	19500	--	--	--	--	--	--
19...	1135	*ENVIRONMENTAL	15600	--	--	--	--	--	--
28...	1101	*ENVIRONMENTAL	6230	--	--	--	--	--	--
JAN									
13...	1130	ENVIRONMENTAL	5640	297	8.3	13.0	5.0	761	12.7
FEB	09...	1115	ENVIRONMENTAL	3450	388	8.5	6.0	1.5	765
MAR	09...	1215	ENVIRONMENTAL	7280	261	8.5	25.0	12.5	753
	24...	1015	ENVIRONMENTAL	42500	195	7.9	16.0	8.5	765
APR	19...	1114	BLANK	--	--	--	--	--	--
	19...	1115	ENVIRONMENTAL	17400	230	8.1	16.0	13.0	761
	19...	1116	REPLICATE	--	--	--	--	--	--
MAY	11...	1115	ENVIRONMENTAL	6080	267	8.4	24.5	25.0	760
	15...	0700	*ENVIRONMENTAL	4680	--	--	--	--	--
JUN	14...	1030	ENVIRONMENTAL	4610	280	8.0	20.1	25.0	764
JUL	11...	1200	ENVIRONMENTAL	2450	329	8.5	22.0	27.5	759
	11...	1201	REPLICATE	--	--	--	--	--	--
AUG	17...	1129	BLANK	--	--	--	--	--	--
	17...	1130	ENVIRONMENTAL	2900	288	8.3	26.5	26.5	763
SEP	14...	1145	ENVIRONMENTAL	3170	336	8.3	28.0	26.0	760
									8.4
									103
									130

* Samples collected and analyzed by Occquan Watershed Monitoring Laboratory.

01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	LINITY WAT DIS TOT IT FIELD CACO3 (39086)	BONATE WATER DIS IT FIELD HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS F) (00950)	RESIDUE AT 105 DEG. C. PENDED (MG/L) (00955)	TOTAL SUS- PENDED (MG/L) (00530)
OCT												
01...	--	--	--	--	--	--	--	--	--	--	--	199
02...	--	--	--	--	--	--	--	--	--	--	--	119
04...	--	--	--	--	--	--	--	--	--	--	--	45
06...	--	--	--	--	--	--	--	--	--	--	8.9	23
11...	--	--	--	--	--	--	--	--	--	--	--	126
12...	--	--	--	--	--	--	--	--	--	--	--	49
12...	--	--	--	--	73	89	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	8.3	25
14...	--	--	--	--	--	--	--	--	--	--	--	28
20...	--	--	--	--	--	--	--	--	--	--	6.4	32
27...	--	--	--	--	--	--	--	--	--	--	4.1	2
NOV												
03...	--	--	--	--	--	--	--	--	--	--	1.5	32
09...	45.2	11.2	13.2	3.1	122	149	--	32.3	18.9	.1	.7	--
17...	--	--	--	--	--	--	--	--	--	--	.6	5
23...	--	--	--	--	--	--	--	--	--	--	.2	14
DEC												
01...	--	--	--	--	--	--	--	--	--	--	1.0	17
01...	--	--	--	--	--	--	--	--	--	--	--	8
03...	--	--	--	--	--	--	--	--	--	--	--	4
09...	--	--	--	--	86	106	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	60
16...	--	--	--	--	--	--	--	--	--	--	--	91
17...	--	--	--	--	--	--	--	--	--	--	--	62
18...	--	--	--	--	--	--	--	--	--	--	--	86
19...	--	--	--	--	--	--	--	--	--	--	--	47
28...	--	--	--	--	--	--	--	--	--	--	--	2
JAN												
13...	35.9	8.28	10.1	2.2	--	--	--	29.6	15.8	.1	2.4	--
FEB												
09...	--	--	--	--	103	126	--	--	--	--	--	--
MAR												
09...	--	--	--	--	71	87	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	6.6	--
APR												
19...	--	--	--	--	--	--	--	--	--	--	--	--
19...	25.5	6.18	7.7	2.0	74	90	--	20.2	13.1	<.1	4.3	27
19...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
11...	--	--	--	--	82	100	--	--	--	--	--	<10
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
14...	--	--	--	--	78	95	--	--	--	--	--	<10
JUL												
11...	--	--	--	--	107	130	2	--	--	--	--	<10
11...	35.6	9.08	10.3	2.9	--	--	--	25.3	15.8	<.1	5.9	<10
AUG												
17...	.04	<.01	E.1	<.2	--	--	--	<.3	<.3	<.1	<.1	<10
17...	35.0	7.94	8.4	3.2	81	99	--	25.3	11.9	.1	8.0	<10
SEP												
14...	37.1	8.93	11.2	3.1	98	120	<2	32.9	14.9	.1	5.3	<10

