02081500 TAR RIVER NEAR TAR RIVER, NC

LOCATION.--Lat 36°11'39", long 78°34'59", Granville County, Hydrologic Unit 03020101, on right bank 90 ft upstream from bridge on State Highway 96, 1.2 mi upstream from Fishing Creek, 2.5 mi east of town of Tar River, and 8 mi south of Oxford.

DRAINAGE AREA.--167 mi^2.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 972: 1940-41. WSP 1112: 1941 (calendar year figures). WSP 1273: 1941(M). WSP 1723:

GAGE.--Water-stage recorder and concrete control with sharp-crested weir. Datum of gage is 286.34 ft above NAVD of 1988. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges which are poor. Occasional intermittent diversion for irrigation. Maximum discharge for period of record from rating curve extended above 11,500 ft^3/s, by logarithmic plotting.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	31	168	61	245	981	216	74	20	6.0	2.8	0.70
2	42	30	143	59	173	355	582	138	20	5.6	2.8	0.59
3	38	29	121	58	161	221	720	92	23	5.6	2.8	0.49
4	37	103	99	57	373	171	298	61	31	5.2	2.1	0.47
5	34	278	85	57	277	148	204	51	39	5.0	1.8	0.42
6	29	156	77	58	198	133	166	54	33	4.5	1.6	0.35
7	26	91	90	55	156	123	146	59	28	4.1	1.7	0.29
8	24	64	92	53	134	265	498	55	25	4.4	1.6	0.27
9	23	51	85	51	120	455	328	49	21	4.6	69	0.22
10	21	45	1,380	51	118	235	226	43	21	4.1	217	e0.21
11	20	40	2,370	50	119	175	166	42	19	4.1	48	e0.20
12	19	52	419	48	100	163	141	40	18	4.1	21	e0.18
13	29	1,120	251	48	86	147	140	38	17	3.8	11	e0.21
14	80	386	e194	1,310	81	127	196	35	16	3.5	7.1	e0.23
15	66	182	e151	1,880	89	112	157	34	15	4.3	5.9	e0.22
16	44	130	121	377	100	118	116	33	13	4.8	4.8	0.22
17	34	101	106	247	94	786	94	32	12	3.8	3.8	0.26
18	27	83	99	179	81	951	84	30	10	3.0	3.4	0.29
19	23	74	91	141	69	448	80	29	9.5	3.2	2.6	0.35
20	805	65	84	127	63	288	74	29	9.2	9.0	2.3	0.48
21	227	60	77	133	63	216	67	32	8.9	4.2	1.9	1.0
22	127	56	69	138	66	173	62	32	8.3	3.2	1.7	1.1
23	82	73	78	134	66	207	59	30	8.1	14	1.6	e0.90
24	61	342	151	113	84	484	62	28	7.2	5.1	1.6	e0.80
25	54	348	142	102	209	314	60	27	6.8	2.8	1.6	e0.70
26	49	220	103	111	169	217	53	26	6.5	1.9	1.5	e0.64
27	44	138	83	124	121	182	51	25	6.3	1.7	1.3	e0.62
28	41	679	71	98	683	1,020	49	24	6.3	1.5	1.1	e0.56
29	37	477	66	78	---	1,550	46	22	7.3	3.4	1.0	e0.54
30	34	231	65	152	---	432	49	22	7.0	3.7	0.90	e0.52
31	32	---	63	381	---	272	---	21	---	3.0	0.82	---
TOTAL	2,260	5,735	7,194	6,531	4,298	11,469	5,190	1,307	472.4	137.2	428.12	14.03
MEAN	72.9	191	232	211	154	370	173	42.2	15.7	4.43	13.8	0.47
MAX	805	1,120	2,370	1,880	683	1,550	720	138	39	14	217	1.1
MIN	19	29	63	48	63	112	46	21	6.3	1.5	0.82	0.18
CFSM	0.44	1.14	1.39	1.26	0.92	2.22	1.04	0.25	0.09	0.03	0.08	0.00
IN.	0.50	1.28	1.60	1.45	0.96	2.55	1.16	0.29	0.11	0.03	0.10	0.00

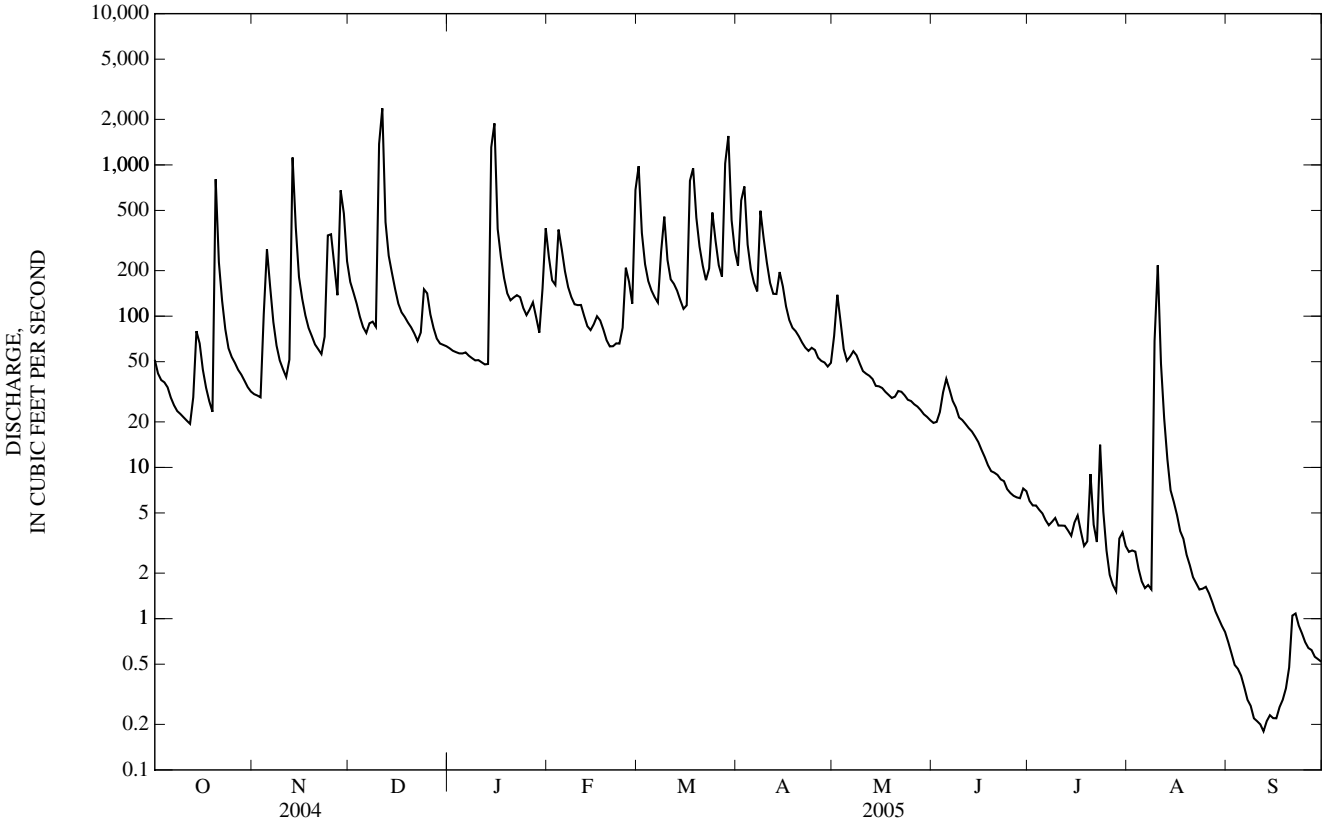
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	70.5	111	151	251	315	338	219	120	77.6	79.5	78.2	84.0
MAX	565	599	558	819	798	1,047	739	475	488	677	542	939
(WY)	(1972)	(1973)	(1973)	(1978)	(1960)	(1998)	(2003)	(1978)	(1982)	(1975)	(1955)	(1999)
MIN	0.41	0.28	4.39	7.04	44.4	61.0	33.1	12.1	2.36	0.92	1.39	0.28
(WY)	(1971)	(1942)	(1942)	(1942)	(2002)	(1981)	(1995)	(2002)	(2002)	(1966)	(1976)	(1968)

02081500 TAR RIVER NEAR TAR RIVER, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	50,286.5		45,035.75			
ANNUAL MEAN	137		123		157	
HIGHEST ANNUAL MEAN					384	2003
LOWEST ANNUAL MEAN					26.6	2002
HIGHEST DAILY MEAN	2,940	Aug 31	2,370	Dec 11	10,800	Sep 7, 1996
LOWEST DAILY MEAN	8.0	Jul 10	0.18	Sep 12	0.02	Aug 13, 1977
ANNUAL SEVEN-DAY MINIMUM	9.6	Jul 5	0.21	Sep 9	0.07	Aug 8, 1977
MAXIMUM PEAK FLOW			4,100	Dec 11	19,900*	Sep 6, 1996
MAXIMUM PEAK STAGE			10.26	Dec 11	24.06	Sep 6, 1996
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.00	Aug 14, 1977
ANNUAL RUNOFF (CFSM)	0.823		0.739		0.941	
ANNUAL RUNOFF (INCHES)	11.20		10.03		12.79	
10 PERCENT EXCEEDS	258		268		326	
50 PERCENT EXCEEDS	66		52		45	
90 PERCENT EXCEEDS	19		1.5		3.4	

* See REMARKS.
e Estimated.



02081747 TAR RIVER AT U.S. HIGHWAY 401 AT LOUISBURG, NC

LOCATION.--Lat 36°05'35", long 78°17'46", Franklin County, Hydrologic Unit 03020101, on left bank 0.1 mi downstream of bridge on U.S. Highway 401 (Bickett Boulevard) at Louisburg, and 0.2 mi upstream from Fox Creek.

DRAINAGE AREA.--427 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to current year. Published as "Tar River at Louisburg, NC" (02081740) October 1963 to September 1973. Prior to October 1972, medium- and high-water discharges only.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 175.75 ft above NAVD OF 1988. Prior to Nov. 21, 1973, nonrecording gage at bridge 0.4 mi upstream at 178.53 ft; Nov. 22, 1973, to June 24, 1980, at site 0.1 mi upstream at same datum. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred Sept. 13.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of December 1934, September 1945, and August 1955 reached stages of 26, 24, and 24 ft, respectively, at site and datum 0.4 mi upstream, from U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	139	514	234	648	2,170	598	220	75	72	63	12
2	165	136	453	228	497	1,180	652	331	92	53	52	11
3	153	136	403	220	439	613	1,510	298	132	46	43	11
4	159	197	357	218	591	499	816	208	163	42	34	9.6
5	143	541	317	218	674	446	561	169	134	38	29	9.2
6	132	492	288	216	532	413	487	293	127	35	26	8.9
7	115	336	297	214	455	383	443	382	188	33	23	8.0
8	106	246	357	206	408	556	519	261	493	46	21	7.4
9	102	201	326	204	378	1,240	662	190	248	43	23	6.8
10	101	171	573	199	366	736	544	160	150	44	469	6.4
11	97	156	2,630	195	347	549	445	144	132	37	288	6.3
12	92	203	3,020	194	325	512	390	137	113	32	88	6.0
13	173	984	708	195	293	473	396	415	92	30	49	6.7
14	448	1,310	531	711	279	424	406	443	83	28	34	7.4
15	306	557	450	2,850	279	389	421	219	75	28	27	7.7
16	204	423	391	2,590	286	381	345	242	65	29	24	7.5
17	171	349	357	655	297	906	292	165	58	26	36	7.4
18	143	303	338	517	263	2,170	268	135	52	25	52	7.5
19	e134	268	324	434	234	1,270	256	132	49	24	50	7.2
20	e1,650	246	302	406	218	737	247	184	51	49	34	7.3
21	1,020	228	266	407	221	589	231	194	49	74	27	15
22	444	215	264	408	228	511	215	144	47	42	23	23
23	310	280	291	396	227	523	214	120	45	143	20	23
24	234	540	405	373	282	825	198	109	42	170	24	17
25	201	723	428	399	418	803	189	112	40	62	30	13
26	187	570	361	382	467	587	181	105	38	40	25	11
27	171	442	e301	379	370	517	178	99	40	33	20	10
28	160	746	e271	352	592	844	170	90	69	28	17	9.5
29	152	1,420	253	300	---	2,860	168	87	108	30	15	8.8
30	148	665	251	397	---	2,330	180	83	97	41	14	8.1
31	145	---	245	659	---	736	---	79	---	61	14	---
TOTAL	7,948	13,223	16,272	15,356	10,614	27,172	12,182	5,950	3,147	1,484	1,694	299.7
MEAN	256	441	525	495	379	877	406	192	105	47.9	54.6	9.99
MAX	1,650	1,420	3,020	2,850	674	2,860	1,510	443	493	170	469	23
MIN	92	136	245	194	218	381	168	79	38	24	14	6.0
CFSM	0.60	1.03	1.23	1.16	0.89	2.05	0.95	0.45	0.25	0.11	0.13	0.02
IN.	0.69	1.15	1.42	1.34	0.92	2.37	1.06	0.52	0.27	0.13	0.15	0.03

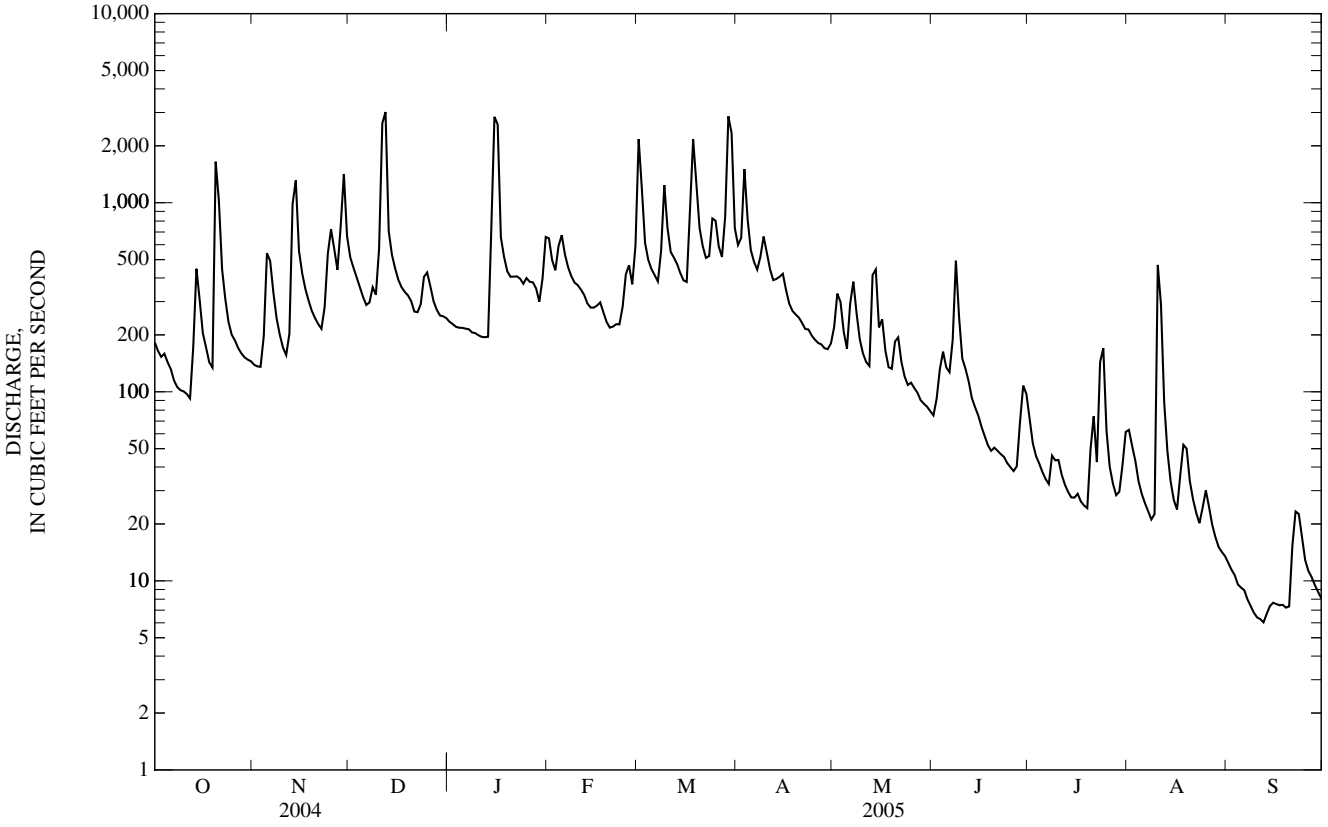
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	195	287	417	760	764	963	623	361	241	226	180	301
MAX	809	1,192	1,108	1,845	1,956	2,726	1,557	984	1,451	1,692	657	2,949
(WY)	(2003)	(1986)	(1984)	(1978)	(1998)	(1998)	(1993)	(1989)	(1982)	(1975)	(2004)	(1999)
MIN	28.5	34.9	64.5	78.0	175	214	127	54.2	14.1	29.8	26.8	9.99
(WY)	(1987)	(1999)	(2002)	(1981)	(2002)	(1988)	(1995)	(2002)	(2002)	(2002)	(1988)	(2005)

02081747 TAR RIVER AT U.S. HIGHWAY 401 AT LOUISBURG, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	127,165		115,341.7			
ANNUAL MEAN	347		316		442	
HIGHEST ANNUAL MEAN					765	2003
LOWEST ANNUAL MEAN					124	2002
HIGHEST DAILY MEAN	3,710	Aug 16	3,020	Dec 12	22,400	Sep 17, 1999
LOWEST DAILY MEAN	36	Jul 10	6.0	Sep 12	2.1	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	58	Jul 4	6.7	Sep 8	2.7	Aug 11, 2002
MAXIMUM PEAK FLOW			3,700	Dec 12	23,700	Sep 17, 1999
MAXIMUM PEAK STAGE			15.95	Dec 12	26.05	Sep 17, 1999
INSTANTANEOUS LOW FLOW			5.6*	Sep 12	1.7	Aug 15, 2002
ANNUAL RUNOFF (CFSM)	0.814		0.740		1.03	
ANNUAL RUNOFF (INCHES)	11.08		10.05		14.06	
10 PERCENT EXCEEDS	599		627		896	
50 PERCENT EXCEEDS	206		206		180	
90 PERCENT EXCEEDS	81		23		38	

* See REMARKS.
e Estimated.



