02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA

LOCATION.--Lat 37°56'54", long 79°56'57", NAD83, Alleghany County, Hydrologic Unit 02080201, on right bank 0.4 mi upstream from Cedar Creek, 0.5 mi downstream from Gathright Dam and Lake Moomaw, and 7.3 mi southwest of Hot Springs.

DRAINAGE AREA.--345 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to current year.

REVISED RECORDS.--WDR VA-81-1: 1980.

GAGE.--Water-stage recorder. Datum of gage is 1,400.00 ft above sea level (U.S. Army Corps of Engineers bench mark). Prior to Dec. 20, 1973, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since December 1979 by Lake Moomaw (station 02011795) 0.5 mi upstream; since October 1984 by Back Creek Lake 28.5 mi upstream, amount unknown; and since January 1985 by Little Back Creek Lake 31.6 mi upstream, amount unknown. Statistics of monthly mean data and summary statistics for water years 1974-1979 (unregulated flow) are available in previous data books, water years 1991-1998. U.S. Army Corps of Engineers satellite water-quality and gage-height telemeter at station. Maximum discharge, 29,000 ft^3/s, result of cofferdam failure during construction of Gathright Dam, from rating curve extended above 9,200 ft^3/s on basis of slope-area measurement of peak flow. Minimum discharge, 3.0 ft^3/s, July 12, 1979, result of gate closure at Gathright Dam, gage height, 7.78 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 21, 1972, reached a stage of 17.20 ft, from floodmark.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	195	170	170	167	184	1080	242	453	285	267	256
2	205	162	170	170	167	186	1080	236	453	285	267	246
3	194	170	170	170	168	187	1080	236	376	285	267	246
4	190	170	170	170	169	385	1080	236	315	285	267	246
5	190	170	170	170	170	372	884	236	315	285	267	246
6	190	170	170	170	170	222	594	236	315	285	267	245
7	190	170	170	170	170	188	468	236	395	285	267	246
8	190	170	170	170	170	188	609	236	453	285	267	246
9	192	170	169	170	170	187	860	237	453	285	267	251
10	193	170	170	170	170	187	905	236	371	285	267	249
11	191	170	170	170	170	187	913	236	286	285	267	248
12	193	170	168	170	170	187	916	236	270	290	268	248
13	198	170	169	170	170	187	916	236	271	292	267	248
14	198	170	168	170	170	187	645	241	375	292	267	248
15	198	168	167	170	170	187	370	244	453	292	267	247
16	198	167	167	170	170	449	304	242	376	292	267	246
17	198	167	168	170	170	720	306	238	289	292	267	250
18	198	168	170	170	170	773	307	234	269	292	267	251
19	199	170	170	170	170	680	344	233	267	292	267	250
20	198	169	170	170	170	624	364	234	267	292	267	250
21	198	170	170	170	170	429	364	715	265	292	267	249
22	198	171	170	170	170	1190	275	1070	263	291	267	249
23	198	171	170	170	284	2130	216	2030	263	290	268	249
24	198	170	170	170	267	1410	214	2780	264	290	268	250
25	198	170	170	170	207	757	214	1620	263	289	267	249
26	198	170	170	170	263	550	214	1950	263	290	267	249
27	198	170	170	170	296	508	214	2460	265	292	267	249
28	198	170	170	170	232	508	214	2200	267	292	267	249
29	198	170	170	170	---	508	214	1500	273	238	269	249
30	197	170	170	169	---	870	230	675	285	226	271	250
31	196	---	170	167	---	1080	---	453	---	267	270	---
TOTAL	6100	5108	5256	5266	5280	16407	16394	22194	9693	8818	8289	7455
MEAN	197	170	170	170	189	529	546	716	323	284	267	248
MAX	222	195	170	170	296	2130	1080	2780	453	292	271	256
MIN	190	162	167	167	167	184	214	233	263	226	267	245
(†)	-2773	-2420	+1916	+4285	+3378	+1059	-1059	-252	-2269	-1109	-2823	-5546
MEAN‡	107	89.6	231	308	309	563	511	708	247	249	176	63.6
CFSM‡	.31	.26	.67	.89	.90	1.63	1.48	2.05	.72	.72	.51	.18
IN.‡	.36	.29	.77	1.03	.93	1.88	1.65	2.37	.80	.83	.59	.21

CAL YR 2000 MEAN‡ 326 CFSM‡ .94 IN.‡ 12.87
WTR YR 2001 MEAN‡ 298 CFSM‡ .86 IN.‡ 11.73

† Total change in contents, equivalent in cubic feet per second, per month, in Lake Moomaw; provided by U.S. Army Corps of Engineers.
‡ Adjusted for monthly change in contents.