E Estimated value.

< Actual value is known to be less than the value shown.

POTOMAC RIVER BASIN

01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, RESIDUE AT 180 DEG. C	NITRO- GEN, DIS- TOTAL SOLVED (70300)	NITRO- NITRATE GEN, DIS- SOLVED (00600)	NITRO- GEN, DIS- SOLVED (00618)	NITRO- NO ₂ +NO ₃ GEN, DIS- SOLVED (00613)	NITRO- AMMONIA GEN, AM- DIS- SOLVED (00631)	NITRO- MONIA + ORGANIC GEN, DIS- SOLVED (00608)	NITRO- MONIA + ORGANIC GEN, DIS- SOLVED (00625)	NITRO- TOTAL DIS. SOLVED (00623)	NITRO- TOTAL DIS. SOLVED (00602)	NITRO- TOTAL DIS. SOLVED (00605)	NITRO- GEN, DIS- TOTAL (00607)	PHOS- PHORUS TOTAL (00665)	
	(MG/L) (AS N) (00600)	(MG/L) (AS N) (00618)	(MG/L) (AS N) (00613)	(MG/L) (AS N) (00631)	(MG/L) (AS N) (00608)	(MG/L) (AS N) (00625)	(MG/L) (AS N) (00623)	(MG/L) (AS N) (00602)	(MG/L) (AS N) (00605)	(MG/L) (AS N) (00607)	(MG/L) (AS N) (00665)	(MG/L) (AS N) (00607)	(MG/L) (AS P) (00665)	
OCT														
01...	--	2.9	--	--	1.30	.100	1.6	.54	1.8	1.5	.44	.430		
02...	--	3.3	--	--	1.83	.110	1.5	.79	2.6	1.4	.68	.380		
04...	--	2.2	--	--	1.52	.070	.67	.43	2.0	.60	.36	.170		
06...	--	2.4	--	--	1.84	.040	.57	.48	2.3	.53	.44	.140		
11...	--	2.7	--	--	1.82	.020	.84	.40	2.2	.82	.38	.240		
12...	--	2.2	--	--	1.61	.010	.60	.31	1.9	.59	.30	.180		
12...	--	2.6	1.99	.017	2.00	.029	.57	.33	2.3	.54	.30	.179		
13...	--	2.1	--	--	1.54	.040	.59	.51	2.0	.55	.47	.170		
14...	--	2.1	--	--	1.58	.020	.48	.37	2.0	.46	.35	.170		
20...	--	1.9	--	--	1.47	.010	.38	.32	1.8	.37	.31	.100		
27...	--	1.5	--	--	1.30	--	.23	--	--	--	--	.050		
NOV														
03...	--	1.4	--	--	1.05	--	.35	.32	1.4	--	--	.040		
09...	--	1.2	--	--	.840	.020	.39	.26	1.1	.37	.24	.050		
09...	220	1.3	--	<.010	1.07	<.020	.25	.25	1.3	--	--	.040		
17...	--	1.0	--	--	.720	.010	.31	.23	.95	.30	.22	.050		
23...	--	.80	--	--	.450	.020	.35	.31	.76	.33	.29	.060		
DEC														
01...	--	1.5	--	--	.950	.010	.52	.34	1.3	.51	.33	.090		
01...	--	1.2	--	--	.850	.010	.37	.26	1.1	.36	.25	.080		
03...	--	1.2	--	--	.880	.010	.30	.27	1.1	.29	.26	.080		
09...	--	1.3	--	<.010	1.01	<.020	.31	.21	1.2	--	--	.054		
15...	--	1.8	--	--	.990	.040	.79	.47	1.5	.75	.43	.110		
16...	--	3.0	--	--	1.47	.130	1.5	.81	2.3	1.4	.68	.270		
17...	--	1.9	--	--	1.08	.050	.77	.35	1.4	.72	.30	.190		
18...	--	2.0	--	--	1.08	.050	.87	.39	1.5	.82	.34	.150		
19...	--	1.7	--	--	1.12	.040	.61	.36	1.5	.57	.32	.130		
28...	--	1.5	--	--	1.24	.010	.23	.22	1.5	.22	.21	.060		
JAN														
13...	177	1.6	--	<.010	1.40	<.020	.19	.12	1.5	--	--	.031		
FEB														
09...	--	1.7	--	<.010	1.40	<.020	.28	.19	1.6	--	--	.022		
MAR														
09...	--	1.6	--	<.010	1.41	<.020	.22	.14	1.6	--	--	.043		
24...	--	2.0	--	<.010	1.21	.060	.80	.31	1.5	.74	.25	.212		
APR														
19...	--	--	--	--	--	--	--	--	--	--	--	--		
19...	136	1.6	1.04	.010	1.05	.047	.52	.29	1.3	.47	.24	.170		
19...	--	--	--	--	--	--	--	--	--	--	--	--		
MAY														
11...	--	.96	.589	.011	.600	<.020	.36	.22	.82	--	--	.039		
15...	--	--	--	--	--	--	--	--	--	--	--	--		
JUN														
14...	--	1.4	1.06	.010	1.07	.035	.36	.27	1.3	.32	.23	.093		
JUL														
11...	--	--	--	--	--	--	--	--	--	--	--	--		
11...	192	1.4	--	<.010	1.04	.028	.34	.29	1.3	.31	.26	.087		
AUG														
17...	<10	--	--	<.010	<.050	<.020	<.10	<.10	--	--	--	<.008		
17...	176	1.7	--	<.010	1.26	<.020	.39	.31	1.6	--	--	.092		
SEP														
14...	190	1.3	--	<.010	.966	.022	.33	.30	1.3	.31	.27	.097		