02081747 TAR RIVER AT US HIGHWAY 401 AT LOUISBURG, NC—Continued

PRECIPITATION RECORDS

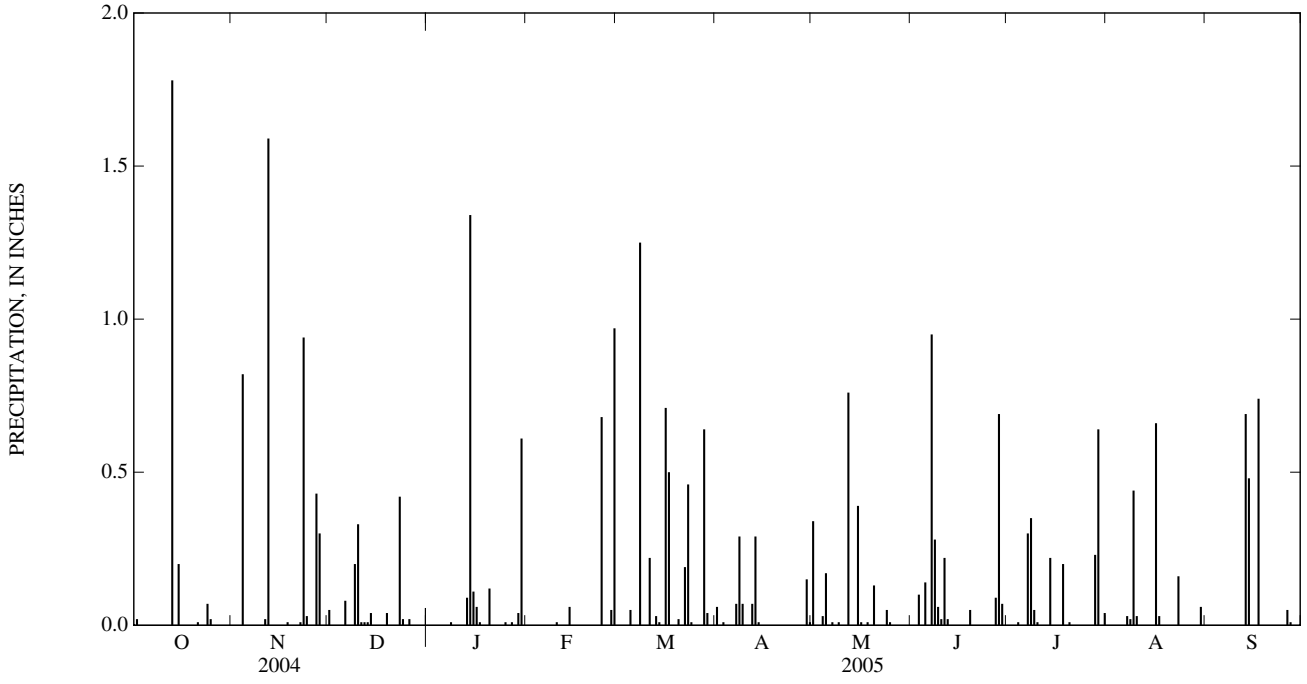
PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.05	0.00	0.00	0.00	0.06	0.34	0.00	0.00	0.00	---
2	0.02	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00	0.10	0.00	0.00	0.00
4	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.17	0.14	0.00	0.00	0.00
6	0.00	0.00	0.08	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.95	0.30	0.03	0.00
8	0.00	0.00	0.00	0.01	0.00	1.25	0.29	0.00	0.28	0.35	0.02	0.00
9	0.00	0.00	0.20	0.00	0.00	0.00	0.07	0.01	0.06	0.05	0.44	0.00
10	0.00	0.00	0.33	0.00	0.01	0.00	0.00	0.00	0.02	0.01	0.03	0.00
11	0.00	0.02	0.01	0.00	0.00	0.22	0.00	0.00	0.22	0.00	0.00	0.00
12	0.00	1.59	0.01	0.00	0.00	0.00	0.07	0.76	0.02	0.00	0.00	0.00
13	1.78	0.00	0.01	0.09	0.00	0.03	0.29	0.00	0.00	0.00	0.00	0.69
14	0.00	0.00	0.04	1.34	0.06	0.01	0.01	0.00	0.00	0.22	0.00	0.48
15	0.20	0.00	0.00	0.11	0.00	0.00	0.00	0.39	0.00	---	0.00	0.00
16	0.00	0.00	0.00	0.06	0.00	0.71	0.00	0.01	0.00	0.00	0.66	0.00
17	0.00	0.00	0.00	0.01	0.00	0.50	0.00	0.00	0.00	0.00	0.03	0.74
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.20	0.00	0.00
19	---	0.00	0.04	0.00	0.00	0.00	0.00	---	0.05	---	0.00	0.00
20	---	0.00	0.00	0.12	---	0.02	0.00	0.13	0.00	0.01	0.00	---
21	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
22	0.00	0.01	0.00	0.00	0.00	0.19	0.00	0.00	0.00	---	0.00	---
23	0.00	0.94	0.42	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.16	0.00
24	0.07	0.03	0.02	---	0.68	0.01	0.00	0.05	0.00	0.00	0.00	0.00
25	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
26	---	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
27	0.00	0.43	---	0.01	0.05	0.00	0.00	0.00	0.09	0.00	0.00	0.01
28	---	0.30	---	0.00	0.97	0.64	0.00	0.00	0.69	0.23	0.00	---
29	0.00	0.00	0.00	0.04	---	0.04	0.15	0.00	0.07	0.64	0.00	---
30	0.00	0.00	0.00	0.61	---	0.00	0.01	0.00	0.00	---	0.06	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.04	0.00	---
TOTAL	---	4.15	---	---	---	4.13	---	---	---	---	1.43	---



02082506 TAR RIVER BELOW TAR RIVER RESERVOIR NEAR ROCKY MOUNT, NC

LOCATION.--Lat 35°54'02", long 77°51'56", Nash County, Hydrologic Unit 03020101, near center of span on downstream side of bridge on Secondary Road 1544, 1.8 mi downstream of Tar River Reservoir, 2.8 mi downstream of Sapony Creek, 2.9 mi upstream from Grape Branch, and 5.0 mi southwest of Rocky Mount.

DRAINAGE AREA.--777 mi^2.

PERIOD OF RECORD.--August 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 84.85 ft above NAVD of 1988 (levels by North Carolina State Highway Commission). Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. The city of Rocky Mount diverted an average of 4.3 ft^3/s for municipal water supply, most of which was returned downstream of station as treated effluent. Minimum discharge for current water year due to regulation. Minimum discharge for period of record also occurred Oct. 29, 30, 1993. Maximum gage height for period of record from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	287	1,340	609	1,150	1,600	1,670	396	276	277	261	48
2	490	289	938	587	1,130	2,690	1,440	446	287	264	253	103
3	416	283	766	549	898	2,010	1,620	501	376	229	221	97
4	387	295	669	506	903	1,170	2,100	504	407	198	188	92
5	354	302	602	485	1,050	873	1,520	452	390	177	156	86
6	331	520	552	475	1,160	763	1,050	761	415	146	124	86
7	310	646	526	442	931	688	851	1,300	455	119	92	85
8	287	505	511	442	775	730	812	1,280	545	103	72	79
9	272	417	552	424	686	1,280	1,500	913	836	92	63	78
10	252	365	649	423	643	2,010	1,400	637	767	103	67	78
11	239	334	1,090	407	611	1,530	1,200	506	550	110	116	77
12	233	338	2,510	395	572	1,080	901	442	457	112	328	79
13	264	559	3,000	401	530	907	934	556	410	108	286	78
14	597	1,380	1,530	947	519	843	1,080	846	352	95	203	76
15	859	1,830	873	2,500	501	748	1,010	868	303	85	145	76
16	871	1,080	701	3,620	499	730	897	867	266	78	109	78
17	658	727	602	3,360	493	1,350	737	1,030	237	72	105	78
18	490	584	555	1,560	489	2,310	630	892	219	70	94	78
19	408	508	533	990	467	3,050	567	666	203	101	99	80
20	352	467	518	790	435	2,260	538	589	194	98	111	81
21	642	435	491	746	435	1,450	513	562	192	123	113	83
22	1,190	416	455	748	428	1,100	509	563	188	188	95	78
23	667	475	472	747	436	1,230	479	500	182	253	79	75
24	480	674	528	686	501	1,530	454	444	186	248	66	75
25	399	969	607	623	647	1,730	440	411	187	269	55	76
26	364	1,200	720	607	769	1,540	419	378	179	262	48	74
27	343	970	661	577	786	1,150	408	350	170	211	45	68
28	329	1,010	580	561	928	1,170	391	331	164	163	44	65
29	320	1,500	525	533	---	2,530	388	316	201	142	40	64
30	311	2,010	538	628	---	3,510	396	303	242	149	38	64
31	300	---	596	865	---	3,300	---	282	---	222	41	---
TOTAL	13,951	21,375	25,190	27,233	19,372	48,862	26,854	18,892	9,836	4,867	3,757	2,335
MEAN	450	712	813	878	692	1,576	895	609	328	157	121	77.8
MAX	1,190	2,010	3,000	3,620	1,160	3,510	2,100	1,300	836	277	328	103
MIN	233	283	455	395	428	688	388	282	164	70	38	48
CFSM	0.58	0.92	1.05	1.13	0.89	2.03	1.15	0.78	0.42	0.20	0.16	0.10
IN.	0.67	1.02	1.21	1.30	0.93	2.34	1.29	0.90	0.47	0.23	0.18	0.11

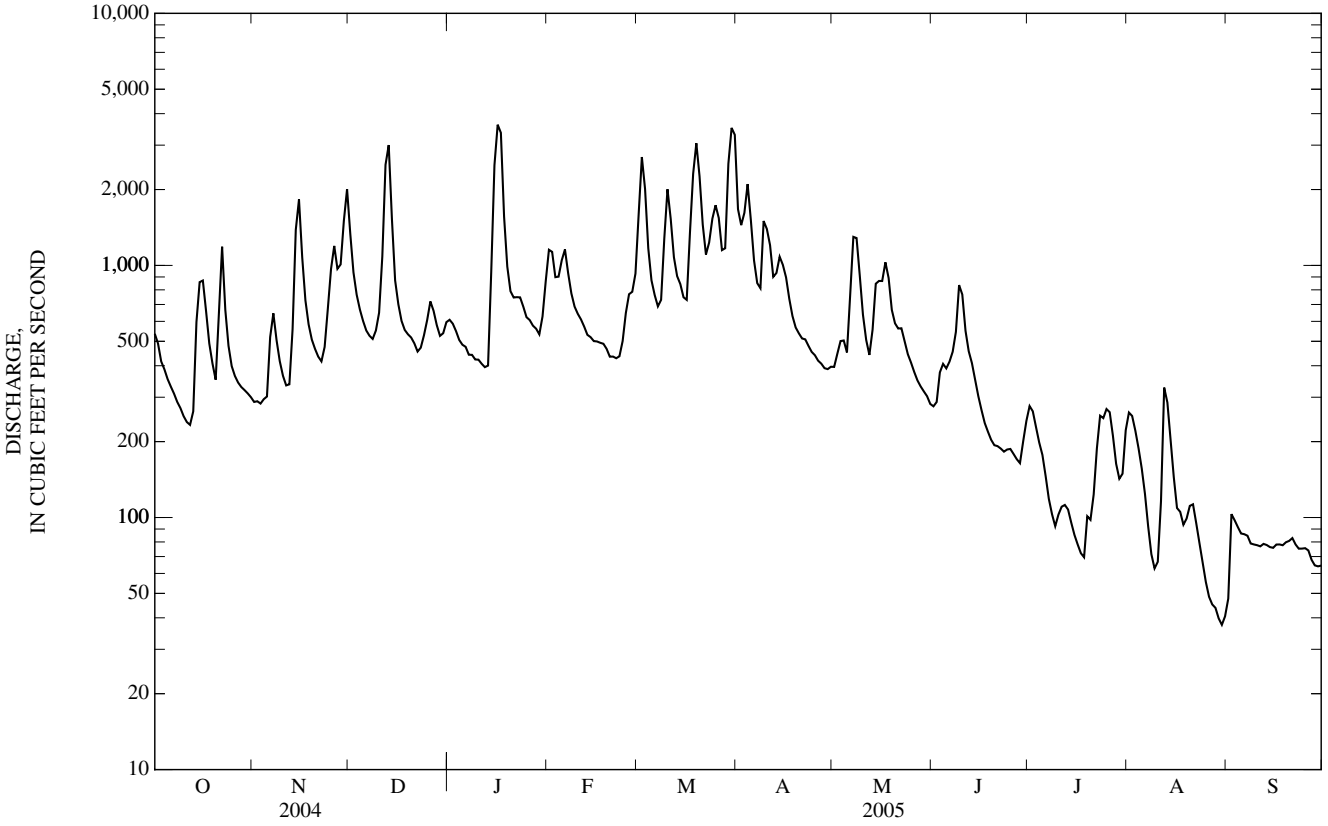
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	396	542	757	1,284	1,372	1,700	1,143	698	509	444	404	571
MAX	2,157	1,876	2,406	2,794	3,002	3,829	2,864	2,123	2,064	2,321	1,224	6,436
(WY)	(2000)	(1973)	(1973)	(1978)	(1998)	(1998)	(1987)	(1989)	(1982)	(1975)	(2004)	(1999)
MIN	60.2	66.2	109	186	456	358	284	128	72.7	53.9	77.9	75.4
(WY)	(1994)	(1981)	(1992)	(1981)	(1991)	(1981)	(1981)	(2002)	(2002)	(2002)	(1988)	(1993)

02082506 TAR RIVER BELOW TAR RIVER RESERVOIR NEAR ROCKY MOUNT, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1972 - 2005	
ANNUAL TOTAL	245,994		222,524			
ANNUAL MEAN	672		610		817	
HIGHEST ANNUAL MEAN					1,471	1973
LOWEST ANNUAL MEAN					211	1981
HIGHEST DAILY MEAN	5,030	Aug 17	3,620	Jan 16	25,000	Sep 17, 1999
LOWEST DAILY MEAN	115	Jun 23	38	Aug 30	29	Oct 28, 1993
ANNUAL SEVEN-DAY MINIMUM	132	Jun 19	43	Aug 26	36	Oct 27, 1993
MAXIMUM PEAK FLOW			3,760	Jan 16	29,300	Sep 16, 1999
MAXIMUM PEAK STAGE			11.53	Jan 16	32.89*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			30*	Sep 1	28*	Oct 28, 1993
ANNUAL RUNOFF (CFSM)	0.865		0.785		1.05	
ANNUAL RUNOFF (INCHES)	11.78		10.65		14.28	
10 PERCENT EXCEEDS	1,340		1,290		1,940	
50 PERCENT EXCEEDS	485		472		390	
90 PERCENT EXCEEDS	186		80		97	

* See REMARKS.



