

POTOMAC RIVER BASIN

01660110 CHOPAWAMSIK CREEK AT I-95 NEAR JOPLIN, VA

WATER QUALITY RECORDS

PERIOD OF RECORD.--February 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT 27...	0800	ENVIRONMENTAL	.02	272	3.9	765	14.3	12.0	8.2	76
NOV 24...	1045	ENVIRONMENTAL	.17	128	6.1	754	13.3	8.5	10.6	92
DEC 16...	1100	ENVIRONMENTAL	.55	109	6.4	752	9.5	4.3	11.9	93
JAN 12...	1130	ENVIRONMENTAL	.73	154	6.3	762	3.0	1.1	13.0	94
FEB 02...	1145	ENVIRONMENTAL	8.9	92	6.1	750	9.0	4.3	13.0	100
MAR 10...	1315	ENVIRONMENTAL	13	128	6.5	751	3.5	4.5	13.1	95
APR 13...	1230	ENVIRONMENTAL	14	68	6.5	751	15.3	12.0	10.2	100
MAY 17...	1045	ENVIRONMENTAL	.73	154	6.3	760	18.0	15.9	7.4	92
JUN 22...	1215	ENVIRONMENTAL	.73	193	5.8	757	25.0	20.3	10.1	112
JUL 29...	0915	ENVIRONMENTAL	.05	1230	2.7	749	24.3	22.7	2.2	99
AUG 26...	0845	ENVIRONMENTAL	1.2	153	5.3	752	23.5	21.7	7.8	94
SEP 14...	1300	ENVIRONMENTAL	.09	560	3.7	752	27.5	22.0	4.8	90
16...	1145	ENVIRONMENTAL	58	163	4.7	737	20.5	18.7	9.4	98
16...	1147	REPLICATE	64	163	4.7	737	20.5	18.7	9.4	98

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)	ANC UNFLTRD TIT 4.5 LAB AS (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT 27...	12	7.7	3.2	2.5	--	110	4.6	<.1	14	185
NOV 24...	6.9	3.9	2.5	2.2	--	41	4.1	<.1	14	92
DEC 16...	6.0	3.3	2.5	2.3	1.7	30	4.6	<.1	13	85
JAN 12...	7.4	4.1	6.6	1.8	1.3	43	12	<.1	14	106
FEB 02...	5.1	2.6	4.6	1.5	5.0	21	7.0	<.1	11	68
MAR 10...	4.4	2.3	13	2.4	--	17	19	<.1	12	89
APR 13...	3.6	2.0	4.0	1.1	--	13	5.7	<.1	11	58
MAY 17...	7.8	4.3	4.2	1.7	--	37	6.5	<.1	12	93
JUN 22...	11	6.4	4.3	2.0	--	72	6.5	<.1	13	127
JUL 29...	49	27	14	3.4	--	520	19	<.1	17	616
AUG 26...	11	4.7	2.2	3.1	--	57	2.7	<.1	9.4	97
SEP 14...	20	12	4.6	2.3	--	230	6.3	<.1	15	270
16...	8.8	4.7	3.6	2.0	--	64	5.2	<.1	9.0	111
16...	9.0	4.7	3.7	2.0	--	65	5.3	<.1	9.1	111

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

01660110 CHOPAWAMSIC CREEK AT I-95 NEAR JOPLIN, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT 27...	<.01	<.05	.08	.1	.2	<.05	<.05	<.01	620	<1
NOV 24...	<.01	<.05	.05	.2	<.1	<.05	<.05	.01	320	<1
DEC 16...	.01	<.05	.05	.1	.1	<.05	<.05	<.01	250	<1
JAN 12...	<.01	<.05	.04	<.1	<.1	.004	<.004	<.01	490	<1
FEB 02...	<.01	<.05	.02	.2	E.09	.016	<.004	<.01	450	<1
MAR 10...	<.01	<.05	.03	.3	.1	.015	<.004	.02	477	<1
APR 13...	<.01	<.05	<.02	.2	.1	.012	<.004	<.01	244	<1
MAY 17...	<.01	<.05	.08	.2	.1	.012	<.004	.02	543	<1
JUN 22...	<.01	.09	.05	.2	.1	.005	<.004	<.01	475	<1
JUL 29...	<.01	.10	.28	.4	.4	.014	.006	<.01	7720	<1
AUG 26...	<.01	.24	.04	.5	.3	.038	<.004	<.01	796	<1
SEP 14...	<.01	<.05	.18	.3	.3	.009	<.004	<.01	1410	<1
16...	<.01	.12	.03	.4	.2	.057	<.004	<.01	3720	E2
16...	<.01	.12	.03	.5	.2	.061	<.004	<.01	3750	2

  

DATE	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
OCT 27...	<100	<10	20	<1	<1.0	34	5	19000	19000	<1
NOV 24...	<100	<10	<10	<1	<1.0	12	1	8400	7600	<1
DEC 16...	<100	<10	<10	<1	<1.0	8	2	5800	5400	<1
JAN 12...	<100	<10	<10	<1	<1.0	14	6	7800	7600	<1
FEB 02...	<100	<10	<10	<1	<1.0	6	3	3000	2300	2
MAR 10...	24.2	<4	<24	<1	<1.0	5	2	2400	2000	3
APR 13...	25.4	<4	<24	<1	<1.0	3	<1	1810	1300	<1
MAY 17...	34.2	<4	E33.9	<1	<1.0	12	2	8040	5900	<1
JUN 22...	30.3	<4	<24	<1	<1.0	23	7	10100	8200	<1
JUL 29...	55.4	<4	<24	<1	1.9	150	35	61000	68000	6
AUG 26...	50.8	<4	E21.6	<1	<1.0	16	10	4300	2000	<1
SEP 14...	39.1	<5	E14.5	<1	<1.0	46	6	57100	58000	<1
16...	34.4	<5	E12.8	<1	2.0	20	17	3420	1200	2
16...	34.9	<5	E16.8	<1	1.7	20	18	3450	1200	2

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E Estimated.

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01660110 CHOPAWAMSIC CREEK AT I-95 NEAR JOPLIN, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 27...	<10	3100	3200	<.1	<1.0	24	<1	<1	90	30
NOV 24...	<10	1100	1100	<.1	<1.0	8	<1	<1	60	<10
DEC 16...	<10	773	780	<.1	<1.0	6	<1	<1	60	<10
JAN 12...	<10	1100	1200	<.1	<1.0	11	<1	<1	50	20
FEB 02...	<10	440	460	<.1	<1.0	5	<1	<1	<10	10
MAR 10...	<10	360	350	<.1	1.0	5	<1	<1	26.5	<10
APR 13...	<12	257	260	<.1	<1.0	2	<1	<1	21.2	<40
MAY 17...	<16.0	1110	1100	<.1	<1.0	9	<1	<1	38.1	<10
JUN 22...	<12	2200	2300	<.1	<1.0	17	<1	<1	50.3	<40
JUL 29...	20.6	12000	14000	<.1	<1.0	140	<1	<1	159	165
AUG 26...	<12	1030	1000	<.1	<1.0	21	<1	<1	39.6	E29.0
SEP 14...	E6.5	5450	5700	<.1	<1.0	39	<1	<1	72.1	36.2
16...	16.8	675	680	<.1	<1.0	38	<3	<1	28.2	80.0
16...	16.2	679	690	<.1	<1.0	38	<1	<1	28.8	78.7

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