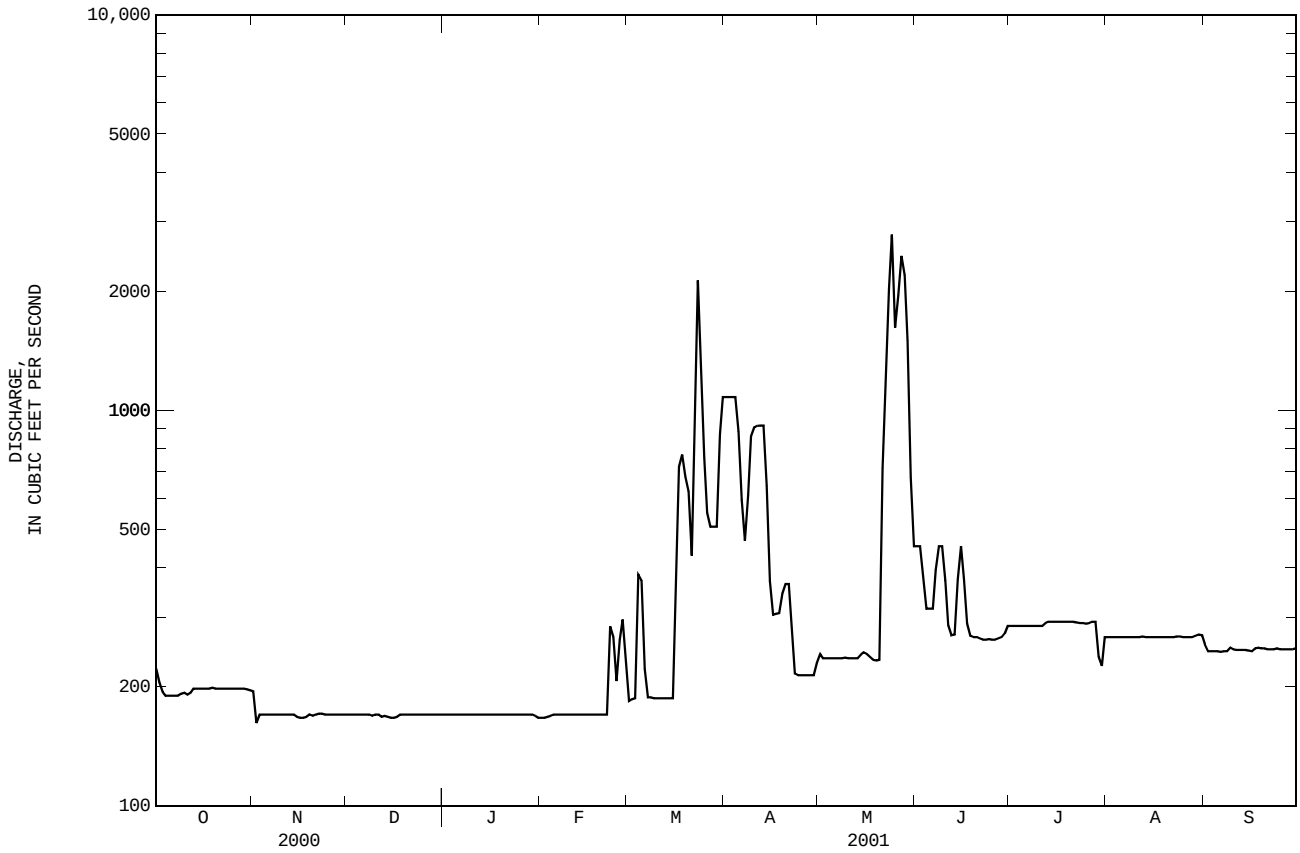
02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	229	287	261	445	604	879	711	584	415	274	277	258
MAX	829	1235	1061	1555	1466	1881	2052	1477	1017	398	644	661
(WY)	1980	1986	1997	1996	1998	1993	1987	1989	1982	1995	1984	1996
MIN	70.8	64.1	60.8	74.5	114	74.4	172	226	202	123	71.4	57.5
(WY)	1981	1982	1982	1981	1981	1981	1981	1999	1980	1980	1981	1981

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1980 - 2001	
ANNUAL TOTAL	107340		116260			
ANNUAL MEAN	293		319		434	
HIGHEST ANNUAL MEAN					592	1996
LOWEST ANNUAL MEAN					196	1981
HIGHEST DAILY MEAN	2510	Mar 23	2780	May 24	8670	Nov 7 1985
LOWEST DAILY MEAN	112	aFeb 26	162	Nov 2	47	Sep 2 1981
ANNUAL SEVEN-DAY MINIMUM	114	Feb 22	168	Dec 11	53	Aug 29 1981
MAXIMUM PEAK FLOW			2870	May 23	10400	Nov 7 1985
MAXIMUM PEAK STAGE			12.22	May 23	15.29	Nov 7 1985
INSTANTANEOUS LOW FLOW			b11	Nov 2	5.2	May 6 1980
ANNUAL RUNOFF (CFSM)	.85		.92		1.26	
ANNUAL RUNOFF (INCHES)	11.57		12.54		17.10	
10 PERCENT EXCEEDS	518		508		867	
50 PERCENT EXCEEDS	249		236		263	
90 PERCENT EXCEEDS	115		170		151	

a Also Feb. 27, 2000.
b Result of regulation.



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1978 to current year.
pH: October 1978 to current year.
WATER TEMPERATURE: October 1978 to current year.
DISSOLVED OXYGEN: October 1978 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1978.

REMARKS.--Interruption in record due to instrument malfunction. Some record in prior years fragmentary due to instrument malfunction. The intake tower at Gathright Dam permits selective withdrawal of water from one or more reservoir depths. Records represent specific conductance within 5 microsiemens, pH within 0.5 units, water temperature within 0.5°C, and dissolved oxygen within 0.5 mg/L at the intake to the monitor. All four parameters were compared at the intake with the average for the river by a cross section on Oct. 25, 2000. A maximum variation of 2 microsiemens was found for specific conductance, a maximum of 0.1 units for pH, no variation of water temperature was found, and a 0.6 mg/L variation for dissolved oxygen was found within the cross section.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE (water years 1979, 1981-01): Maximum recorded, 249 microsiemens, Nov. 5, 1985; minimum recorded, 78 microsiemens, May 14, 1979.
pH (water years 1979, 1981-01): Maximum recorded, 9.3 units, Jan. 19, 20, 1996; minimum recorded, 6.3 units, May 18, 1996.
WATER TEMPERATURE (water years 1979, 1981-01): Maximum recorded, 28.0°C, Aug. 1, 2, 1979; minimum recorded, 0.0°C, Feb. 16-19, 1979.
DISSOLVED OXYGEN (water years 1979, 1981, 1984-01): Maximum recorded, 19.5 mg/L, Jan. 16, 1979; minimum recorded, 5.7 mg/L, Aug. 1, 3, 1987.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 180 microsiemens/cm, Nov. 2; minimum recorded, 126 microsiemens/cm, June 8, 12, 13.
pH: Maximum recorded, 8.1 units, Dec. 13-18; minimum recorded, 6.5 units, Dec. 19-22.
WATER TEMPERATURE: Maximum recorded, 16.0°C, May 14; minimum recorded, 3.5°C, Feb. 3.
DISSOLVED OXYGEN: Maximum recorded, 14.5 mg/L, Jan. 31; minimum recorded, 8.0 mg/L, July 7.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	144	142	143	149	148	148	164	162	163	163	162	163
2	144	143	143	180	149	151	165	162	163	163	162	163
3	144	143	144	151	150	150	165	163	164	163	163	163
4	148	144	146	151	150	150	166	163	164	163	162	163
5	148	147	147	151	150	151	165	164	164	163	162	163
6	148	147	148	151	149	150	164	163	164	163	162	163
7	148	147	148	151	148	149	164	163	163	163	162	162
8	148	147	148	---	---	---	163	162	163	163	162	162
9	148	147	148	152	150	151	162	162	162	162	162	162
10	148	147	148	152	150	151	162	162	162	166	162	164
11	148	147	148	151	150	151	162	162	162	166	165	166
12	148	148	148	151	150	150	---	---	---	166	166	166
13	148	148	148	151	150	151	162	161	162	166	166	166
14	148	148	148	---	---	---	163	160	162	166	166	166
15	149	148	148	152	146	149	163	162	163	166	166	166
16	149	148	149	146	145	146	163	162	163	166	166	166
17	150	148	149	147	146	146	163	162	163	166	165	166
18	149	148	149	148	146	147	163	163	163	166	165	166
19	149	148	149	---	---	---	163	162	163	167	165	166
20	149	148	149	---	---	---	163	162	163	166	165	166
21	150	148	149	151	150	150	163	162	162	166	165	165
22	149	148	149	151	151	151	163	162	162	166	165	165
23	150	149	149	154	151	152	163	162	162	166	164	165
24	150	149	149	156	154	155	163	162	162	165	165	165
25	150	147	148	158	156	157	163	162	163	165	164	165
26	148	147	147	158	157	158	163	162	162	165	164	165
27	148	148	148	160	158	159	162	162	162	165	164	164
28	148	148	148	161	160	160	163	162	162	165	164	164
29	149	148	148	162	161	162	162	162	162	165	164	164
30	149	148	148	163	162	162	162	162	162	164	163	164
31	148	148	148	---	---	---	162	162	162	164	163	164
MONTH	150	142	148	180	145	152	166	160	163	167	162	164