0208250885 TAR RIVER AT US HIGHWAY 301 BYPASS AT ROCKY MOUNT, NC

LOCATION.--Lat 35°55'34", long 77°49'50", Nash County, Hydrologic Unit 03020101, at bridge on US Highway 301 bypass, approximately 2 mi southwest of Rocky Mount.

DRAINAGE AREA.--787 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--May 2003 to current year.

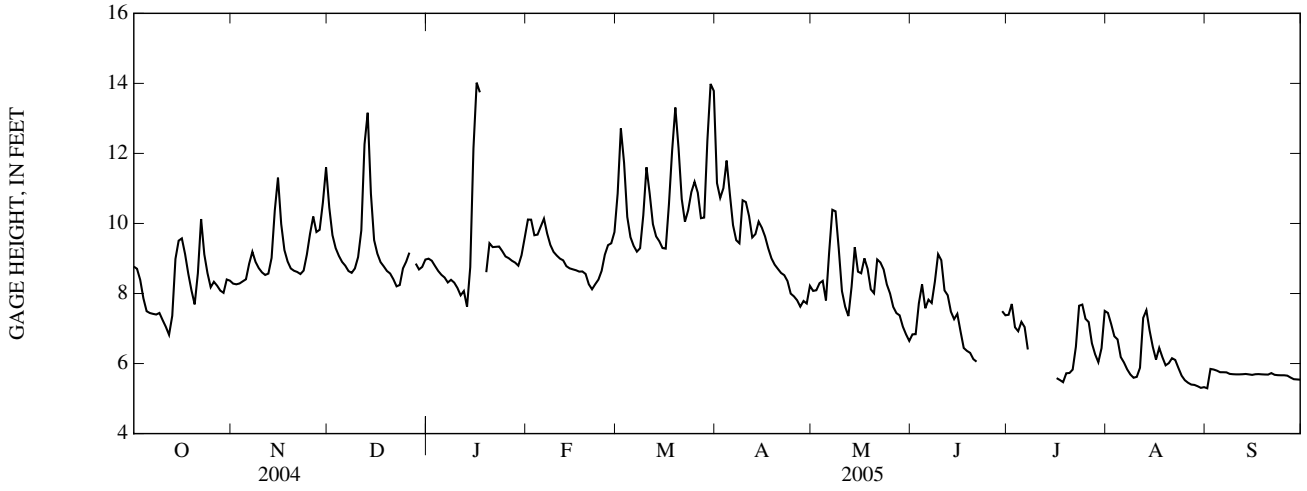
GAGE.--Water-stage recorder. Datum of gage is 75.00 ft above North American Vertical Datum of 1988. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.16 ft, Aug. 17, 2004; minimum gage height, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.26 ft, March 31; minimum gage height, not determined.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.77	8.28	10.46	9.00	10.11	10.86	11.15	8.07	6.83	7.39	7.45	5.29
2	8.71	8.26	9.67	8.94	10.11	12.71	10.73	8.09	6.84	7.70	7.13	5.85
3	8.39	8.29	9.30	8.79	9.66	11.74	11.01	8.29	7.72	7.04	6.78	5.83
4	7.86	8.35	9.07	8.64	9.68	10.19	11.79	8.36	8.26	6.92	6.69	5.80
5	7.49	8.41	8.90	8.53	9.91	9.61	10.85	7.80	7.58	7.19	6.19	5.75
6	7.44	8.85	8.79	8.46	10.14	9.36	9.95	9.18	7.82	7.04	6.03	5.75
7	7.42	9.19	8.64	8.32	9.71	9.20	9.52	10.39	7.73	6.40	5.83	5.75
8	7.40	8.90	8.59	8.39	9.39	9.29	9.43	10.35	8.34	---	5.69	5.70
9	7.44	8.73	8.72	8.31	9.19	10.23	10.66	9.27	9.12	---	5.59	5.70
10	7.24	8.60	9.04	8.16	9.08	11.60	10.61	8.07	8.95	---	5.62	5.69
11	7.05	8.53	9.80	7.95	9.00	10.84	10.21	7.62	8.09	---	5.88	5.69
12	6.82	8.57	12.26	8.07	8.95	9.98	9.60	7.36	7.95	---	7.30	5.70
13	7.36	9.02	13.16	7.62	8.78	9.63	9.70	8.20	7.48	---	7.52	5.70
14	8.99	10.37	10.85	8.75	8.72	9.49	10.05	9.32	7.27	---	6.95	5.69
15	9.51	11.31	9.52	12.14	8.69	9.30	9.88	8.62	7.42	---	6.48	5.68
16	9.57	9.98	9.14	14.02	8.66	9.28	9.63	8.58	6.92	5.58	6.11	5.69
17	9.13	9.24	8.90	13.74	8.63	10.55	9.29	9.00	6.44	5.53	6.45	5.70
18	8.57	8.91	8.78	---	8.63	12.08	9.00	8.70	6.36	5.47	6.18	5.69
19	8.09	8.71	8.64	8.61	8.56	13.31	8.82	8.12	6.30	5.72	5.95	5.69
20	7.69	8.65	8.57	9.43	8.26	12.15	8.70	8.01	6.13	5.73	6.01	5.68
21	8.58	8.61	8.41	9.33	8.12	10.70	8.59	8.97	6.05	5.83	6.15	5.73
22	10.13	8.56	8.20	9.33	8.27	10.05	8.52	8.89	---	6.48	6.10	5.68
23	9.12	8.66	8.24	9.34	8.40	10.37	8.35	8.69	---	7.65	5.87	5.67
24	8.58	9.11	8.72	9.21	8.65	10.90	8.00	8.26	---	7.68	5.65	5.67
25	8.18	9.71	8.91	9.06	9.11	11.19	7.92	8.00	---	7.28	5.52	5.66
26	8.34	10.20	9.17	9.01	9.38	10.88	7.81	7.62	---	7.18	5.45	5.65
27	8.22	9.76	---	8.94	9.43	10.15	7.62	7.44	---	6.58	5.40	5.60
28	8.08	9.82	8.85	8.88	9.76	10.17	7.79	7.38	---	6.26	5.39	5.55
29	8.02	10.59	8.69	8.79	---	12.36	7.71	7.05	7.49	6.04	5.35	5.55
30	8.40	11.60	8.76	9.09	---	13.98	8.22	6.83	7.38	6.44	5.31	5.54
31	8.37	---	8.97	9.60	---	13.79	---	6.65	---	7.50	5.33	---
MEAN	8.22	9.19	---	---	9.11	10.84	9.37	8.30	---	---	6.11	5.68
MAX	10.13	11.60	---	---	10.14	13.98	11.79	10.39	---	---	7.52	5.85
MIN	6.82	8.26	---	---	8.12	9.20	7.62	6.65	---	---	5.31	5.29



0208250885 TAR RIVER AT US HIGHWAY 301 BYPASS AT ROCKY MOUNT, NC—Continued

PRECIPITATION RECORDS

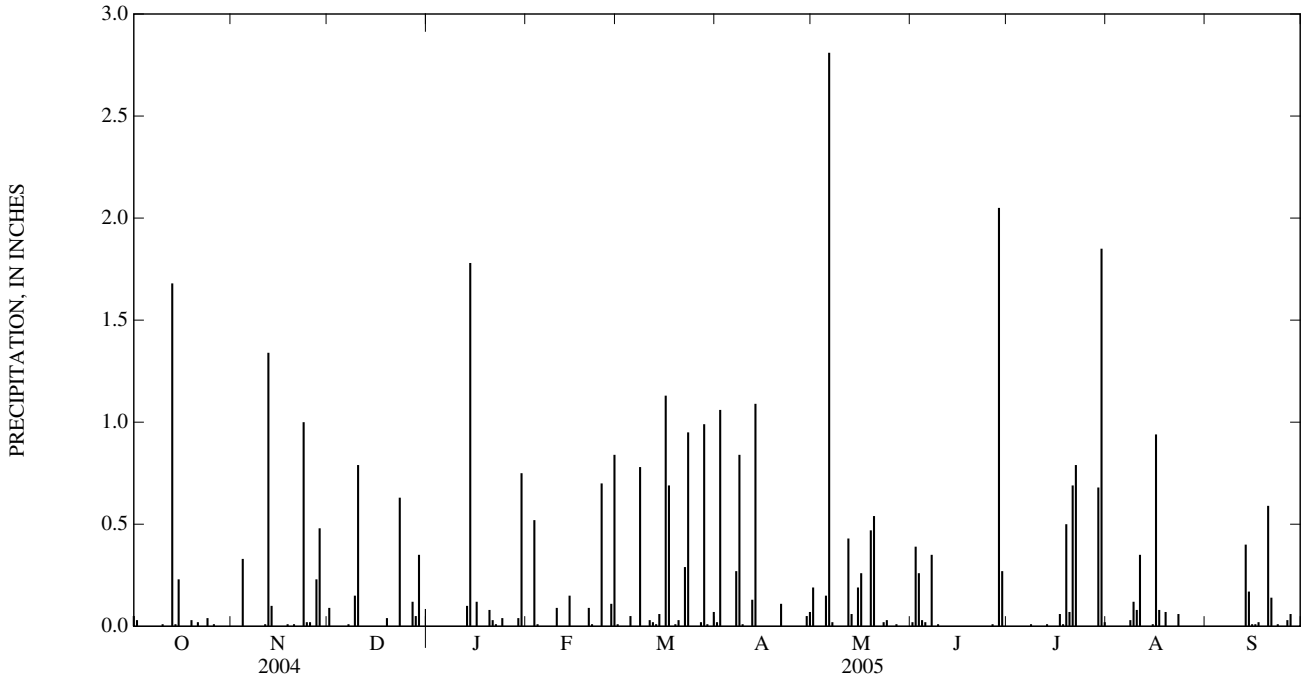
PERIOD OF RECORD.--September 2003 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.00	0.09	0.00	0.00	0.01	0.02	0.19	0.02	0.00	0.00	0.00
2	0.03	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.39	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.26	0.00	0.00	0.00
4	0.00	0.33	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.15	0.02	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.81	0.00	0.00	0.00	0.00
7	0.00	0.00	0.01	0.00	0.00	0.00	0.27	0.02	0.35	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.78	0.84	0.00	0.00	0.01	0.03	0.00
9	0.00	0.00	0.15	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.12	0.00
10	0.01	0.00	0.79	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.08	0.00
11	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.35	0.00
12	0.00	1.34	0.00	0.00	0.00	0.02	0.13	0.43	0.00	0.00	0.00	0.00
13	1.68	0.10	0.00	0.10	0.00	0.01	1.09	0.06	0.00	0.01	0.00	0.40
14	0.01	0.00	0.00	1.78	0.15	0.06	0.00	0.00	0.00	---	0.00	0.17
15	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	---	0.01	0.01
16	0.00	0.00	0.00	0.12	0.00	1.13	0.00	0.26	0.00	0.00	0.94	0.01
17	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.06	0.08	0.02
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
19	0.03	0.00	0.04	0.00	0.00	0.01	0.00	0.47	0.00	0.50	0.07	0.00
20	0.00	0.01	0.00	0.08	0.09	0.03	0.00	0.54	0.00	0.07	0.00	0.59
21	0.02	0.00	0.00	0.03	0.01	0.00	0.11	0.00	0.00	0.69	0.00	0.14
22	0.00	0.00	0.00	0.01	0.00	0.29	0.00	0.00	0.00	0.79	0.00	0.00
23	0.00	1.00	0.63	0.00	0.00	0.95	0.00	0.02	0.00	0.00	0.06	0.01
24	0.04	0.02	0.00	0.04	0.70	0.00	0.00	0.03	0.00	0.00	0.00	0.00
25	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.03
27	0.00	0.23	0.12	0.00	0.11	0.02	0.00	0.01	0.00	0.00	0.00	0.06
28	0.00	0.48	0.05	0.00	0.84	0.99	0.00	0.00	2.05	0.00	0.00	0.00
29	0.00	0.00	0.35	0.04	---	0.01	0.05	0.00	0.27	0.68	0.00	0.00
30	0.00	0.00	0.00	0.75	---	0.00	0.07	0.00	0.00	1.85	0.00	0.00
31	0.00	---	0.00	0.00	---	0.07	---	0.00	---	0.02	0.00	---
TOTAL	2.11	3.55	2.23	2.95	2.52	5.15	3.65	5.18	3.41	---	1.74	1.44



02082576 STONY CREEK AT WINSTEAD AVENUE AT ROCKY MOUNT, NC

LOCATION.--Lat 35°58'06", long 77°50'59", Nash County, Hydrologic Unit 03020101, at bridge on Winstead Avenue, 2.2 mi above mouth and 3.3 mi northwest of Rocky Mount.

DRAINAGE AREA.--112 mi^2.

PERIOD OF RECORD.--July 2003 to current year.

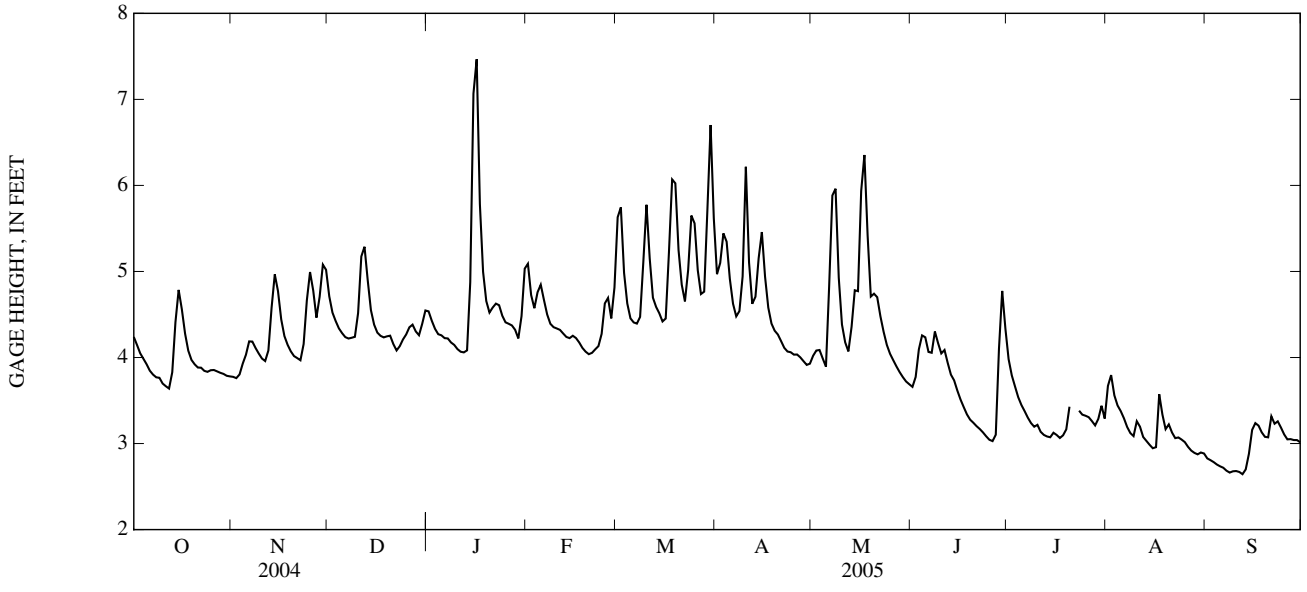
GAGE.--Water-stage recorder. Datum of gage is 90.00 ft, above North American Vertical Datum of 1988. Satellite telemetry at station.