< Actual value is known to be less than the value shown.

01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-	PHORUS	CARBON,	IRON,	MANGA-	2,6-DI-	ACETO-	ALA-	ATRA-	BEN-	FLUR-	BUTYL-
	DIS-	ORTHO,	ORGANIC	DIS-	NESE,	ETHYL	CHLOR,	CHLOR,	ZINE,	ALIN	ATE,	WATER,
	SOLVED	SOLVED	TOTAL	SOLVED	DIS-	ANILINE	WAT FLT	WATER	BHC	WATER,	WAT FLD	DISS,
	(MG/L)	(MG/L)	(MG/L)	(UG/L)								
	AS P)	AS P)	AS C)	AS FE)	AS MN)	GF, REC	REC	REC	SOLVED	REC	GF, REC	REC
	(00666)	(00671)	(00680)	(01046)	(01056)	(82660)	(49260)	(46342)	(34253)	(39632)	(82673)	(04028)
OCT												
01...	.080	.060	8.4	--	--	--	--	--	--	--	--	--
02...	.180	.140	10	--	--	--	--	--	--	--	--	--
04...	.100	.080	5.2	--	--	--	--	--	--	--	--	--
06...	.100	.090	5.0	--	--	--	--	--	--	--	--	--
11...	.240	.210	5.3	--	--	--	--	--	--	--	--	--
12...	.090	.060	5.4	--	--	--	--	--	--	--	--	--
12...	.106	.078	--	--	--	<.003	<.002	<.002	<.002	.035	<.002	<.002
13...	.130	.100	6.7	--	--	--	--	--	--	--	--	--
14...	.120	.070	4.6	--	--	--	--	--	--	--	--	--
20...	.080	.060	--	--	--	--	--	--	--	--	--	--
27...	.050	.040	4.5	--	--	--	--	--	--	--	--	--
NOV												
03...	.040	--	--	--	--	--	--	--	--	--	--	--
09...	.050	.010	3.1	--	--	--	--	--	--	--	--	--
09...	.030	.014	--	30	5	<.003	<.002	.006	<.002	.204	<.002	<.002
17...	.030	.020	--	--	--	--	--	--	--	--	--	--
23...	.040	.010	--	--	--	--	--	--	--	--	--	--
DEC												
01...	.050	.030	2.9	--	--	--	--	--	--	--	--	--
01...	.050	.020	3.5	--	--	--	--	--	--	--	--	--
03...	.060	.030	3.2	--	--	--	--	--	--	--	--	--
09...	.049	.021	--	--	--	<.003	<.002	<.002	<.002	.021	<.002	<.002
15...	--	.040	9.3	--	--	--	--	--	--	--	--	--
16...	.200	.130	10	--	--	--	--	--	--	--	--	--
17...	.090	.040	9.5	--	--	--	--	--	--	--	--	--
18...	.060	.050	16	--	--	--	--	--	--	--	--	--
19...	.050	.050	5.4	--	--	--	--	--	--	--	--	--
28...	--	--	3.3	--	--	--	--	--	--	--	--	--
JAN												
13...	.021	.018	--	30	7	<.003	<.002	<.002	<.002	.023	<.002	<.002
FEB												
09...	.014	<.010	--	--	--	<.003	<.002	<.002	<.002	.027	<.002	<.002
MAR												
09...	.029	.010	--	--	--	<.003	<.002	<.002	<.002	.024	<.002	<.002
24...	.051	.040	--	--	--	--	--	--	--	--	--	--
APR												
19...	--	--	--	--	--	<.003	<.002	<.002	<.002	<.001	<.002	<.002
19...	.041	.027	--	50	9	<.003	<.002	<.002	<.002	.213	<.002	<.002
19...	--	--	--	--	--	<.003	<.002	<.002	<.002	.216	<.002	<.002
MAY												
11...	.036	.018	--	--	--	<.003	<.002	<.002	<.002	.093	<.002	<.002
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