02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	163	163	163	---	---	---	---	---	---	147	145	146
2	163	160	161	158	158	158	151	148	150	146	144	145
3	161	160	160	158	158	158	150	148	149	145	145	145
4	160	159	160	158	155	157	150	148	148	146	145	145
5	160	159	160	157	155	156	150	149	149	146	145	145
6	160	159	160	158	156	157	152	148	150	146	145	145
7	160	159	160	158	157	158	151	148	150	146	145	145
8	160	160	160	158	157	158	150	147	149	146	145	145
9	160	160	160	158	157	157	150	146	148	146	145	146
10	160	160	160	158	157	157	149	146	147	146	145	146
11	160	160	160	158	157	158	148	146	147	147	145	146
12	160	160	160	158	157	157	150	146	147	147	146	146
13	160	159	160	158	157	157	150	145	147	147	145	146
14	160	159	160	158	157	158	148	146	147	147	144	146
15	160	160	160	158	157	158	148	146	147	147	146	146
16	160	160	160	158	155	156	147	144	146	146	146	146
17	160	160	160	155	154	155	148	144	146	146	145	146
18	160	160	160	155	154	154	147	144	146	146	145	145
19	160	160	160	154	154	154	160	145	147	146	144	146
20	160	160	160	154	154	154	148	145	146	146	144	145
21	160	160	160	---	---	---	146	145	145	146	141	143
22	160	159	160	158	153	155	147	145	146	142	141	141
23	160	158	159	153	152	153	147	145	146	145	141	143
24	159	158	158	153	152	153	147	144	146	144	143	144
25	---	---	---	154	152	153	147	145	145	143	139	141
26	---	---	---	155	153	153	147	145	146	143	139	141
27	---	---	---	155	153	153	148	146	147	142	141	141
28	---	---	---	155	152	154	148	146	146	141	140	140
29	---	---	---	152	152	152	147	146	147	140	132	136
30	---	---	---	153	151	152	147	146	146	135	133	134
31	---	---	---	152	151	151	---	---	---	134	131	132
MONTH	163	158	160	158	151	155	160	144	147	147	131	143

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	132	131	132	148	146	147	143	142	143	149	148	149
2	132	129	131	149	146	148	144	142	143	149	148	149
3	132	128	131	149	147	148	144	143	143	149	148	149
4	132	130	130	149	148	148	144	143	144	149	148	149
5	132	129	130	149	148	149	144	144	144	149	148	149
6	131	129	130	149	148	149	144	144	144	149	148	149
7	131	128	129	150	149	149	144	144	144	149	148	148
8	129	126	128	---	---	---	145	144	144	---	---	---
9	129	127	128	---	---	---	145	144	144	---	---	---
10	129	128	128	---	---	---	145	144	145	---	---	---
11	130	128	129	142	141	142	145	143	145	148	148	148
12	129	126	127	142	141	142	146	143	145	148	147	148
13	129	126	127	142	141	142	145	144	145	---	---	---
14	129	127	128	142	142	142	145	144	144	148	148	148
15	129	128	128	142	142	142	148	144	146	148	147	148
16	131	128	130	142	142	142	148	147	148	148	147	147
17	133	130	131	142	142	142	148	147	148	148	147	147
18	145	132	139	142	142	142	148	147	148	148	147	147
19	145	144	145	142	142	142	148	146	148	147	146	147
20	145	144	145	142	142	142	148	147	148	147	146	146
21	---	---	---	143	142	142	148	147	148	146	146	146
22	147	144	146	143	142	142	148	147	148	146	146	146
23	148	146	147	143	142	143	148	147	148	146	146	146
24	---	---	---	143	142	143	148	147	148	146	145	146
25	148	146	147	143	143	143	148	147	148	146	145	145
26	147	146	146	143	143	143	148	147	148	145	144	145
27	147	146	147	143	143	143	148	147	148	145	144	144
28	148	147	147	143	143	143	148	147	148	144	144	144
29	148	147	147	147	143	144	148	148	148	144	143	144
30	148	147	147	146	143	144	149	147	148	144	143	144
31	---	---	---	144	143	143	149	148	148	---	---	---
MONTH	148	126	136	150	141	144	149	142	146	149	143	147
YEAR	180	126	150									