EXTEMES FOR PERIOD OF RECORD.--Maximum gage height, 9.66 ft, Sept. 1, 2004; minimum gage height, 2.59 ft, Sept. 13, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.88 ft, Jan. 16; minimum gage height, 2.59 ft, Sept. 13.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.24	3.78	4.71	4.54	5.09	5.63	4.97	4.02	3.66	3.98	3.67	2.83
2	4.15	3.76	4.52	4.43	4.73	5.74	5.10	4.08	3.77	3.79	3.80	2.81
3	4.05	3.80	4.42	4.33	4.57	4.98	5.44	4.09	4.09	3.66	3.56	2.78
4	3.99	3.93	4.34	4.27	4.76	4.63	5.35	3.99	4.26	3.54	3.44	2.76
5	3.92	4.03	4.28	4.26	4.85	4.45	4.91	3.89	4.23	3.45	3.38	2.74
6	3.85	4.19	4.24	4.22	4.67	4.41	4.63	4.83	4.06	3.38	3.29	2.72
7	3.80	4.18	4.22	4.22	4.50	4.39	4.48	5.88	4.05	3.30	3.19	2.68
8	3.77	4.11	4.23	4.17	4.39	4.47	4.54	5.96	4.30	3.24	3.12	2.66
9	3.76	4.05	4.24	4.15	4.35	5.10	4.94	4.93	4.17	3.20	3.09	2.68
10	3.70	3.99	4.52	4.10	4.34	5.77	6.22	4.38	4.05	3.22	3.26	2.68
11	3.67	3.96	5.17	4.07	4.32	5.15	5.10	4.18	4.09	3.14	3.20	2.67
12	3.64	4.08	5.29	4.06	4.28	4.70	4.62	4.07	3.94	3.10	3.08	2.64
13	3.83	4.58	4.90	4.08	4.24	4.59	4.71	4.36	3.80	3.08	3.03	2.70
14	4.41	4.97	4.55	4.88	4.23	4.51	5.15	4.78	3.73	3.07	2.99	2.88
15	4.79	4.77	4.38	7.07	4.25	4.42	5.46	4.77	3.62	3.13	2.95	3.16
16	4.56	4.44	4.29	7.47	4.23	4.45	4.94	5.94	3.51	3.10	2.96	3.24
17	4.28	4.25	4.25	5.78	4.17	5.22	4.58	6.35	3.42	3.06	3.57	3.21
18	4.08	4.15	4.23	5.00	4.11	6.07	4.39	5.42	3.34	3.10	3.34	3.13
19	3.97	4.07	4.25	4.66	4.07	6.02	4.31	4.71	3.28	3.17	3.17	3.08
20	3.92	4.02	4.25	4.52	4.04	5.25	4.27	4.74	3.24	3.43	3.22	3.07
21	3.88	3.99	4.16	4.58	4.05	4.85	4.19	4.70	3.20	---	3.13	3.32
22	3.88	3.97	4.08	4.63	4.09	4.65	4.11	4.48	3.17	---	3.06	3.23
23	3.85	4.16	4.13	4.61	4.13	5.02	4.07	4.30	3.13	3.38	3.07	3.26
24	3.83	4.66	4.21	4.49	4.27	5.65	4.06	4.15	3.08	3.34	3.05	3.19
25	3.85	4.99	4.27	4.41	4.63	5.56	4.03	4.04	3.04	3.32	3.02	3.11
26	3.85	4.78	4.35	4.39	4.69	5.01	4.03	3.97	3.03	3.31	2.96	3.05
27	3.84	4.46	4.38	4.37	4.45	4.74	4.00	3.90	3.10	3.26	2.92	3.05
28	3.82	4.71	4.30	4.32	4.81	4.77	3.96	3.83	4.10	3.21	2.89	3.04
29	3.81	5.08	4.26	4.22	---	5.71	3.91	3.77	4.77	3.29	2.87	3.04
30	3.79	5.02	4.39	4.48	---	6.70	3.93	3.72	4.34	3.44	2.90	3.01
31	3.78	---	4.55	5.03	---	5.62	---	3.69	---	3.29	2.88	---
MEAN	3.95	4.30	4.40	4.64	4.40	5.10	4.61	4.51	3.72	---	3.16	2.95
MAX	4.79	5.08	5.29	7.47	5.09	6.70	6.22	6.35	4.77	---	3.80	3.32
MIN	3.64	3.76	4.08	4.06	4.04	4.39	3.91	3.69	3.03	---	2.87	2.64



02082585 TAR RIVER AT NC 97 AT ROCKY MOUNT, NC

LOCATION.--Lat 35°57'17", long 77°47'14", Edgecombe County, Hydrologic Unit 03020101, on left bank 20 ft downstream of bridge on State Highway 97, 0.5 mi upstream from Cowlick Branch, and 1.0 mi north-northeast of Rocky Mount.

DRAINAGE AREA.--925 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1976 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 52.81 ft above NGVD of 1929. City of Rocky Mount telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Prior to October 1996, some regulation at low flow caused by mill above station. The city of Rocky Mount diverted an average of 18.5 ft^3/s for municipal water supply, most of which was returned downstream of station as treated effluent. Minimum discharge for current water year and period of record, result of regulation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	620	261	1,500	805	1,360	1,730	1,970	483	212	281	289	33
2	599	250	1,110	753	1,330	2,780	1,770	502	312	278	256	58
3	515	248	915	688	1,130	2,260	1,880	523	534	233	178	68
4	477	270	790	630	1,140	1,360	2,220	578	591	156	175	67
5	428	283	704	592	1,230	1,080	1,740	531	512	136	136	64
6	334	500	639	572	1,330	945	1,260	1,110	484	135	109	60
7	341	736	603	537	1,130	849	1,060	1,690	506	123	106	60
8	251	555	584	518	964	942	1,040	1,690	631	105	77	57
9	299	436	622	512	844	1,360	1,560	1,320	919	92	68	56
10	247	362	815	507	790	2,140	1,790	827	947	86	73	58
11	241	315	1,180	478	742	1,770	1,460	618	664	82	72	60
12	215	376	2,380	449	705	1,270	1,110	521	545	88	212	58
13	251	707	2,990	560	649	1,100	1,190	499	491	87	280	66
14	712	1,390	1,750	1,150	620	1,020	1,380	1,110	338	89	178	62
15	1,050	1,910	1,030	2,710	615	906	1,330	1,130	300	75	127	62
16	1,080	1,250	821	4,330	601	926	1,170	1,330	268	65	111	65
17	829	872	700	3,970	586	1,650	960	1,540	210	60	110	67
18	589	669	645	1,950	571	2,450	786	1,280	155	64	98	67
19	507	580	612	1,190	553	3,300	693	950	154	67	90	63
20	334	525	593	1,030	528	2,570	644	667	139	95	79	67
21	525	484	563	971	500	1,630	606	e750	125	94	81	90
22	1,250	454	528	983	494	1,300	582	e800	116	114	79	66
23	786	579	525	986	511	1,570	564	e610	113	247	78	65
24	547	831	611	890	622	1,850	539	532	111	215	75	68
25	408	1,140	695	799	822	1,960	474	484	108	204	70	67
26	365	1,320	842	767	983	1,750	488	436	106	267	46	63
27	336	1,140	814	731	982	1,360	471	342	99	168	41	62
28	330	1,200	709	702	1,210	1,400	396	347	162	132	38	57
29	266	1,520	651	666	---	2,480	413	325	401	128	36	55
30	292	2,060	694	866	---	3,850	406	296	316	112	34	56
31	281	---	798	1,120	---	3,770	---	248	---	136	33	---
TOTAL	15,305	23,223	28,413	33,412	23,542	55,328	31,952	24,069	10,569	4,214	3,435	1,867
MEAN	494	774	917	1,078	841	1,785	1,065	776	352	136	111	62.2
MAX	1,250	2,060	2,990	4,330	1,360	3,850	2,220	1,690	947	281	289	90
MIN	215	248	525	449	494	849	396	248	99	60	33	33

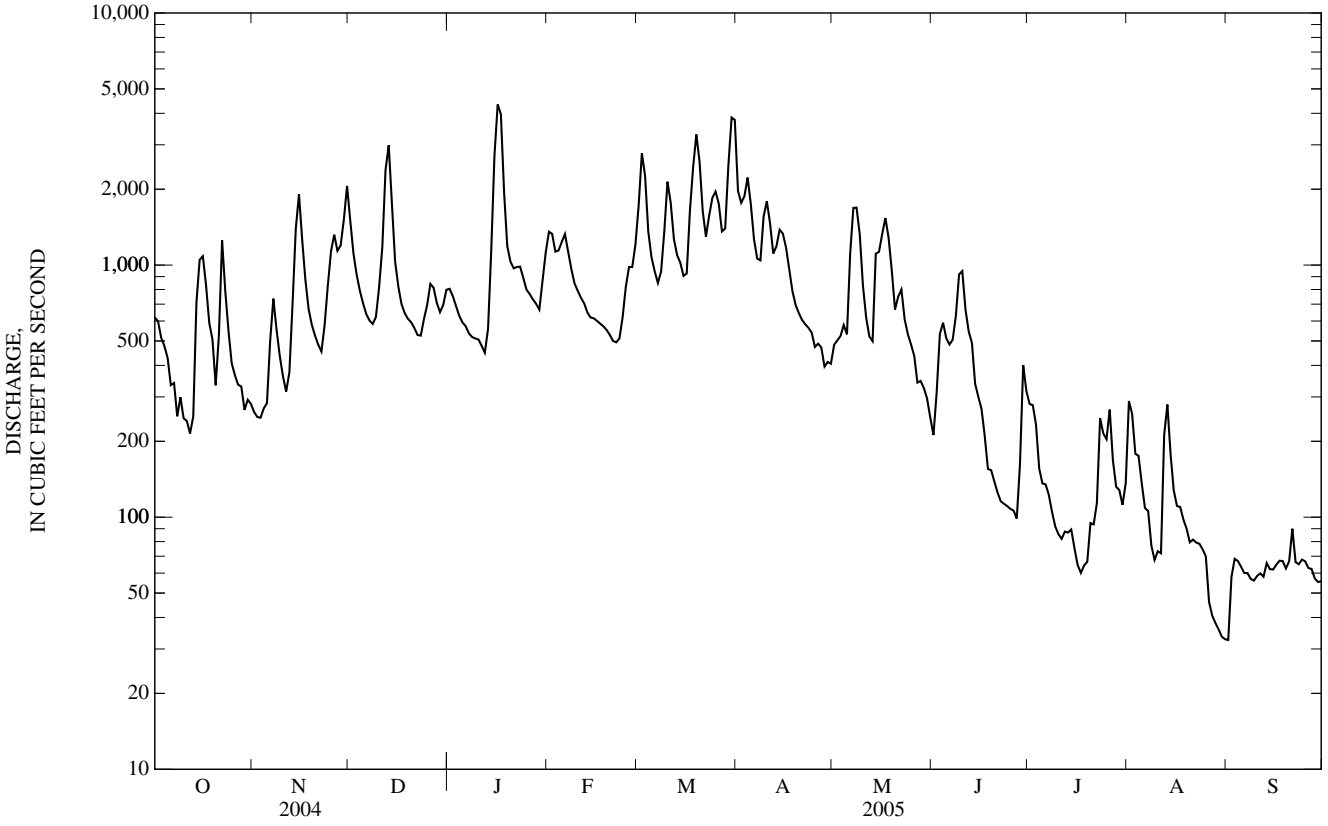
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	489	609	832	1,480	1,583	2,046	1,360	829	597	407	463	723
MAX	2,918	1,905	2,318	3,230	3,920	4,507	3,447	2,725	2,238	1,368	1,482	8,135
(WY)	(2000)	(1980)	(2003)	(1978)	(1998)	(1998)	(1987)	(1989)	(1982)	(2000)	(2004)	(1999)
MIN	70.4	74.5	125	254	546	477	332	148	67.3	54.1	79.7	62.2
(WY)	(1981)	(1981)	(1992)	(1981)	(1977)	(1981)	(1995)	(2002)	(2002)	(1986)	(1987)	(2005)

02082585 TAR RIVER AT NC 97 AT ROCKY MOUNT, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	302,285		255,329			
ANNUAL MEAN	826		700		964	
HIGHEST ANNUAL MEAN					1,764	2003
LOWEST ANNUAL MEAN					262	1981
HIGHEST DAILY MEAN	6,120	Aug 17	4,330	Jan 16	31,500	Sep 17, 1999
LOWEST DAILY MEAN	101	Jun 19	33	Aug 31	6.6	Oct 3, 1983
ANNUAL SEVEN-DAY MINIMUM	124	Jun 17	37	Aug 26	31	Oct 18, 1993
MAXIMUM PEAK FLOW			4,560	Jan 16	34,100	Sep 17, 1999
MAXIMUM PEAK STAGE			13.60	Jan 16	31.66	Sep 17, 1999
INSTANTANEOUS LOW FLOW			24	Sep 1	5.7*	Sep 23, 1988
10 PERCENT EXCEEDS	1,510		1,530		2,260	
50 PERCENT EXCEEDS	622		539		483	
90 PERCENT EXCEEDS	211		67		98	

* See REMARKS.
e Estimated.