14...	.079	.063	--	--	--	<.003	<.002	<.002	<.002	.181	<.002	<.002
JUL												
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	.082	.062	--	E10	15	--	--	--	--	--	--	--
AUG												
17...	<.006	<.010	--	<10	<2	--	--	--	--	--	--	--
17...	.080	.062	--	20	16	<.003	<.002	<.002	<.002	.050	<.002	<.002
SEP												
14...	.086	.066	--	20	15	<.003	<.002	<.002	<.002	.031	<.002	<.002

E Estimated value.

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01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CAR-	CARBO-	CYANA-	DCPA	DEETHYL	DIAZ-	DI-	DISUL-	EPTC	ETHAL-
	BARYL	FURAN			ATRA-	INON			FOTON	FLUR-
	WATER	WATER	CHLOR-	ZINE,	ZINE,	D10 SRG	DI-	WATER	WATER	ALIN
	FLTRD	FLTRD	PYRIFOS	WATER,	FLTRD	WATER,	DISS,	ELDRIN	FLTRD	WAT FLT
	0.7 U	0.7 U	DIS-	DISS,	0.7 U	DISS,	0.7 U	DIS-	0.7 U	0.7 U
	GF, REC	GF, REC	SOLVED	REC	GF, REC	REC	GR, REC	SOLVED	GF, REC	GF, REC
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	PERCENT	(UG/L)	(UG/L)	(UG/L)
	(82680)	(82674)	(38933)	(04041)	(82682)	(04040)	(91063)	(39572)	(39381)	(82677)
OCT										
01...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
12...	E.004	<.003	<.004	<.004	<.002	E.057	107	.005	<.001	<.017
13...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
NOV										
03...	--	--	--	--	--	--	--	--	--	--
09...	<.003	<.003	<.004	<.004	<.002	E.057	112	<.002	<.001	<.017
17...	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--
DEC										
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
09...	<.003	<.003	<.004	<.004	<.002	E.029	102	<.002	<.001	<.017
15...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
JAN										
13...	<.003	<.003	<.004	<.004	<.002	E.045	78	<.002	<.001	<.017
FEB										
09...	<.003	<.003	<.004	<.004	<.002	E.058	103	<.002	<.001	<.017
MAR										
09...	<.003	<.003	<.004	<.004	<.002	E.054	108	<.002	<.001	<.017
24...	--	--	--	--	--	--	--	--	--	--
APR										
19...	<.003	<.003	<.004	<.004	<.002	E.002	95	<.002	<.001	<.017
19...	E.029	<.003	<.004	<.004	<.002	E.054	103	.015	<.001	<.017
19...	E.033	<.003	<.004	<.004	<.002	E.056	103	.015	<.001	<.017
MAY										
11...	E.005	<.003	<.004	.016	<.002	E.055	92	.005	<.001	<.017
15...	--	--	--	--	--	--	--	--	--	--
JUN										
14...	<.003	<.003	<.004	.021	<.002	E.053	103	<.002	<.001	<.017
JUL										
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
AUG										
17...	--	--	--	--	--	--	--	--	--	--
17...	<.003	<.003	<.004	<.004	<.002	E.048	98	<.002	<.001	<.017
SEP										
14...	<.003	<.003	<.004	<.004	<.002	E.039	118	<.002	<.001	<.017
									<.002	<.004