02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.3	7.2	7.2	7.6	7.5	7.6	7.6	7.5	7.5	7.2	7.0	7.1
2	7.3	7.2	7.2	7.8	7.5	7.6	7.6	7.5	7.5	7.2	7.1	7.2
3	7.3	7.2	7.2	7.6	7.6	7.6	7.6	7.4	7.5	7.3	7.1	7.2
4	7.3	7.0	7.3	7.6	7.6	7.6	7.5	7.4	7.4	7.4	7.2	7.3
5	7.3	7.3	7.3	7.6	7.5	7.6	7.5	7.4	7.5	7.4	7.2	7.3
6	7.3	7.3	7.3	7.5	7.5	7.5	7.7	7.5	7.6	7.4	7.3	7.4
7	7.4	7.3	7.3	7.5	7.5	7.5	7.7	7.6	7.6	7.6	7.4	7.5
8	7.4	7.3	7.4	---	---	---	7.8	7.5	7.7	7.6	7.4	7.5
9	7.4	7.4	7.4	7.5	7.5	7.5	7.8	7.7	7.7	7.6	7.5	7.5
10	7.4	7.4	7.4	7.5	7.5	7.5	7.9	7.7	7.8	7.7	7.6	7.6
11	7.4	7.3	7.4	7.5	7.5	7.5	7.9	7.8	7.8	7.7	7.6	7.6
12	7.4	7.3	7.4	7.5	7.5	7.5	---	---	---	7.7	7.6	7.6
13	7.4	7.3	7.4	7.6	7.5	7.5	8.1	7.9	8.0	7.7	7.6	7.6
14	7.5	7.3	7.4	---	---	---	8.1	8.0	8.0	7.7	7.6	7.6
15	7.5	7.4	7.5	7.8	7.5	7.7	8.1	8.0	8.0	7.7	7.6	7.6
16	7.5	7.4	7.4	7.7	7.7	7.7	8.1	8.0	8.0	7.6	7.6	7.6
17	7.5	7.4	7.4	7.7	7.6	7.6	8.1	8.0	8.1	7.7	7.6	7.6
18	7.5	7.4	7.4	7.6	7.6	7.6	8.1	7.8	8.0	7.7	7.6	7.6
19	7.5	7.4	7.5	---	---	---	7.8	6.5	6.8	7.7	7.6	7.6
20	7.5	7.4	7.4	---	---	---	6.6	6.5	6.5	7.7	7.6	7.6
21	7.5	7.4	7.4	7.6	7.5	7.6	6.7	6.5	6.6	7.7	7.6	7.6
22	7.6	7.5	7.5	7.7	7.6	7.7	6.7	6.5	6.6	7.7	7.6	7.6
23	7.6	7.5	7.5	7.8	7.6	7.7	6.7	6.6	6.6	7.7	7.6	7.6
24	7.6	7.5	7.5	7.7	7.6	7.7	6.8	6.7	6.8	7.7	7.6	7.6
25	7.6	7.5	7.6	7.7	7.7	7.7	6.8	6.7	6.8	7.7	7.6	7.6
26	7.6	7.6	7.6	7.8	7.7	7.7	6.9	6.7	6.8	7.7	7.6	7.6
27	7.6	7.6	7.6	7.7	7.6	7.6	6.9	6.8	6.9	7.7	7.6	7.6
28	7.6	7.6	7.6	7.6	7.6	7.6	7.0	6.8	6.9	7.7	7.6	7.6
29	7.6	7.6	7.6	7.7	7.6	7.6	7.0	6.9	7.0	7.7	7.5	7.6
30	7.6	7.6	7.6	7.6	7.5	7.6	7.1	6.9	7.0	7.7	7.5	7.6
31	7.6	7.5	7.6	---	---	---	7.1	7.0	7.0	7.6	7.0	7.2
MAX	7.6	7.6	7.6	7.8	7.7	7.7	8.1	8.0	8.1	7.7	7.6	7.6
MIN	7.3	7.0	7.2	7.5	7.5	7.5	6.6	6.5	6.5	7.2	7.0	7.1

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	7.0	7.2	---	---	---	7.7	7.5	7.7	7.7	7.5	7.6
2	7.8	7.4	7.6	7.8	7.7	7.7	7.6	7.5	7.5	7.7	7.5	7.6
3	7.7	7.6	7.6	7.7	7.6	7.7	7.6	7.5	7.6	7.7	7.5	7.6
4	7.7	7.6	7.6	7.7	7.6	7.7	7.7	7.5	7.6	7.7	7.6	7.6
5	7.7	7.6	7.6	7.8	7.7	7.7	7.9	7.6	7.8	7.7	7.5	7.6
6	7.7	7.5	7.6	7.8	7.7	7.7	8.0	7.6	8.0	7.7	7.6	7.6
7	7.6	7.5	7.5	7.8	7.7	7.7	7.7	7.5	7.6	7.8	7.6	7.6
8	7.6	7.5	7.6	7.9	7.7	7.8	7.8	7.6	7.7	7.8	7.6	7.7
9	7.6	7.5	7.6	7.9	7.8	7.8	7.8	7.7	7.8	7.8	7.6	7.6
10	7.6	7.3	7.5	7.9	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.6
11	7.3	7.2	7.3	7.9	7.8	7.8	7.9	7.8	7.8	7.8	7.6	7.6
12	7.4	7.2	7.3	7.9	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.7
13	7.4	7.2	7.3	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.6	7.7
14	7.7	7.4	7.5	7.9	7.8	7.8	7.8	7.8	7.8	7.9	7.6	7.8
15	7.6	7.5	7.6	7.8	7.6	7.6	7.9	7.8	7.8	7.8	7.7	7.7
16	7.5	7.5	7.5	7.6	7.5	7.6	7.9	7.8	7.8	7.8	7.7	7.7
17	7.5	7.5	7.5	7.6	7.6	7.6	7.9	7.8	7.9	7.8	7.7	7.7
18	7.6	7.5	7.6	7.7	7.6	7.7	8.0	7.8	7.9	7.8	7.7	7.7
19	7.6	7.5	7.6	7.8	7.7	7.7	7.9	7.8	7.8	7.8	7.6	7.7
20	7.6	7.5	7.5	7.8	7.7	7.8	7.9	7.8	7.8	7.6	7.5	7.6
21	7.6	7.5	7.6	---	---	---	7.9	7.8	7.8	7.6	7.5	7.6
22	7.7	7.6	7.7	7.7	7.6	7.7	7.9	7.8	7.8	7.6	7.5	7.5
23	7.8	7.7	7.7	7.9	7.7	7.8	7.9	7.8	7.8	7.5	7.3	7.4
24	7.8	7.7	7.7	7.9	7.8	7.9	7.9	7.8	7.8	7.4	7.3	7.4
25	7.7	7.7	7.7	7.9	7.9	7.9	7.9	7.8	7.8	7.6	7.3	7.5
26	---	---	---	7.9	7.9	7.9	7.9	7.6	7.7	7.5	7.3	7.4
27	---	---	---	7.9	7.9	7.9	7.7	7.5	7.6	7.4	7.3	7.3
28	---	---	---	8.0	7.9	7.9	7.7	7.5	7.6	7.4	7.3	7.3
29	---	---	---	8.0	7.9	8.0	7.7	7.5	7.6	7.5	7.3	7.4
30	---	---	---	8.0	7.9	7.9	7.7	7.5	7.6	7.7	7.3	7.5
31	---	---	---	8.0	7.7	7.9	---	---	---	7.7	7.5	7.6
MAX	7.8	7.7	7.7	8.0	7.9	8.0	8.0	7.8	8.0	7.9	7.7	7.8
MIN	7.3	7.0	7.2	7.6	7.5	7.6	7.6	7.5	7.5	7.4	7.3	7.3