02082585 TAR RIVER AT NC 97 AT ROCKY MOUNT, NC—Continued

PRECIPITATION RECORDS

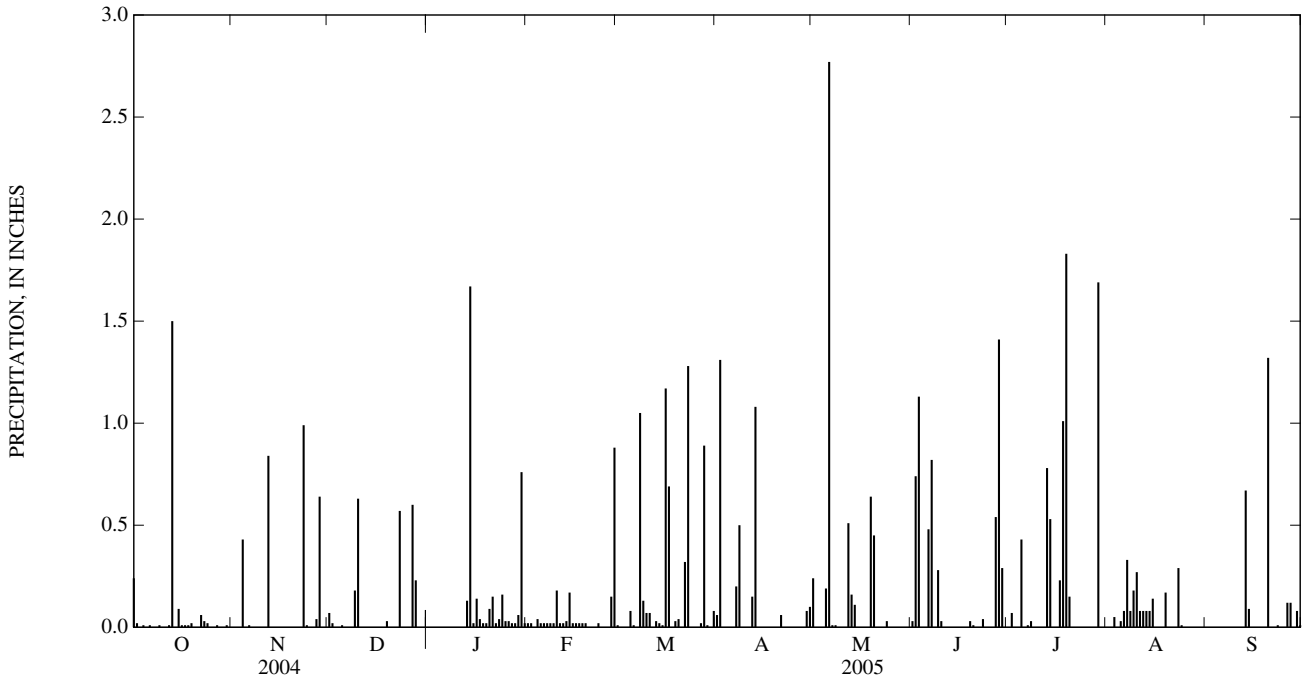
PERIOD OF RECORD.--November 2003 to September 2004.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.00	0.07	0.00	0.02	0.01	0.06	0.24	0.03	0.00	---	0.00
2	0.02	0.00	0.02	0.00	0.02	0.00	1.31	0.00	0.74	0.07	---	0.00
3	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	1.13	0.00	0.05	0.00
4	0.01	0.43	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.01	0.00	0.02	0.08	0.00	0.19	0.00	0.43	0.03	0.00
6	0.01	0.01	0.00	0.00	0.02	0.01	0.00	2.77	0.48	0.00	0.08	0.00
7	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.01	0.82	0.01	0.33	0.00
8	0.00	0.00	0.00	0.00	0.02	1.05	0.50	0.01	0.00	0.03	0.08	0.00
9	0.01	0.00	0.18	0.00	0.02	0.13	0.00	0.00	0.28	0.00	0.18	0.00
10	0.00	0.00	0.63	0.00	0.18	0.07	0.00	0.00	0.03	0.00	0.27	0.00
11	0.00	0.00	0.00	0.00	0.02	0.07	0.00	0.00	0.00	0.00	0.08	0.00
12	0.01	0.84	0.00	0.00	0.02	0.00	0.15	0.51	0.00	0.00	0.08	0.00
13	1.50	---	0.00	0.13	0.03	0.03	1.08	0.16	0.00	0.78	0.08	0.67
14	0.00	0.00	0.00	1.67	0.17	0.02	0.00	0.11	0.00	0.53	0.08	0.09
15	0.09	0.00	0.00	0.02	0.02	0.01	0.00	---	0.00	0.00	0.14	0.00
16	0.01	0.00	0.00	0.14	0.02	1.17	0.00	---	0.00	0.00	---	0.00
17	0.01	0.00	0.00	0.04	0.02	0.69	0.00	---	0.00	0.23	---	0.00
18	0.01	0.00	0.00	0.02	0.02	0.00	0.00	---	0.00	1.01	0.00	0.00
19	0.02	0.00	0.03	0.02	0.02	0.03	0.00	0.64	0.03	1.83	0.17	0.00
20	0.00	0.00	0.00	0.09	---	0.04	0.00	0.45	0.01	0.15	0.00	1.32
21	0.00	0.00	0.00	0.15	---	0.00	0.06	---	0.00	---	0.00	---
22	0.06	0.00	0.00	0.02	---	0.32	0.00	---	0.00	---	0.00	---
23	0.03	0.99	0.57	0.04	0.02	1.28	0.00	---	0.04	---	0.29	0.01
24	0.02	0.01	0.00	0.16	---	0.00	0.00	0.03	0.00	---	0.01	0.00
25	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
26	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	---	0.00	0.12
27	0.01	0.04	0.60	0.02	0.15	0.02	0.00	0.00	0.54	---	0.00	0.12
28	0.00	0.64	0.23	0.02	0.88	0.89	0.00	0.00	1.41	---	0.00	0.00
29	0.00	0.00	0.00	0.06	---	0.01	0.08	0.00	0.29	1.69	0.00	0.08
30	0.01	0.00	0.00	0.76	---	0.00	0.10	0.00	0.00	---	0.00	0.01
31	0.00	---	0.00	0.02	---	0.08	---	0.00	---	---	0.00	---
TOTAL	2.07	---	2.34	3.44	---	6.01	3.54	---	5.83	---	---	---



02082770 SWIFT CREEK AT HILLIARDSTON, NC

LOCATION.--Lat 36°06'44", long 77°55'12", Nash County, Hydrologic Unit 03020101, near left bank at downstream side of bridge on Secondary Road 1310, 0.7 mi northeast of Hilliardston, and 2.8 mi downstream of Gideon Swamp.

DRAINAGE AREA.--166 mi^2.

PERIOD OF RECORD.--July 1963 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 129.41 ft above NAVD of 1988. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge for period of record, on basis of slope-conveyance of peak flow; maximum gage height for period of record, 21.30 ft, from flood marks. Minimum discharge for current water year also occurred Sept. 8, 9, 10, 30.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1924 reached a stage of 14.5 ft, from information by North Carolina State Highway Commission, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	90	291	126	232	455	308	103	73	93	76	20
2	134	88	218	114	214	344	305	113	75	69	64	18
3	112	85	183	109	183	292	350	108	91	60	66	17
4	99	107	162	105	228	208	269	103	104	53	62	15
5	93	188	143	102	217	176	229	94	110	47	50	15
6	86	173	130	100	201	161	193	227	107	43	42	14
7	e78	187	127	95	180	147	173	360	98	39	36	13
8	e69	156	134	93	154	375	178	223	144	39	e36	12
9	e62	119	135	86	136	630	240	176	286	46	e44	12
10	e59	102	279	90	144	396	226	135	196	47	36	13
11	e58	93	374	86	131	312	177	110	130	38	33	e13
12	e56	100	324	86	118	252	158	98	95	33	e34	15
13	95	367	316	83	108	220	193	169	78	32	35	16
14	261	441	220	538	105	192	264	465	69	32	37	19
15	309	316	174	787	106	177	193	415	62	33	33	19
16	235	247	148	458	107	168	159	327	57	37	29	20
17	192	182	135	360	112	427	143	249	53	49	35	22
18	136	152	128	228	107	544	128	163	47	55	56	22
19	105	131	123	178	96	425	119	146	45	47	44	21
20	94	117	120	162	89	351	113	151	43	73	e50	20
21	92	107	111	170	90	260	110	211	41	63	49	22
22	239	98	103	174	97	212	104	299	39	56	e39	29
23	299	122	112	169	97	239	104	175	e38	96	33	30
24	175	285	167	146	119	304	107	126	40	e95	29	22
25	134	284	177	133	197	261	98	106	41	80	28	18
26	117	235	158	146	171	251	93	98	40	84	27	16
27	105	192	143	138	147	217	91	93	41	62	25	16
28	98	284	121	121	320	431	89	88	65	47	24	15
29	94	381	111	109	---	862	87	83	451	87	23	15
30	91	315	130	205	---	619	90	80	172	283	22	13
31	90	---	142	284	---	476	---	76	---	142	21	---
TOTAL	4,025	5,744	5,339	5,781	4,206	10,384	5,091	5,370	2,931	2,060	1,218	532
MEAN	130	191	172	186	150	335	170	173	97.7	66.5	39.3	17.7
MAX	309	441	374	787	320	862	350	465	451	283	76	30
MIN	56	85	103	83	89	147	87	76	38	32	21	12
CFSM	0.78	1.15	1.04	1.12	0.90	2.02	1.02	1.04	0.59	0.40	0.24	0.11
IN.	0.90	1.29	1.20	1.30	0.94	2.33	1.14	1.20	0.66	0.46	0.27	0.12

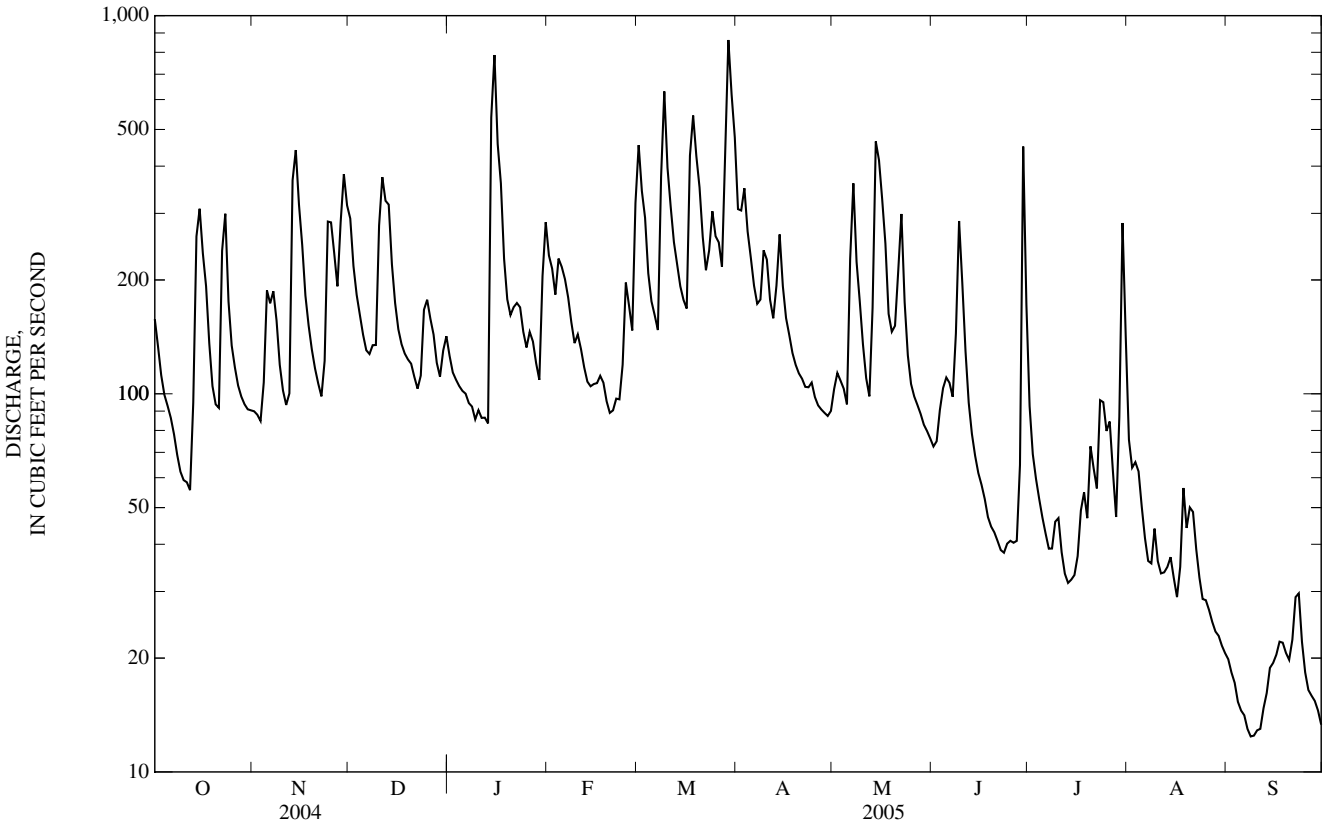
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	94.5	117	156	237	278	305	224	149	122	101	97.7	138
MAX	420	436	401	500	605	718	774	466	468	488	326	2,180
(WY)	(1972)	(1986)	(2003)	(1987)	(1998)	(1998)	(1987)	(1984)	(1979)	(2000)	(1986)	(1999)
MIN	9.65	27.8	37.3	59.5	92.6	77.6	72.9	46.2	6.98	12.0	10.2	4.90
(WY)	(1971)	(1982)	(1966)	(1981)	(1968)	(1988)	(1981)	(2002)	(2002)	(2002)	(1993)	(1968)

02082770 SWIFT CREEK AT HILLIARDSTON, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	62,508		52,681			
ANNUAL MEAN	171		144		168	
HIGHEST ANNUAL MEAN					308	2003
LOWEST ANNUAL MEAN					51.0	1981
HIGHEST DAILY MEAN	1,360	Sep 2	862	Mar 29	22,000	Sep 17, 1999
LOWEST DAILY MEAN	32	Jun 24	12	Sep 8	0.60	Sep 25, 1968
ANNUAL SEVEN-DAY MINIMUM	40	Jun 20	13	Sep 5	1.1	Sep 21, 1968
MAXIMUM PEAK FLOW			991	Jan 14	23,000*	Sep 17, 1999
MAXIMUM PEAK STAGE			8.54	Jan 14	21.30*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			12*	Sep 7	0.60	Sep 25, 1968
ANNUAL RUNOFF (CFSM)	1.03		0.869		1.01	
ANNUAL RUNOFF (INCHES)	14.01		11.81		13.72	
10 PERCENT EXCEEDS	312		304		350	
50 PERCENT EXCEEDS	126		109		94	
90 PERCENT EXCEEDS	57		29		24	

* See REMARKS.
e Estimated.



0208281175 SWIFT CREEK AT NC 97 NEAR LEGGETT, NC

LOCATION.--Lat 35°58'49", long 77°35'40", Edgecombe County, Hydrologic Unit 03020101, at bridge on NC 97, approximately 1 mi west of Highway 42 and approximately 0.5 mi north of U.S. Highway 64.

DRAINAGE AREA.--263 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--January 2003 to current year.

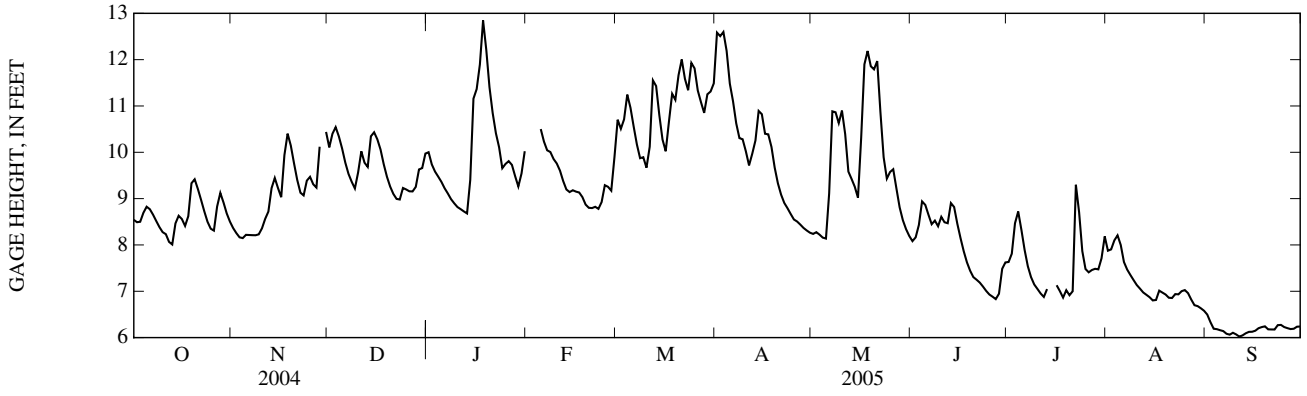
GAGE.--Water-stage recorder. Datum of gage is 35.00 ft above North American Vertical Datum of 1988. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.49 ft, Apr. 11, 12, 2003; minimum gage height, 6.00 ft, Sept. 11, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.94 ft, Jan. 18; minimum gage height, 6.00, Sept. 11.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.54	8.36	10.11	10.00	---	10.70	12.58	8.24	8.08	7.63	7.88	6.50
2	8.49	8.26	10.40	9.74	---	10.51	12.51	8.28	8.16	7.81	7.90	6.33
3	8.50	8.16	10.54	9.58	---	10.71	12.60	8.22	8.43	8.47	8.10	6.19
4	8.69	8.15	10.34	9.47	---	11.24	12.19	8.16	8.94	8.72	8.21	6.18
5	8.83	8.22	10.08	9.36	10.50	10.96	11.48	8.14	8.86	8.32	8.00	6.16
6	8.77	8.21	9.78	9.22	10.23	10.55	11.10	9.11	8.65	7.89	7.63	6.14
7	8.65	8.21	9.53	9.11	10.04	10.17	10.62	10.88	8.45	7.54	7.47	6.08
8	8.52	8.21	9.36	8.99	10.01	9.87	10.31	10.86	8.53	7.31	7.35	6.06
9	8.39	8.23	9.22	8.90	9.85	9.89	10.28	10.63	8.40	7.15	7.24	6.10
10	8.28	8.36	9.56	8.82	9.76	9.67	10.02	10.90	8.61	7.05	7.13	6.07
11	8.23	8.56	10.02	8.77	9.60	10.12	9.72	10.39	8.49	6.95	7.06	6.02
12	8.07	8.72	9.78	8.72	9.38	11.55	9.97	9.58	8.47	6.88	6.98	6.05
13	8.01	9.23	9.68	8.68	9.20	11.43	10.26	9.42	8.90	7.05	6.92	6.09
14	8.46	9.45	10.35	9.40	9.14	10.80	10.89	9.26	8.82	---	6.87	6.12
15	8.63	9.23	10.43	11.16	9.18	10.28	10.82	9.02	8.46	---	6.80	6.13
16	8.56	9.03	10.28	11.37	9.15	10.02	10.40	10.32	8.15	7.13	6.81	6.15
17	8.41	9.94	10.06	11.90	9.13	10.66	10.39	11.90	7.86	7.00	7.01	6.20
18	8.62	10.40	9.74	12.85	9.03	11.26	10.11	12.19	7.62	6.86	6.97	6.23
19	9.33	10.14	9.47	12.21	8.87	11.13	9.67	11.86	7.44	7.02	6.93	6.24
20	9.42	9.76	9.26	11.41	8.80	11.67	9.33	11.79	7.31	6.91	6.86	6.18
21	9.21	9.41	9.10	10.85	8.80	12.00	9.09	11.97	7.25	7.00	6.85	6.18
22	8.97	9.13	8.99	10.41	8.82	11.58	8.91	10.87	7.19	9.30	6.94	6.17
23	8.73	9.07	8.98	10.11	8.78	11.34	8.79	9.89	7.10	8.70	6.93	6.27
24	8.50	9.39	9.23	9.66	8.93	11.93	8.67	9.43	7.01	7.87	7.00	6.27
25	8.35	9.47	9.20	9.75	9.29	11.81	8.55	9.57	6.93	7.48	7.03	6.23
26	8.31	9.31	9.16	9.81	9.25	11.33	8.51	9.63	6.88	7.41	6.96	6.20
27	8.83	9.24	9.15	9.73	9.17	11.08	8.44	9.22	6.83	7.46	6.82	6.18
28	9.12	10.12	9.25	9.49	9.90	10.85	8.37	8.81	6.95	7.49	6.70	6.19
29	8.92	---	9.63	9.26	---	11.25	8.31	8.53	7.49	7.47	6.68	6.24
30	8.68	10.44	9.66	9.54	---	11.31	8.26	8.34	7.62	7.71	6.63	6.24
31	8.50	---	9.97	10.02	---	11.49	---	8.19	---	8.18	6.58	---
MEAN	8.63	---	9.69	9.94	---	10.94	10.04	9.79	7.93	---	7.14	6.18
MAX	9.42	---	10.54	12.85	---	12.00	12.60	12.19	8.94	---	8.21	6.50
MIN	8.01	---	8.98	8.68	---	9.67	8.26	8.14	6.83	---	6.58	6.02