E Estimated value.

< Actual value is known to be less than the value shown.

01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ETHO-	HCH	LIN-	METHYL	METHYL		MOL-
	PROP	ALPHA	URON	AZIN-	PARA-	METRI-	INATE
WATER	FONOFO	D6 SRG	WATER	PHOS	THION	METO-	BUZIN
FLTRD	WATER	WAT FLT	LINDANE	FLTRD	WAT FLT	WAT FLT	WATER
0.7 U	DISS	0.7 U	DIS-	0.7 U	DIS-	0.7 U	WATER
	GF, REC	REC	GF, REC	SOLVED	GF, REC	GF, REC	GF, REC
	(UG/L)	(UG/L)	PERCENT	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(82672)	(04095)	(91065)	(39341)	(82666)	(39532)	(82671)
OCT							
01...	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--
12...	<.003	<.003	98	<.004	<.002	<.005	<.001
13...	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--
NOV							
03...	--	--	--	--	--	--	--
09...	<.003	<.003	106	<.004	<.002	<.005	<.001
17...	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--
DEC							
01...	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--
09...	<.003	<.003	98	<.004	<.002	<.005	<.001
15...	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--
JAN							
13...	<.003	<.003	82	<.004	<.002	<.005	<.001
FEB							
09...	<.003	<.003	96	<.004	<.002	<.005	<.001
MAR							
09...	<.003	<.003	102	<.004	<.002	<.005	<.001
24...	--	--	--	--	--	--	--
APR							
19...	<.003	<.003	87	<.004	<.002	<.005	<.001
19...	<.003	<.003	90	<.004	<.002	<.005	<.001
19...	<.003	<.003	88	<.004	<.002	<.005	<.001
MAY							
11...	<.003	<.003	83	<.004	<.002	<.005	<.010
15...	--	--	--	--	--	--	--
JUN							
14...	<.003	<.003	100	<.004	<.002	<.005	<.001
JUL							
11...	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--
AUG							
17...	--	--	--	--	--	--	--
17...	<.003	<.003	92	<.004	<.002	<.005	<.001
SEP							
14...	<.003	<.003	112	<.004	<.002	<.005	<.001

E Estimated value.

< Actual value is known to be less than the value shown.