02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.7	7.6	7.6	7.4	7.2	7.3	7.4	7.3	7.3	7.4	7.3	7.3
2	7.7	7.5	7.6	7.3	7.2	7.3	7.3	7.2	7.3	7.3	7.2	7.3
3	7.7	7.5	7.6	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1
4	7.7	7.6	7.6	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.1	7.2
5	7.7	7.5	7.6	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1
6	7.7	7.5	7.6	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1
7	7.7	7.5	7.6	7.4	7.3	7.4	7.3	7.2	7.2	7.2	7.0	7.1
8	7.6	7.5	7.6	---	---	---	7.2	7.2	7.2	7.1	7.0	7.0
9	7.6	7.5	7.6	---	---	---	7.2	7.2	7.2	---	---	---
10	7.6	7.5	7.6	---	---	---	7.2	7.2	7.2	---	---	---
11	7.6	7.5	7.6	7.4	7.3	7.3	7.2	7.2	7.2	7.0	6.9	7.0
12	7.7	7.5	7.6	7.4	7.3	7.4	7.2	7.1	7.2	7.0	6.8	6.9
13	7.6	7.5	7.5	7.4	7.4	7.4	7.2	7.1	7.2	---	---	---
14	7.5	7.3	7.3	7.4	7.4	7.4	7.2	7.1	7.2	7.3	7.1	7.2
15	7.4	7.3	7.3	7.5	7.4	7.4	7.4	7.1	7.2	7.4	7.3	7.4
16	7.4	7.3	7.3	7.5	7.4	7.4	7.4	7.3	7.3	7.4	7.4	7.4
17	7.4	7.3	7.3	7.5	7.4	7.4	7.4	7.3	7.3	7.4	7.4	7.4
18	7.5	7.3	7.4	7.4	7.3	7.4	7.4	7.3	7.3	7.4	7.4	7.4
19	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.3	7.4	7.4	7.4	7.4
20	7.6	7.4	7.4	7.4	7.3	7.3	7.5	7.4	7.4	7.4	7.4	7.4
21	---	---	---	7.4	7.3	7.3	7.5	7.4	7.4	7.4	7.4	7.4
22	7.5	7.4	7.5	7.4	7.3	7.4	7.5	7.4	7.4	7.4	7.4	7.4
23	7.5	7.4	7.4	7.4	7.3	7.4	7.5	7.4	7.5	7.4	7.4	7.4
24	---	---	---	7.4	7.3	7.4	7.5	7.4	7.4	7.4	7.3	7.4
25	7.5	7.4	7.4	7.4	7.3	7.3	7.5	7.4	7.4	7.3	7.3	7.3
26	7.5	7.4	7.5	7.3	7.3	7.3	7.5	7.4	7.4	7.3	7.3	7.3
27	7.6	7.4	7.5	7.4	7.3	7.3	7.6	7.5	7.5	7.3	7.3	7.3
28	7.5	7.4	7.4	7.3	7.3	7.3	7.6	7.5	7.5	7.3	7.3	7.3
29	7.4	7.2	7.3	7.3	7.3	7.3	7.5	7.4	7.5	7.3	7.3	7.3
30	7.4	7.2	7.3	7.4	7.3	7.3	7.5	7.3	7.4	7.3	7.3	7.3
31	---	---	---	7.4	7.3	7.3	7.4	7.3	7.3	---	---	---
MAX	7.7	7.6	7.6	7.5	7.4	7.4	7.6	7.5	7.5	7.4	7.4	7.4
MIN	7.4	7.2	7.3	7.3	7.2	7.3	7.2	7.1	7.2	7.0	6.8	6.9

YEAR			
	MAX	MAXIMUM 8.1	MINIMUM 6.6
	MIN	MAXIMUM 8.0	MINIMUM 6.5
	MEDIAN	MAXIMUM 8.1	MINIMUM 6.5

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.9	14.6	14.7	13.9	13.5	13.7	9.8	9.6	9.7	5.3	5.1	5.2
2	14.9	14.6	14.7	14.0	13.3	13.7	9.7	9.4	9.6	5.1	4.8	5.0
3	15.1	14.6	14.9	13.9	13.5	13.7	9.5	9.2	9.4	4.9	4.7	4.8
4	15.3	14.8	15.1	13.8	13.5	13.7	9.4	9.1	9.2	5.0	4.8	4.9
5	15.4	15.1	15.2	13.6	13.3	13.4	9.3	9.0	9.2	4.9	4.7	4.8
6	15.4	15.0	15.2	13.4	13.0	13.2	9.1	8.9	9.0	4.8	4.6	4.7
7	15.1	14.6	14.9	13.4	13.0	13.2	9.0	8.8	8.9	4.8	4.5	4.6
8	14.9	14.4	14.6	---	---	---	8.9	8.6	8.8	4.6	4.3	4.5
9	14.6	14.3	14.4	13.4	13.3	13.4	8.7	8.4	8.6	4.3	4.0	4.2
10	14.5	14.2	14.3	13.3	13.0	13.1	8.5	8.3	8.4	4.3	4.0	4.1
11	14.4	14.1	14.3	13.1	12.8	13.0	8.4	8.2	8.3	4.2	3.9	4.1
12	14.4	14.0	14.3	13.1	12.8	12.9	---	---	---	4.3	4.1	4.1
13	14.4	14.0	14.2	13.0	12.8	12.9	8.1	7.8	8.0	4.3	4.0	4.1
14	14.4	13.9	14.2	---	---	---	8.1	7.3	7.9	4.4	4.1	4.2
15	14.4	14.0	14.2	12.8	12.2	12.5	7.9	7.7	7.8	4.4	4.1	4.2
16	14.5	14.1	14.3	12.7	12.4	12.6	7.7	7.6	7.7	4.3	4.0	4.1
17	14.5	14.2	14.4	12.7	12.4	12.6	7.7	7.3	7.6	4.3	3.9	4.1
18	14.4	14.3	14.4	12.5	12.4	12.5	7.4	7.2	7.3	4.2	4.1	4.1
19	14.4	14.1	14.3	---	---	---	7.3	6.9	7.2	4.4	4.1	4.3
20	14.4	14.1	14.3	12.4	12.1	12.2	7.0	6.8	6.9	4.5	4.0	4.3
21	14.5	14.1	14.3	12.1	11.8	12.0	7.0	6.7	6.9	4.1	3.7	3.9
22	14.5	14.2	14.3	11.8	11.6	11.7	6.8	6.4	6.6	4.1	3.7	3.9
23	14.4	14.1	14.3	11.7	11.4	11.5	6.4	6.2	6.3	4.1	3.8	3.9
24	14.4	14.1	14.2	11.4	11.1	11.3	6.4	6.2	6.3	4.3	3.9	4.0
25	14.3	14.2	14.2	11.1	11.0	11.1	6.2	5.9	6.1	4.1	3.8	3.9
26	14.4	14.1	14.2	11.1	10.8	11.0	6.0	5.8	5.9	4.1	3.7	3.9
27	14.3	14.0	14.1	10.8	10.4	10.6	6.0	5.8	5.9	4.1	3.7	3.9
28	14.3	14.0	14.2	10.4	10.0	10.2	5.8	5.6	5.7	4.0	3.6	3.8
29	14.0	13.8	13.9	10.1	9.9	10.0	5.8	5.5	5.6	4.1	3.7	3.9
30	13.9	13.7	13.8	9.9	9.7	9.8	5.6	5.3	5.4	4.2	3.9	4.0
31	13.9	13.6	13.8	---	---	---	5.4	5.2	5.3	4.0	3.7	3.9
MONTH	15.4	13.6	14.4	14.0	9.7	12.3	9.8	5.2	7.5	5.3	3.6	4.2