0208281175 SWIFT CREEK AT NC 97 NEAR LEGGETT, NC—Continued

PRECIPITATION RECORDS

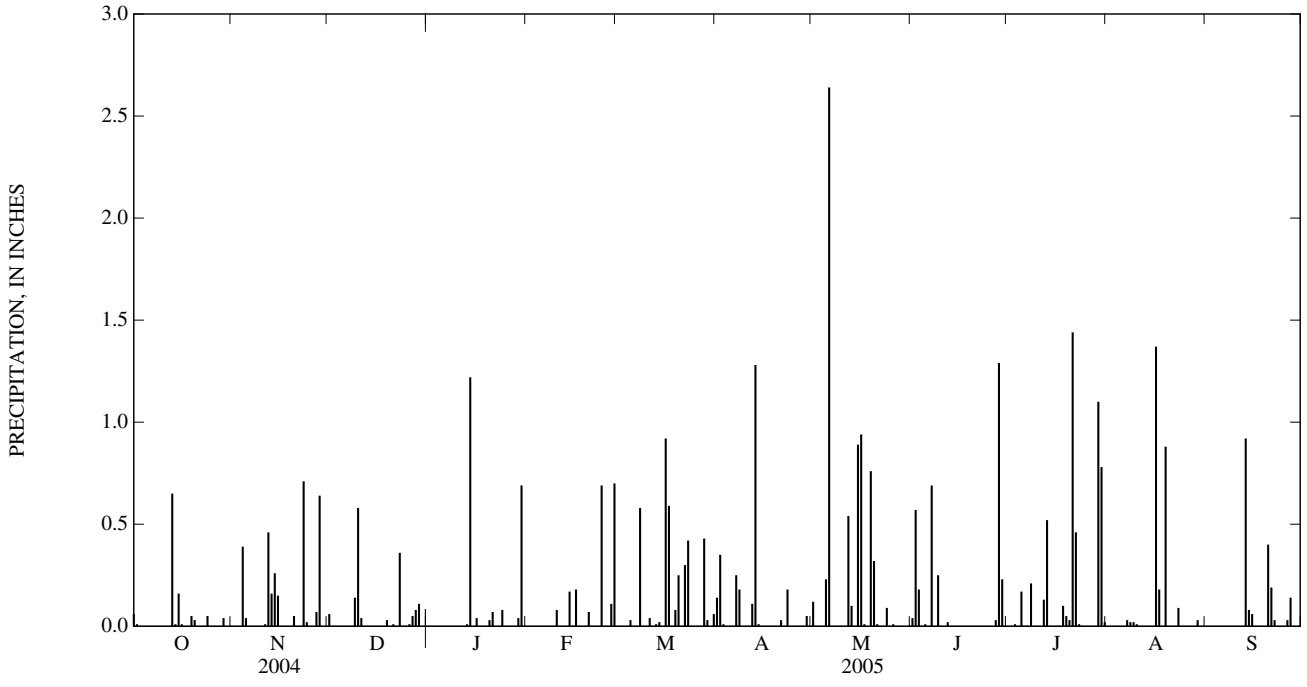
PERIOD OF RECORD.--November 2003 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	0.00	0.06	0.00	---	0.00	0.14	0.12	0.04	0.00	0.00	0.00
2	0.01	0.00	0.00	0.00	---	0.00	0.35	0.00	0.57	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00	0.18	0.01	0.00	0.00
4	0.00	0.39	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.23	0.01	0.17	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.64	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.69	0.00	0.03	0.00
8	0.00	0.00	0.00	0.00	0.00	0.58	0.18	0.00	0.00	0.21	0.02	0.00
9	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.02	0.00
10	0.00	0.00	0.58	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.00
11	0.00	0.01	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.46	0.00	0.00	0.00	0.00	0.11	0.54	0.02	0.13	0.00	0.00
13	0.65	0.16	0.00	0.01	0.00	0.01	1.28	0.10	0.00	0.52	0.00	0.92
14	0.01	0.26	0.00	1.22	0.17	0.02	0.01	0.00	0.00	---	0.00	0.08
15	0.16	0.15	0.00	0.00	0.00	0.00	0.00	0.89	0.00	---	0.00	0.06
16	0.01	0.00	0.00	0.04	0.18	0.92	0.00	0.94	0.00	0.00	1.37	0.00
17	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.01	0.00	0.00	0.18	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
19	0.05	0.00	0.03	0.00	0.00	0.08	0.00	0.76	0.00	0.05	0.88	0.00
20	0.03	0.05	0.00	0.03	0.07	0.25	0.00	0.32	0.00	0.03	0.00	0.40
21	0.00	0.00	0.01	0.07	0.00	0.00	0.03	0.01	0.00	1.44	0.00	0.19
22	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.46	0.00	0.03
23	0.00	0.71	0.36	0.00	0.00	0.42	0.18	0.00	0.00	0.01	0.09	0.00
24	0.05	0.02	0.00	0.08	0.69	0.00	0.00	0.09	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03
27	0.00	0.07	0.05	0.00	0.11	0.00	0.00	0.00	0.03	0.00	0.00	0.14
28	0.00	0.64	0.08	0.00	0.70	0.43	0.00	0.00	1.29	0.00	0.00	0.00
29	0.04	---	0.11	0.04	---	0.03	0.05	0.00	0.23	1.10	0.03	0.00
30	0.00	0.00	0.00	0.69	---	0.00	0.00	0.00	0.00	0.78	0.00	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.00	---	0.02	0.00	---
TOTAL	1.07	---	1.47	2.18	---	3.76	2.59	6.66	3.31	---	2.63	1.85



02082950 LITTLE FISHING CREEK NEAR WHITE OAK, NC

LOCATION.--Lat 36°11'00", long 77°52'34", Halifax County, Hydrologic Unit 03020102, on right bank 8 ft downstream of bridge on Secondary Road 1338, 1.1 mi west of White Oak, 1.8 mi upstream from Powells Creek, 4.3 mi upstream from mouth, and 12 mi west of Enfield.

DRAINAGE AREA.--177 mi^2.

PERIOD OF RECORD.--October 1959 to current year.

REVISED RECORDS.--WSP 1723: 1960(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 115.44 ft above NAVD of 1988. Feb. 14, 1962, to Apr. 23, 1979, auxiliary nonrecording gage 3.6 mi downstream. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record, from rating curve extended above 6,900 ft^3/s on basis of slope-conveyance study of peak flow. Maximum gage height for period of record, from flood marks. Minimum discharge for current water year also occurred Sept. 11.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1959 reached a stage of 19.3 ft, from flood marks; discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	97	211	168	290	689	245	105	52	29	59	8.1
2	99	90	189	158	215	489	283	125	57	25	74	7.5
3	97	86	169	150	196	271	439	109	103	22	52	6.9
4	114	115	151	146	319	208	318	90	127	20	40	6.2
5	101	333	138	145	326	186	226	79	105	18	33	5.4
6	89	284	130	142	247	178	193	173	84	17	28	4.9
7	77	180	145	139	205	168	177	403	70	15	25	4.4
8	68	137	174	134	187	408	200	256	622	16	25	4.2
9	62	116	156	134	178	795	236	155	620	18	24	4.1
10	59	101	401	128	176	534	201	112	172	22	23	4.6
11	57	94	830	124	173	286	171	92	111	16	23	4.0
12	53	109	679	122	157	286	153	81	84	14	24	4.3
13	79	728	337	124	147	280	167	127	68	13	28	4.2
14	362	991	247	563	142	219	212	141	58	33	21	5.2
15	402	441	203	1,080	145	194	186	101	50	16	18	6.0
16	282	228	180	653	147	184	153	169	43	14	17	6.9
17	167	183	170	306	146	509	134	103	37	13	285	6.4
18	120	160	167	228	138	755	125	78	31	11	68	6.7
19	99	147	164	187	127	543	121	109	29	90	38	6.7
20	479	138	162	176	121	326	116	423	28	313	29	6.3
21	1,780	132	153	197	124	265	111	289	26	189	24	14
22	995	127	149	207	134	222	103	163	24	161	21	9.1
23	263	151	164	195	132	245	101	112	23	76	18	11
24	186	346	236	172	151	338	116	88	21	71	17	7.8
25	161	331	244	170	251	285	104	112	19	46	15	6.3
26	143	227	193	176	207	222	94	142	18	35	14	5.3
27	129	171	180	182	166	198	91	107	17	29	13	5.4
28	118	333	162	163	374	425	88	84	18	25	11	5.1
29	110	466	158	139	---	997	83	71	22	52	10	4.9
30	105	308	180	254	---	714	90	62	29	131	9.6	4.9
31	102	---	184	402	---	313	---	56	---	64	8.8	---
TOTAL	7,076	7,350	7,006	7,264	5,321	11,732	5,037	4,317	2,768	1,614	1,095.4	186.8
MEAN	228	245	226	234	190	378	168	139	92.3	52.1	35.3	6.23
MAX	1,780	991	830	1,080	374	997	439	423	622	313	285	14
MIN	53	86	130	122	121	168	83	56	17	11	8.8	4.0
CFSM	1.29	1.38	1.28	1.32	1.07	2.14	0.95	0.79	0.52	0.29	0.20	0.04
IN.	1.49	1.54	1.47	1.53	1.12	2.47	1.06	0.91	0.58	0.34	0.23	0.04

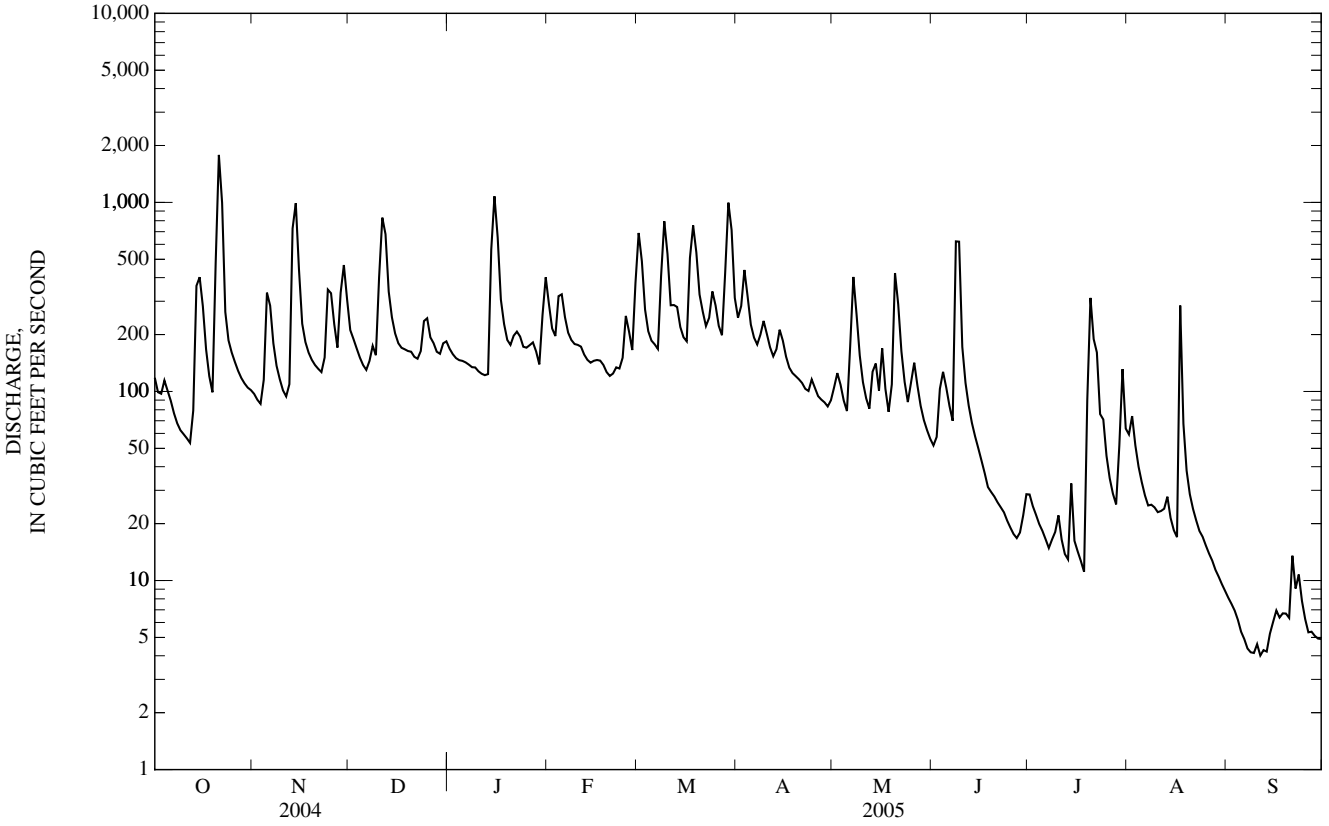
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

MEAN	104	122	160	250	321	336	232	138	99.6	86.6	83.8	110
MAX	982	860	482	570	742	873	720	550	300	602	330	1,947
(WY)	(1973)	(1986)	(1973)	(1962)	(1984)	(1998)	(1987)	(1984)	(1965)	(1975)	(1967)	(1999)
MIN	3.78	10.2	23.6	37.6	83.4	83.0	56.8	34.2	5.24	2.42	4.21	2.34
(WY)	(1971)	(1999)	(2002)	(1981)	(1991)	(1981)	(1967)	(2002)	(2002)	(2002)	(1993)	(1980)

02082950 LITTLE FISHING CREEK NEAR WHITE OAK, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1960 - 2005	
ANNUAL TOTAL	65,290		60,767.2			
ANNUAL MEAN	178		166		169	
HIGHEST ANNUAL MEAN					327	1973
LOWEST ANNUAL MEAN					47.2	1981
HIGHEST DAILY MEAN	1,780	Oct 21	1,780	Oct 21	20,000	Sep 17, 1999
LOWEST DAILY MEAN	15	Jun 23	4.0	Sep 11	0.51	Aug 15, 2002
ANNUAL SEVEN-DAY MINIMUM	17	Jul 19	4.3	Sep 7	0.55	Aug 9, 2002
MAXIMUM PEAK FLOW			1,940	Oct 21	31,000*	Sep 16, 1999
MAXIMUM PEAK STAGE			13.39	Oct 21	30.80*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			3.8*	Sep 10	0.50	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	1.01		0.941		0.957	
ANNUAL RUNOFF (INCHES)	13.72		12.77		13.01	
10 PERCENT EXCEEDS	362		335		357	
50 PERCENT EXCEEDS	129		128		80	
90 PERCENT EXCEEDS	29		13		15	

* See REMARKS.