POTOMAC RIVER BASIN

01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NAPROP-	PEB-	PENDI-	PER-		PRON-	PRO-
	AMIDE	ULATE	METH-	METHRIN	PHORATE	AMIDE	PANIL
	WATER	WATER	ALIN	CIS	WATER	CHLOR,	WATER
	FLTRD	P, P'	THION,	FILTRD	WAT FLT	FILTRD	FILTRD
	0.7 U	DDE	DIS-	0.7 U	0.7 U	WATER,	WATER,
	GF, REC	DISSOLV	SOLVED	GF, REC	GF, REC	0.7 U	0.7 U
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	DISS,	DISS,
	(82684)	(34653)	(39542)	(82669)	(82683)	(82664)	(82676)
OCT							
01...	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--
12...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
13...	--	--	--	--	--	E.008	<.003
14...	--	--	--	--	--	<.007	<.004
20...	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--
NOV							
03...	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--
09...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
17...	--	--	--	--	--	E.013	<.003
23...	--	--	--	--	--	<.007	<.004
DEC							
01...	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--
09...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
15...	--	--	--	--	--	E.007	<.060
16...	--	--	--	--	--	<.007	<.004
17...	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--
JAN							
13...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
FEB							
09...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
MAR							
09...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
24...	--	--	--	--	--	E.004	<.003
APR							
19...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
19...	<.003	<.006	<.004	<.004	<.006	<.005	E.010
19...	<.003	<.006	<.004	<.004	<.007	<.005	E.010
MAY							
11...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
15...	--	--	--	--	--	E.010	<.003
JUN							
14...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
JUL							
11...	--	--	--	--	--	E.012	<.003
11...	--	--	--	--	--	<.007	<.004
AUG							
17...	--	--	--	--	--	E.011	<.003
17...	<.003	<.006	<.004	<.004	<.004	<.005	<.002
SEP							
14...	<.003	<.006	<.004	<.004	<.004	<.005	E.016
						<.002	<.003
						<.007	<.004

E Estimated value.

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01646580 POTOMAC RIVER AT CHAIN BRIDGE AT WASHINGTON, DC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PRO-	TEBU-	TER-	TER-	THIO-	TRIAL-	TRI-	SEDI-	SED.
	PARGITE	SI-	THIURON	BACIL	BUFOS	BENCARB	LATE	FLUR-	MENT,
	WATER	MAZINE,	WATER	WATER	WATER	WATER	ALIN	SEDI-	SUSP.
	FLTRD	WATER,	FLTRD	FLTRD	FLTRD	FLTRD	FLTRD	WAT FLT	DIS- SIEVE
	0.7 U	DISS,	0.7 U	MENT, CHARGE,	DIAM.				
								SUS- SUS-	% FINER
	GF, REC	REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	PENDED PENDED THAN
	(UG/L)	(MG/L) (T/DAY) .062 MM							
	(82685)	(04035)	(82670)	(82665)	(82675)	(82681)	(82678)	(82661)	(80154) (80155) (70331)
OCT									
01...	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
12...	<.013	.023	E.008	<.007	<.013	<.002	<.001	<.002	32 1010 95
13...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
NOV									
03...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
09...	<.013	.164	E.006	<.007	<.013	<.002	<.001	<.002	2 26 --
17...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
DEC									
01...	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--
09...	<.013	.013	E.004	<.007	<.013	<.002	<.001	<.002	2 21 --
15...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
JAN									
13...	<.013	.009	E.004	<.007	<.013	<.002	<.001	<.002	6 91 --
FEB									
09...	<.013	.010	<.010	<.007	<.013	<.002	<.001	<.002	-- -- --
MAR									
09...	<.013	.009	<.010	<.007	<.013	<.002	<.001	<.002	5 92 --
24...	--	--	--	--	--	--	--	--	110 12600 94
APR									
19...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	-- -- --
19...	<.013	.081	<.010	<.007	<.013	<.002	<.001	<.002	29 1360 98
19...	<.013	.081	<.010	<.007	<.013	<.002	<.001	<.002	-- -- --
MAY									
11...	<.013	.039	E.007	<.007	<.013	<.002	<.001	<.002	4 74 --
15...	--	--	--	--	--	--	--	--	--
JUN									
14...	<.013	.056	.027	<.007	<.013	<.002	<.001	<.002	4 51 --
JUL									
11...	--	--	--	--	--	--	--	1 9.3	--
11...	--	--	--	--	--	--	--	1	--
AUG									
17...	--	--	--	--	--	--	--	<1	--
17...	<.013	.022	<.020	<.007	<.013	<.002	<.001	<.002	3 26 --
SEP									
14...	<.013	.015	<.010	<.007	<.013	<.002	<.001	<.002	6 50 --

E Estimated value.

< Actual value is known to be less than the value shown.