02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.6	3.8	---	---	---	6.9	6.5	6.6	11.1	10.1	10.5
2	4.2	3.6	3.8	5.4	5.1	5.2	7.3	6.7	7.0	11.0	10.1	10.6
3	3.8	3.5	3.7	5.5	5.1	5.3	7.3	6.7	6.9	11.3	10.5	10.8
4	4.0	3.6	3.8	5.3	4.9	5.1	7.0	6.8	6.9	11.3	10.5	10.9
5	4.1	3.8	3.9	5.3	4.8	5.0	7.2	6.7	7.0	11.3	10.5	10.9
6	4.1	3.7	3.9	5.2	4.9	5.0	7.6	6.5	7.0	11.6	10.2	11.1
7	4.2	3.8	4.0	5.3	4.9	5.0	7.7	6.7	7.1	11.9	10.2	10.9
8	4.2	3.9	4.1	5.3	4.8	5.1	8.4	6.8	7.5	11.6	10.6	11.2
9	4.4	4.0	4.2	5.5	5.0	5.2	8.4	6.9	7.6	12.0	10.8	11.4
10	4.3	4.1	4.2	5.5	5.0	5.2	8.2	7.0	7.6	12.1	11.2	11.5
11	4.3	3.9	4.1	5.6	5.1	5.3	8.5	7.5	7.9	12.6	11.1	11.7
12	4.3	4.1	4.2	5.9	5.3	5.5	8.8	7.1	8.0	12.8	11.2	12.0
13	4.5	4.2	4.3	6.0	5.4	5.7	9.9	6.9	8.2	12.9	11.6	12.2
14	4.5	4.2	4.3	6.2	5.7	5.9	9.5	8.5	8.9	16.0	11.6	14.3
15	4.5	4.2	4.3	6.0	5.8	5.8	9.1	8.2	8.7	14.9	14.0	14.4
16	4.5	4.3	4.4	5.8	5.5	5.6	10.9	8.9	9.8	14.5	14.1	14.2
17	4.4	4.2	4.3	5.7	5.5	5.6	11.1	8.0	9.6	14.2	13.8	14.0
18	4.3	4.0	4.2	5.7	5.6	5.7	11.1	8.9	10.0	14.4	13.7	14.0
19	4.4	4.0	4.3	5.9	5.6	5.7	11.3	7.9	9.1	14.5	14.1	14.3
20	4.7	4.2	4.4	5.7	5.5	5.7	9.0	7.9	8.6	14.7	14.1	14.4
21	4.7	4.4	4.5	---	---	---	9.2	8.5	8.9	14.3	11.3	12.7
22	4.5	4.0	4.4	6.1	5.5	5.8	9.6	9.0	9.3	12.1	10.8	11.4
23	4.6	4.3	4.4	6.0	5.8	5.9	9.9	8.6	9.2	11.6	8.5	9.8
24	4.7	4.2	4.4	6.2	5.9	6.1	10.7	8.6	9.5	8.9	8.6	8.7
25	4.8	4.4	4.6	6.3	6.0	6.2	10.5	9.3	9.8	13.0	8.7	11.3
26	---	---	---	6.3	6.1	6.2	10.6	9.4	10.0	12.6	9.1	10.6
27	---	---	---	6.4	6.1	6.2	11.2	9.5	10.2	10.0	9.1	9.5
28	---	---	---	6.4	6.2	6.3	10.9	9.7	10.3	10.1	9.5	9.8
29	---	---	---	6.3	6.1	6.2	10.8	9.5	10.4	14.3	9.9	12.0
30	---	---	---	6.7	6.1	6.3	10.9	9.5	10.3	15.1	13.4	14.2
31	---	---	---	6.7	6.4	6.5	---	---	---	14.2	13.5	13.9
MONTH	4.8	3.5	4.2	6.7	4.8	5.7	11.3	6.5	8.6	16.0	8.5	11.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.2	13.6	13.9	15.5	14.6	15.1	15.3	14.7	14.9	14.7	14.4	14.5
2	14.5	13.4	13.9	15.2	14.6	14.9	14.9	14.0	14.4	14.8	14.4	14.5
3	14.8	13.5	14.2	15.2	14.4	14.8	14.6	14.0	14.2	14.6	14.4	14.4
4	14.5	13.8	14.2	15.1	14.4	14.7	14.8	14.2	14.4	14.8	14.4	14.5
5	14.8	13.9	14.2	15.0	14.5	14.7	14.8	14.3	14.5	14.9	14.5	14.7
6	15.0	14.3	14.5	15.2	14.7	14.9	15.0	14.5	14.7	14.9	14.5	14.7
7	15.2	14.1	14.7	15.3	14.6	14.9	15.1	14.6	14.8	15.0	14.6	14.7
8	14.9	14.4	14.7	---	---	---	15.2	14.8	15.0	15.0	14.6	14.8
9	15.1	14.5	14.8	---	---	---	15.1	14.4	14.8	---	---	---
10	15.2	13.9	14.6	---	---	---	14.8	14.4	14.5	---	---	---
11	15.0	13.8	14.4	14.9	14.3	14.6	15.0	14.4	14.6	14.8	14.5	14.7
12	15.2	13.9	14.6	14.9	14.4	14.6	15.0	14.5	14.7	14.9	14.5	14.6
13	14.8	14.2	14.5	14.8	14.3	14.5	15.0	14.5	14.8	14.9	14.6	14.7
14	14.7	14.2	14.5	14.7	14.2	14.5	15.2	14.7	14.9	14.9	14.5	14.7
15	15.0	14.6	14.7	14.8	14.2	14.4	15.2	14.6	14.8	14.8	14.4	14.6
16	15.7	14.4	14.9	14.7	14.1	14.4	14.9	14.5	14.7	14.8	14.4	14.5
17	15.6	14.4	14.9	14.8	14.2	14.5	15.0	14.5	14.7	14.8	14.4	14.6
18	14.9	12.2	14.1	14.6	14.4	14.5	15.0	14.6	14.8	14.8	14.4	14.6
19	14.6	13.8	14.1	14.8	14.4	14.5	15.1	14.6	14.8	14.7	14.4	14.6
20	14.7	13.9	14.3	14.6	14.4	14.5	15.0	14.6	14.8	14.8	14.5	14.6
21	---	---	---	14.9	14.4	14.6	15.0	14.6	14.7	14.7	14.5	14.6
22	14.7	13.9	14.3	14.9	14.4	14.6	15.0	14.6	14.8	14.8	14.5	14.6
23	14.7	14.2	14.4	15.1	14.4	14.7	15.0	14.6	14.8	14.8	14.5	14.6
24	---	---	---	15.2	14.6	14.9	15.1	14.6	14.8	14.6	14.5	14.6
25	14.7	14.2	14.4	15.3	14.7	14.9	15.1	14.7	14.9	14.6	14.3	14.5
26	14.8	14.3	14.5	14.9	14.7	14.8	15.2	14.8	14.9	14.5	14.2	14.3
27	15.0	14.3	14.7	14.8	14.6	14.7	15.2	14.9	15.0	14.4	14.1	14.3
28	15.2	14.6	14.8	14.6	14.4	14.5	15.4	14.1	14.8	14.4	14.1	14.2
29	15.4	14.7	15.0	14.4	14.3	14.3	14.5	14.1	14.3	14.4	14.1	14.2
30	15.4	14.7	15.0	15.0	14.3	14.6	14.7	14.2	14.4	14.3	14.0	14.1
31	---	---	---	15.1	14.5	14.8	14.6	14.4	14.4	---	---	---
MONTH	15.7	12.2	14.5	15.5	14.1	14.7	15.4	14.0	14.7	15.0	14.0	14.5
YEAR	16.0	3.5	10.6									