02083000 FISHING CREEK NEAR ENFIELD, NC

LOCATION.--Lat 36°09'02", long 77°41'35", Edgecombe County, Hydrologic Unit 03020102, on right bank 15 ft downstream of bridge on U.S. Highway 301, 2,000 ft downstream of Seaboard Coast Line Railroad bridge, 2 mi southwest of Enfield, 4.8 mi downstream of Rocky Creek, and 40 mi upstream from mouth.

DRAINAGE AREA.--526 mi^2.

PERIOD OF RECORD.--October 1923 to current year. Figures of daily discharge below 250 ft^3/s, Oct 1, 1923, to July 3, 1924; below 350 ft^3/s, May 30, 1925, to May 31, 1926; below 150 ft^3/s, June 1 to Nov. 16, 1926; and below 100 ft^3/s, Nov. 17, 1926, to Sept. 30, 1928; published in WSP 622, 642, and 662 are unreliable and should not be used. Gage-height records collected at site 2,000 ft upstream at different datum July 1, 1910, to Apr. 30, 1914, and at present site and datum since May 1, 1914, are contained in reports of National Weather Service, NOAA, U.S. Department of Commerce.

REVISED RECORDS.--WSP 872: 1935(M). WSP 1333: 1928(M), 1932-33, 1935. WDR NC-81-1: Drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 73.23 ft above NAVD of 1988. Prior to Oct. 28, 1932, nonrecording gage and Oct. 29, 1932, to Sept. 30, 1992, at same site at datum 76.26 ft. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records fair. Slight diurnal fluctuation and some regulation at low flow caused by upstream mills.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Apr. 19, 1910, reached a stage of 20.1 ft, at datum 76.26 ft (from floodmarks of Seaboard Coast Line Railroad Co.) at site 2,000 ft upstream. Flood of July 24, 1919, reached a stage of 19.6 ft at datum 76.26 ft; discharge, 20,300 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

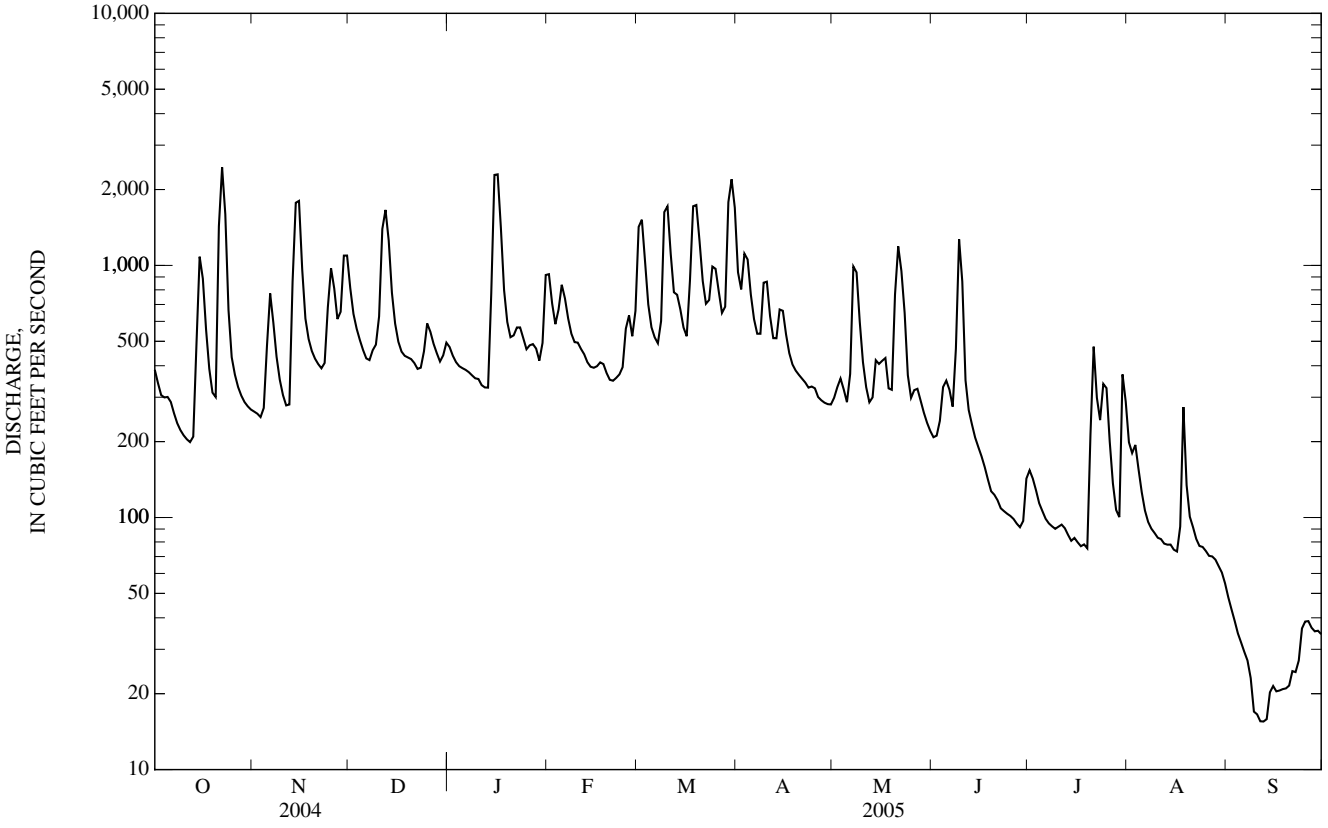
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	385	263	813	474	923	1,420	940	299	208	154	199	48
2	341	258	642	439	707	1,520	803	329	211	143	180	43
3	306	250	561	413	585	1,040	1,110	356	242	128	194	39
4	299	272	506	398	668	700	1,060	322	329	114	155	35
5	301	479	461	391	838	568	767	287	349	106	126	32
6	287	774	428	385	740	518	613	371	321	99	107	29
7	259	592	421	377	616	491	536	990	275	95	96	27
8	237	434	461	366	536	602	536	939	467	92	90	23
9	222	352	485	357	496	1,630	854	597	1,270	90	87	17
10	212	306	628	354	494	1,720	862	413	863	92	83	17
11	204	278	1,390	335	466	1,110	630	329	350	94	82	16
12	199	281	1,660	328	444	782	515	286	267	91	79	16
13	209	863	1,250	327	413	765	514	300	234	85	78	16
14	485	1,770	779	773	396	670	669	421	208	81	78	20
15	1,080	1,800	588	2,290	393	567	661	407	190	83	75	21
16	886	964	498	2,300	398	524	533	418	175	80	73	20
17	556	616	455	1,410	412	869	449	429	158	77	92	21
18	389	511	438	798	406	1,720	405	325	141	78	274	21
19	313	458	431	596	374	1,740	383	321	127	75	134	21
20	301	427	425	519	352	1,250	368	767	123	214	101	22
21	1,430	406	410	528	349	867	355	1,190	117	476	92	25
22	2,450	391	389	567	358	705	343	950	109	299	82	24
23	1,590	410	393	568	370	729	328	648	106	243	77	27
24	665	682	456	514	395	990	331	367	104	339	76	36
25	432	975	589	465	561	969	325	298	101	326	74	39
26	369	810	546	482	633	788	301	320	99	201	70	39
27	329	613	489	487	524	648	292	324	95	137	70	37
28	304	655	449	468	660	686	285	291	92	107	68	35
29	287	1,090	416	419	---	1,780	282	260	97	100	64	36
30	276	1,090	440	493	---	2,200	281	238	143	369	60	34
31	268	---	494	916	---	1,690	---	221	---	288	55	---
TOTAL	15,871	19,070	18,391	19,537	14,507	32,258	16,331	14,013	7,571	4,956	3,171	836
MEAN	512	636	593	630	518	1,041	544	452	252	160	102	27.9
MAX	2,450	1,800	1,660	2,300	923	2,200	1,110	1,190	1,270	476	274	48
MIN	199	250	389	327	349	491	281	221	92	75	55	16
CFSM	0.97	1.21	1.13	1.20	0.98	1.98	1.03	0.86	0.48	0.30	0.19	0.05
IN.	1.12	1.35	1.30	1.38	1.03	2.28	1.15	0.99	0.54	0.35	0.22	0.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2005, BY WATER YEAR (WY)

MEAN	273	335	485	708	857	895	694	433	315	297	325	335
MAX	2,035	1,948	1,391	2,303	2,145	2,158	2,049	2,174	1,255	1,483	1,828	5,122
(WY)	(1930)	(1986)	(1935)	(1936)	(1960)	(1989)	(1987)	(1958)	(1938)	(1975)	(1940)	(1999)
MIN	14.0	26.0	46.0	60.4	198	248	170	103	27.0	38.0	26.8	14.2
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(1967)	(2002)	(2002)	(2002)	(1993)	(1980)

02083000 FISHING CREEK NEAR ENFIELD, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1927 - 2005	
ANNUAL TOTAL	183,739		166,512			
ANNUAL MEAN	502		456		494	
HIGHEST ANNUAL MEAN					871	1984
LOWEST ANNUAL MEAN					148	1981
HIGHEST DAILY MEAN	3,260	Sep 2	2,450	Oct 22	29,200	Sep 18, 1999
LOWEST DAILY MEAN	63	Jun 25	16	Sep 11	6.9	Oct 5, 1968
ANNUAL SEVEN-DAY MINIMUM	77	Jun 19	18	Sep 9	8.1	Sep 30, 1968
MAXIMUM PEAK FLOW			2,590	Oct 22	30,100	Sep 18, 1999
MAXIMUM PEAK STAGE			14.19	Oct 22	21.65	Sep 18, 1999
INSTANTANEOUS LOW FLOW			13	Sep 12	13	Sep 12, 2005
ANNUAL RUNOFF (CFSM)	0.954		0.867		0.940	
ANNUAL RUNOFF (INCHES)	12.99		11.78		12.77	
10 PERCENT EXCEEDS	1,000		944		1,080	
50 PERCENT EXCEEDS	388		369		274	
90 PERCENT EXCEEDS	117		72		68	



0208331077 FISHING CREEK AT NC 97 NEAR LEGGETT, NC

LOCATION.--Lat 36°00'30", long 77°31'33", Edgecombe County, Hydrologic Unit 03020102, at bridge on NC 97, approximately 2 mi northeast of Leggett.

DRAINAGE AREA.--758 mi^2.

PERIOD OF RECORD.--January 2003 to current year.

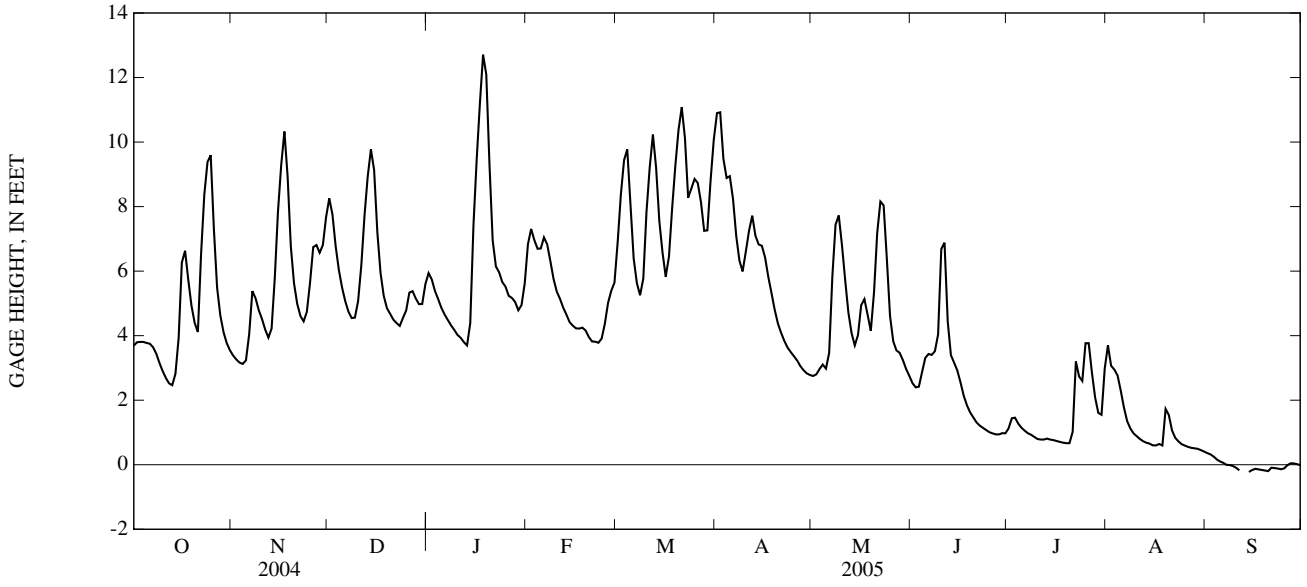
GAGE.--Water-stage recorder. Datum of gage is 30.00 ft above North American Vertical Datum of 1988. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.98 ft, Sept. 23; minimum gage height, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.91 ft, Jan. 18; minimum gage height, not determined.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.69	3.38	8.25	5.94	6.83	6.90	10.90	2.75	2.53	1.13	3.70	0.36
2	3.80	3.26	7.75	5.74	7.31	8.37	10.92	2.80	2.40	1.44	3.07	0.32
3	3.81	3.17	6.77	5.38	6.96	9.44	9.48	2.97	2.42	1.46	2.95	0.25
4	3.80	3.12	6.03	5.13	6.69	9.77	8.89	3.10	2.87	1.28	2.77	0.16
5	3.77	3.24	5.49	4.86	6.70	8.07	8.94	2.98	3.31	1.15	2.30	0.10
6	3.75	4.04	5.06	4.66	7.05	6.38	8.23	3.46	3.43	1.06	1.77	0.06
7	3.64	5.38	4.74	4.48	6.83	5.63	7.09	5.84	3.40	0.98	1.35	0.00
8	3.45	5.16	4.55	4.32	6.31	5.25	6.33	7.44	3.52	0.93	1.12	-0.01
9	3.16	4.79	4.56	4.18	5.75	5.77	5.99	7.73	4.04	0.86	0.97	-0.04
10	2.90	4.52	5.07	4.03	5.37	7.84	6.61	6.81	6.69	0.80	0.88	-0.10
11	2.69	4.19	6.18	3.93	5.14	9.21	7.25	5.72	6.88	0.78	0.80	-0.17
12	2.52	3.94	7.72	3.80	4.87	10.23	7.72	4.72	4.44	0.78	0.73	---
13	2.46	4.22	8.94	3.70	4.65	9.20	7.10	4.08	3.39	0.81	0.68	---
14	2.82	5.79	9.77	4.39	4.42	7.55	6.83	3.70	3.16	0.78	0.65	-0.22
15	3.93	7.85	9.13	7.41	4.31	6.58	6.79	4.02	2.92	0.76	0.60	-0.16
16	6.27	9.29	7.20	9.45	4.23	5.83	6.43	4.94	2.55	0.73	0.60	-0.13
17	6.63	10.33	5.94	11.19	4.22	6.44	5.83	5.13	2.14	0.71	0.64	-0.14
18	5.73	8.93	5.23	12.71	4.25	7.95	5.32	4.65	1.84	0.68	0.60	-0.16
19	4.93	6.77	4.85	12.09	4.16	9.27	4.80	4.15	1.62	0.67	1.73	-0.18
20	4.39	5.62	4.68	9.31	3.96	10.39	4.38	5.34	1.46	0.67	1.54	-0.20
21	4.11	4.99	4.50	6.95	3.82	11.08	4.09	7.19	1.31	1.02	1.06	-0.09
22	6.55	4.61	4.39	6.14	3.81	10.12	3.84	8.16	1.21	3.20	0.83	-0.10
23	8.37	4.44	4.30	5.96	3.78	8.27	3.63	8.04	1.14	2.73	0.72	-0.12
24	9.38	4.74	4.55	5.66	3.91	8.56	3.49	6.38	1.08	2.60	0.64	-0.14
25	9.59	5.64	4.78	5.52	4.37	8.86	3.36	4.61	1.01	3.77	0.59	-0.11
26	7.29	6.75	5.33	5.23	5.01	8.73	3.23	3.83	0.97	3.77	0.55	-0.02
27	5.48	6.81	5.38	5.17	5.39	8.14	3.06	3.54	0.94	2.86	0.52	0.04
28	4.63	6.57	5.15	5.04	5.64	7.25	2.93	3.47	0.94	2.08	0.51	0.04
29	4.11	6.81	4.98	4.79	---	7.26	2.83	3.24	0.98	1.61	0.49	0.02
30	3.77	7.67	4.98	4.95	---	8.82	2.78	2.97	0.97	1.55	0.45	-0.01
31	3.55	---	5.60	5.62	---	10.08	---	2.76	---	2.98	0.41	---
MEAN	4.68	5.53	5.87	6.06	5.21	8.17	5.97	4.73	2.52	1.50	1.17	---
MAX	9.59	10.33	9.77	12.71	7.31	11.08	10.92	8.16	6.88	3.77	3.70	---
MIN	2.46	3.12	4.30	3.70	3.78	5.25	2.78	2.75	0.94	0.67	0.41	---



02083500 TAR RIVER AT TARBORO, NC

LOCATION.--Lat 35°53'40", long 77°31'59", Edgecombe County, Hydrologic Unit 03020103, on right bank 50 ft downstream of bridge on U.S. Highway 64 in Tarboro, 6.5 mi downstream of Fishing Creek, and 49.2 mi upstream from Pamlico River at Washington.