02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.8	9.4	9.6	10.0	9.7	9.8	10.8	10.5	10.7	12.2	11.6	11.8
2	9.8	9.4	9.6	10.0	9.5	9.8	10.9	10.6	10.7	12.5	11.6	12.0
3	9.9	9.5	9.6	10.1	9.7	9.8	11.0	10.6	10.7	12.4	11.6	12.0
4	9.9	9.4	9.6	10.0	9.6	9.7	11.0	10.5	10.7	12.3	11.7	11.9
5	9.6	9.3	9.5	10.1	9.7	9.9	10.7	10.3	10.5	12.2	11.6	12.0
6	9.6	9.3	9.4	10.2	9.9	10.0	10.9	10.4	10.6	12.5	11.6	12.0
7	9.7	9.4	9.5	10.3	9.9	10.0	10.8	10.4	10.5	12.7	11.7	11.9
8	9.8	9.5	9.6	---	---	---	10.9	10.5	10.6	12.5	11.7	12.0
9	9.9	9.5	9.6	10.1	9.7	9.9	11.0	10.6	10.8	12.7	11.9	12.3
10	9.9	9.5	9.7	10.2	9.7	10.0	11.1	10.7	10.8	12.5	11.9	12.2
11	9.9	9.5	9.7	10.4	10.1	10.2	11.2	10.7	10.9	12.3	11.9	12.0
12	9.9	9.6	9.7	10.4	10.0	10.2	---	---	---	12.3	11.8	12.0
13	9.9	9.6	9.7	10.4	10.0	10.1	11.6	11.0	11.2	12.3	11.9	12.1
14	9.9	9.5	9.7	---	---	---	11.3	10.9	11.1	12.3	11.9	12.1
15	9.9	9.6	9.7	10.3	10.0	10.2	11.5	11.0	11.2	12.2	11.8	12.0
16	9.9	9.5	9.7	10.3	10.0	10.2	11.2	10.8	11.1	12.3	11.8	12.1
17	9.9	9.5	9.7	10.2	10.0	10.1	11.3	10.6	10.8	12.5	12.0	12.2
18	9.8	9.5	9.6	10.3	10.0	10.1	11.1	10.7	10.9	12.3	11.9	12.1
19	9.9	9.6	9.7	---	---	---	12.1	10.8	11.4	12.1	11.6	11.8
20	9.9	9.6	9.7	---	---	---	12.0	11.3	11.7	12.1	11.6	11.9
21	9.9	9.5	9.7	10.2	9.9	10.1	12.2	11.2	11.7	12.6	12.0	12.3
22	10.0	9.6	9.8	10.4	10.1	10.2	12.0	11.3	11.6	12.8	12.3	12.5
23	10.0	9.6	9.8	10.5	10.2	10.3	12.1	11.3	11.7	12.6	12.1	12.3
24	10.1	9.6	9.8	10.6	10.3	10.4	12.1	11.4	11.6	12.5	12.0	12.2
25	10.0	9.5	9.7	10.5	10.3	10.4	12.1	11.4	11.8	12.7	12.0	12.4
26	10.0	9.6	9.7	10.4	10.2	10.3	12.1	11.4	11.7	12.7	12.1	12.4
27	9.9	9.5	9.7	10.5	10.2	10.4	12.2	11.4	11.7	12.7	12.1	12.4
28	9.9	9.5	9.7	10.6	10.3	10.5	12.0	11.5	11.8	12.8	12.3	12.5
29	10.0	9.6	9.7	10.8	10.4	10.6	12.2	11.3	11.7	12.9	12.3	12.5
30	9.9	9.6	9.7	10.9	10.4	10.6	12.1	11.2	11.6	12.4	12.0	12.2
31	9.9	9.7	9.8	---	---	---	12.2	11.3	11.7	14.5	11.2	12.3
MONTH	10.1	9.3	9.7	10.9	9.5	10.1	12.2	10.3	11.2	14.5	11.2	12.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.6	10.6	11.0	---	---	---	12.4	12.2	12.3	10.6	9.9	10.4
2	11.7	10.7	11.4	12.4	12.0	12.2	12.3	12.0	12.2	10.6	10.0	10.3
3	12.1	11.6	11.8	12.3	12.0	12.1	12.5	12.0	12.3	10.4	10.0	10.2
4	12.1	11.5	11.8	12.9	12.0	12.4	12.5	12.3	12.4	10.4	9.9	10.1
5	11.9	11.5	11.7	12.8	12.3	12.6	12.6	12.0	12.3	10.4	9.9	10.2
6	12.1	11.6	11.8	12.6	12.2	12.3	12.4	11.5	12.0	10.4	9.6	10.1
7	12.2	11.8	11.9	12.6	12.2	12.4	12.0	11.4	11.8	10.5	9.9	10.2
8	12.3	11.8	12.0	12.5	12.1	12.3	12.0	11.3	11.7	10.2	9.8	9.9
9	12.2	11.6	12.0	12.4	12.1	12.2	12.1	11.5	11.9	10.1	9.6	9.9
10	12.3	11.6	12.0	12.5	12.0	12.2	12.2	11.6	11.9	10.0	9.6	9.8
11	12.5	12.1	12.3	12.4	11.8	12.1	11.9	11.5	11.7	9.9	9.6	9.8
12	12.6	12.2	12.4	12.3	11.9	12.1	12.0	11.2	11.6	9.8	9.1	9.6
13	12.6	12.1	12.4	12.1	11.6	11.9	12.1	10.7	11.6	10.0	9.1	9.5
14	12.7	12.1	12.3	12.0	11.5	11.7	11.7	10.6	11.1	9.6	8.2	8.7
15	12.4	12.0	12.2	11.8	11.6	11.7	11.3	10.4	10.9	8.9	8.3	8.5
16	12.4	12.0	12.2	12.5	11.7	12.1	10.7	9.6	10.2	8.9	8.4	8.6
17	12.6	11.9	12.3	12.7	12.4	12.5	11.1	9.7	10.4	9.0	8.6	8.8
18	12.8	12.3	12.6	12.8	12.6	12.7	10.9	9.8	10.2	9.1	8.6	8.8
19	12.6	12.2	12.4	12.9	12.4	12.7	11.3	10.2	10.8	9.2	8.6	8.9
20	12.6	12.1	12.4	12.7	12.6	12.6	11.3	10.8	11.0	9.2	8.8	9.0
21	12.5	12.1	12.3	---	---	---	11.3	10.8	11.0	10.9	9.0	10.0
22	12.6	12.2	12.3	13.6	11.5	12.6	11.1	10.6	10.9	11.1	10.6	10.9
23	13.0	12.2	12.7	13.5	13.3	13.4	10.9	10.6	10.7	13.3	10.8	12.2
24	13.1	12.7	12.9	13.4	12.5	12.9	10.8	10.2	10.6	13.2	13.0	13.1
25	12.7	12.2	12.5	12.7	12.1	12.4	10.8	10.4	10.6	13.1	10.4	11.3
26	---	---	---	12.3	12.1	12.2	10.8	10.3	10.5	12.9	10.5	11.8
27	---	---	---	12.3	12.1	12.2	10.8	9.9	10.4	12.8	12.3	12.6
28	---	---	---	12.3	12.1	12.2	10.8	9.9	10.4	12.6	12.2	12.4
29	---	---	---	12.3	12.1	12.2	10.8	10.0	10.5	12.3	9.8	11.1
30	---	---	---	12.7	12.1	12.3	10.7	10.3	10.5	10.2	9.2	9.7
31	---	---	---	12.5	12.2	12.4	---	---	---	9.8	9.4	9.6
MONTH	13.1	10.6	12.1	13.6	11.5	12.3	12.6	9.6	11.2	13.3	8.2	10.2

02011800 JACKSON RIVER BELOW GATHRIGHT DAM, NEAR HOT SPRINGS, VA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.6	9.4	9.5	8.5	8.1	8.3	9.6	9.1	9.3	9.6	9.2	9.3
2	9.6	9.4	9.5	8.6	8.2	8.4	10.0	9.2	9.6	9.6	9.2	9.3
3	9.5	9.0	9.3	8.6	8.3	8.4	9.7	9.1	9.4	9.5	9.2	9.3
4	9.5	9.1	9.3	8.5	8.3	8.4	9.5	9.1	9.3	9.6	9.1	9.3
5	9.5	9.1	9.3	8.6	8.2	8.3	9.5	9.2	9.3	9.5	9.1	9.2
6	9.4	9.0	9.2	8.5	8.2	8.3	9.6	9.2	9.3	9.6	9.1	9.3
7	9.5	9.1	9.2	8.4	8.0	8.2	9.5	9.1	9.3	9.4	9.0	9.2
8	9.4	9.1	9.3	---	---	---	9.5	9.1	9.3	9.4	8.9	9.1
9	9.4	9.0	9.2	---	---	---	9.7	9.1	9.3	---	---	---
10	9.4	9.0	9.2	---	---	---	9.6	9.2	9.4	---	---	---
11	9.3	9.1	9.2	9.9	9.5	9.7	9.7	9.2	9.4	9.5	9.0	9.1
12	9.1	8.9	9.0	9.9	9.5	9.7	9.6	9.2	9.4	9.5	9.1	9.2
13	9.4	9.0	9.2	10.1	9.5	9.7	9.7	9.2	9.4	---	---	---
14	9.4	9.0	9.2	10.1	9.4	9.6	9.6	9.2	9.4	9.3	9.0	9.1
15	9.3	8.9	9.1	9.7	9.3	9.5	9.7	9.2	9.5	9.4	9.1	9.2
16	9.3	8.7	9.0	9.8	9.3	9.5	9.8	9.2	9.4	9.4	9.0	9.2
17	9.2	8.6	8.9	9.7	9.1	9.4	9.7	9.3	9.4	9.3	9.0	9.1
18	9.7	8.7	9.1	9.5	9.1	9.2	9.8	9.3	9.5	9.2	8.9	9.1
19	9.2	9.0	9.1	9.5	9.1	9.3	9.7	9.2	9.4	9.2	8.9	9.1
20	9.1	8.8	9.0	9.5	9.1	9.3	9.6	9.1	9.3	9.2	8.9	9.0
21	---	---	---	9.7	9.2	9.4	9.7	9.1	9.4	9.2	9.0	9.1
22	8.9	8.7	8.8	9.8	9.2	9.4	9.6	9.1	9.3	9.2	8.9	9.0
23	8.8	8.6	8.7	9.6	9.2	9.4	9.5	9.0	9.2	9.2	8.9	9.0
24	---	---	---	9.5	9.1	9.3	9.5	9.1	9.2	9.0	8.8	8.9
25	8.8	8.5	8.7	9.6	9.1	9.3	9.6	9.0	9.2	9.1	8.9	9.0
26	8.8	8.6	8.7	9.5	9.1	9.2	9.4	8.9	9.1	9.3	9.0	9.1
27	8.8	8.5	8.7	9.6	9.2	9.4	9.3	8.8	9.0	9.2	9.0	9.1
28	8.7	8.5	8.6	9.6	9.2	9.4	9.5	8.9	9.2	9.2	9.0	9.1
29	8.6	8.4	8.5	9.5	9.0	9.3	9.6	9.2	9.4	9.3	9.1	9.2
30	8.7	8.2	8.4	9.6	9.1	9.3	9.7	9.2	9.4	9.3	9.1	9.2
31	---	---	---	9.5	9.2	9.3	9.6	9.2	9.3	---	---	---
MONTH	9.7	8.2	9.0	10.1	8.0	9.1	10.0	8.8	9.3	9.6	8.8	9.1
YEAR	14.5	8.0	10.5									

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