DRAINAGE AREA.--2,183 mi^2.

PERIOD OF RECORD.--July 1896 to December 1900, October 1931 to current year. Gage-height records at various datums collected at same site since 1905 are contained in reports of National Weather Service, NOAA, U.S. Department of Commerce.

REVISED RECORDS.--WSP 1273: 1899-1900, 1933. WSP 1503: 1932. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 9.32 ft above NAVD of 1988. July 1896 to December 1900, nonrecording gage at Seaboard Coast Line Railroad bridge 600 ft downstream at different datum; Oct. 1 to Dec. 8, 1931, nonrecording gage at site 100 ft upstream at present datum. Telephone and satellite telemetry at station.

REMARKS.--Records good. Some diurnal fluctuation at low flow caused by mills upstream from station. Maximum gage height for period of record, from floodmarks. Town of Tarboro diverted 3.9 ft^3/s for municipal water supply. Minimum discharge for period of record also occurred Oct. 22, 1933, and Oct. 6, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 27, 1919, reached a stage of 34.0 ft, present datum, from flood marks; discharge, 52,800 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,240	917	3,940	2,350	2,770	3,190	6,500	1,050	863	674	985	146
2	1,380	863	3,570	2,350	3,150	4,010	6,320	1,110	803	639	978	138
3	1,360	811	2,920	2,190	3,110	4,930	5,780	1,130	907	667	913	130
4	1,290	797	2,480	2,040	2,970	5,150	5,440	1,180	1,230	724	846	153
5	1,240	819	2,170	1,920	2,980	4,080	5,270	1,220	1,410	650	746	149
6	1,190	889	1,930	1,780	3,080	3,190	4,730	1,460	1,360	544	621	140
7	1,090	1,290	1,760	1,680	3,110	2,590	3,690	3,480	1,280	469	484	134
8	1,020	1,640	1,640	1,570	2,810	2,300	3,020	4,190	1,390	421	429	130
9	898	1,450	1,570	1,480	2,490	2,450	2,860	4,210	1,460	375	375	126
10	851	1,280	1,670	1,410	2,270	3,170	3,300	3,610	2,440	344	328	121
11	761	1,160	2,210	1,350	2,110	4,140	3,630	2,720	2,630	319	308	117
12	709	1,100	2,970	1,290	1,950	4,360	3,410	2,040	1,900	306	304	113
13	687	1,290	4,100	1,250	1,820	4,100	3,250	1,730	1,510	327	344	123
14	813	1,770	4,880	1,570	1,700	3,410	3,840	1,630	1,360	396	458	132
15	1,300	2,930	4,290	3,700	1,620	2,840	4,080	1,950	1,170	379	384	132
16	2,000	3,590	3,020	5,360	1,590	2,480	3,740	2,380	971	373	336	121
17	2,350	3,460	2,390	6,200	1,550	3,120	3,140	3,200	832	308	433	118
18	2,040	3,210	1,990	7,120	1,530	4,550	2,590	3,360	694	283	457	118
19	1,690	2,540	1,780	7,070	1,480	5,250	2,190	2,960	567	280	355	118
20	1,510	2,010	1,640	5,160	1,410	6,060	1,890	2,680	511	281	415	116
21	1,270	1,710	1,550	3,510	1,340	6,400	1,710	2,850	473	361	341	137
22	1,660	1,520	1,480	2,800	1,300	5,830	1,600	3,040	431	1,090	294	166
23	2,640	1,410	1,450	2,570	1,280	4,820	1,510	2,900	400	1,350	276	127
24	2,670	1,600	1,510	2,420	1,340	4,650	1,430	2,470	380	1,080	265	117
25	2,620	1,960	1,640	2,250	1,650	5,000	1,350	1,890	367	952	253	115
26	2,260	2,440	1,810	2,110	1,930	5,020	1,280	1,610	355	1,040	234	116
27	1,650	2,720	1,980	2,020	2,150	4,720	1,250	1,440	346	939	217	120
28	1,390	2,660	1,920	1,920	2,380	4,020	1,190	1,290	394	718	187	118
29	1,240	2,850	1,820	1,810	---	3,840	1,100	1,190	647	611	181	111
30	1,080	3,330	1,820	1,820	---	4,990	1,090	1,070	833	556	167	106
31	981	---	2,070	2,310	---	5,790	---	959	---	661	157	---
TOTAL	44,880	56,016	71,970	84,380	58,870	130,450	92,180	67,999	29,914	18,117	13,071	3,808
MEAN	1,448	1,867	2,322	2,722	2,102	4,208	3,073	2,194	997	584	422	127
MAX	2,670	3,590	4,880	7,120	3,150	6,400	6,500	4,210	2,630	1,350	985	166
MIN	687	797	1,450	1,250	1,280	2,300	1,090	959	346	280	157	106
CFSM	0.66	0.86	1.06	1.25	0.96	1.93	1.41	1.00	0.46	0.27	0.19	0.06
IN.	0.76	0.95	1.23	1.44	1.00	2.22	1.57	1.16	0.51	0.31	0.22	0.06

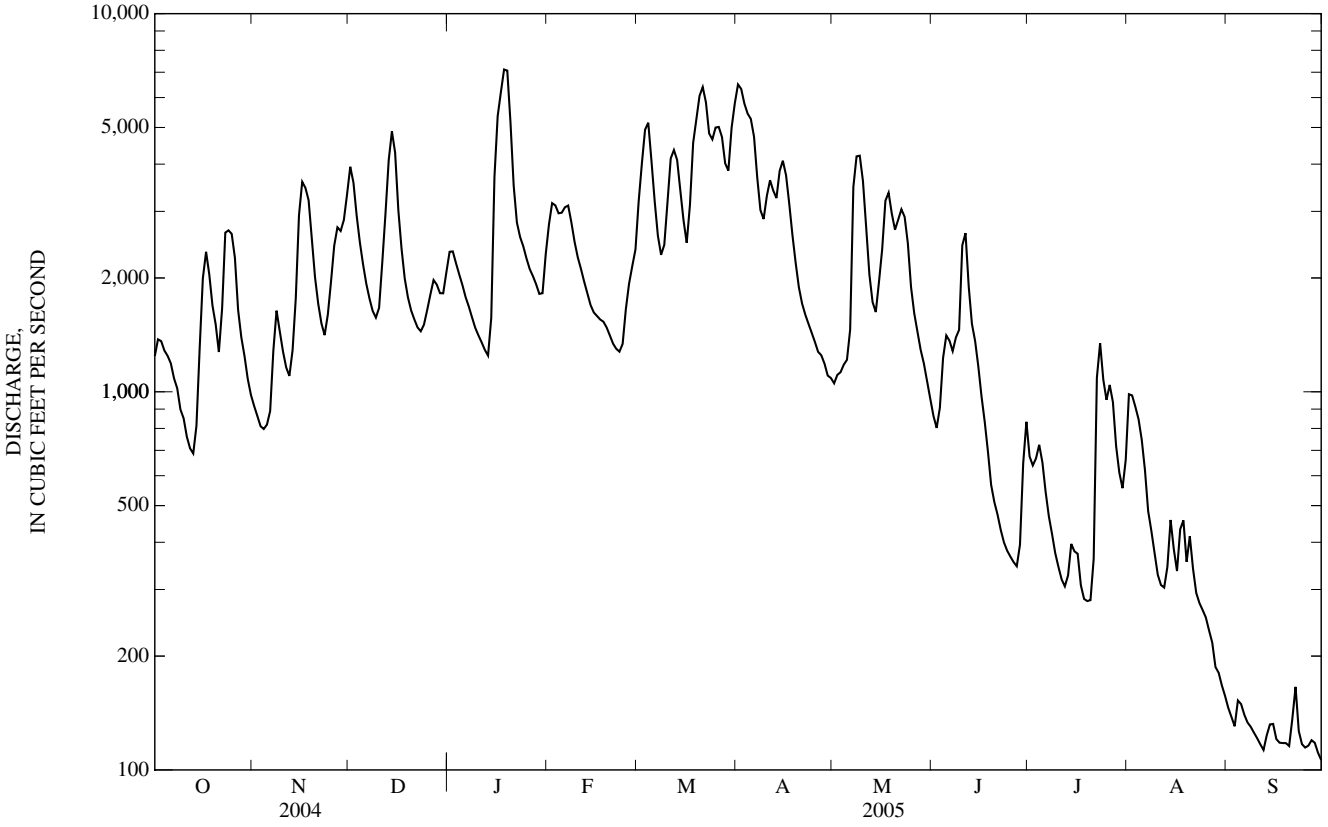
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2005,@ BY WATER YEAR (WY)

MEAN	1,151	1,296	2,042	3,271	4,237	4,401	3,238	1,843	1,345	1,274	1,446	1,624
MAX	8,896	5,049	6,195	10,020	12,920	11,050	8,553	8,411	4,873	6,291	8,260	26,760
(WY)	(2000)	(1948)	(1949)	(1936)	(1899)	(1989)	(1987)	(1958)	(1979)	(1975)	(1940)	(1999)
MIN	56.7	115	191	253	497	1,116	688	344	146	165	180	63.8
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(1995)	(2002)	(2002)	(2002)	(1993)	(1968)

02083500 TAR RIVER AT TARBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1896 - 2005[@]	
ANNUAL TOTAL	763,114		671,655			
ANNUAL MEAN	2,085		1,840		2,263	
HIGHEST ANNUAL MEAN					4,199	2003
LOWEST ANNUAL MEAN					594	1981
HIGHEST DAILY MEAN	11,100	Aug 19	7,120	Jan 18	70,500	Sep 19, 1999
LOWEST DAILY MEAN	365	Jun 22	106	Sep 30	36	Oct 17, 1933
ANNUAL SEVEN-DAY MINIMUM	401	Jun 18	115	Sep 24	40	Sep 26, 1932
MAXIMUM PEAK FLOW			7,410	Jan 19	70,600*	Sep 19, 1999
MAXIMUM PEAK STAGE			15.44	Jan 19	41.51*	Sep 19, 1999
INSTANTANEOUS LOW FLOW			104	Sep 30	36*	Oct 17, 1933
ANNUAL RUNOFF (CFSM)	0.955		0.843		1.04	
ANNUAL RUNOFF (INCHES)	13.00		11.45		14.09	
10 PERCENT EXCEEDS	4,240		4,010		5,640	
50 PERCENT EXCEEDS	1,660		1,510		1,250	
90 PERCENT EXCEEDS	512		245		284	

[@] See PERIOD OF RECORD.
* See REMARKS.



02083640 TOWN CREEK AT US 258 NEAR PINETOPS, NC

LOCATION.--Lat 35°47'53", long 77°35'29", Edgecombe County, Hydrologic Unit 03020103, at bridge on US Highway 258, 0.2 mi downstream from Bynums Mill Creek and 2.8 mi east of Pinetops.

DRAINAGE AREA.--190 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--July 2003 to current year.

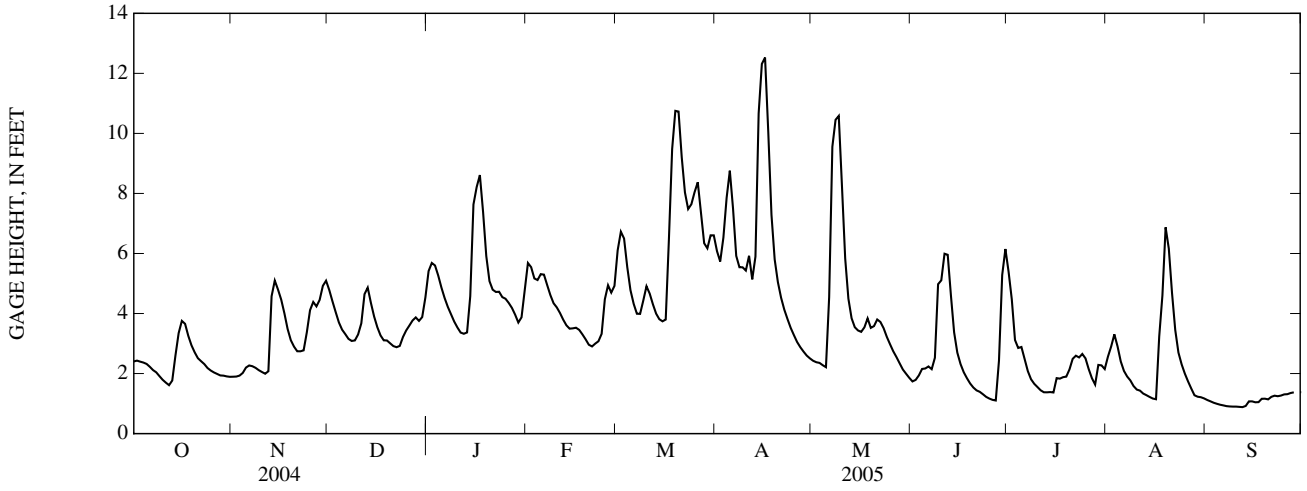
GAGE.--Water-stage recorder. Datum of gage is 20.00 ft, above North American Vertical Datum of 1988. Satellite telemetry at station.

EXTEMES FOR PERIOD OF RECORD.--Maximum gage height, 15.92 ft, Sept. 20, 2003; minimum gage height, 0.87 ft, Sept. 12, 13, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.93 ft, Apr. 16; minimum gage height, 0.87 ft, Sept. 12, 13.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	1.89	4.78	5.41	5.68	6.11	6.08	2.43	1.74	5.39	2.56	1.12
2	2.43	1.90	4.41	5.68	5.55	6.73	5.73	2.38	1.79	4.47	2.90	1.08
3	2.40	1.93	4.05	5.60	5.17	6.50	6.53	2.35	1.94	3.12	3.31	1.03
4	2.37	2.02	3.70	5.26	5.11	5.55	7.85	2.28	2.15	2.85	2.90	0.99
5	2.32	2.20	3.46	4.86	5.31	4.78	8.76	2.21	2.17	2.88	2.40	0.96
6	2.23	2.27	3.31	4.52	5.29	4.32	7.50	4.55	2.24	2.48	2.09	0.94
7	2.12	2.24	3.16	4.22	4.95	3.99	5.92	9.56	2.15	2.08	1.90	0.91
8	2.04	2.19	3.09	3.98	4.62	3.99	5.54	10.45	2.53	1.81	1.77	0.90
9	1.92	2.11	3.10	3.73	4.34	4.43	5.54	10.58	4.98	1.66	1.58	0.90
10	1.79	2.05	3.30	3.53	4.20	4.91	5.43	8.25	5.11	1.55	1.47	0.90
11	1.70	1.99	3.67	3.37	4.02	4.66	5.92	5.84	5.99	1.44	1.43	0.89
12	1.61	2.08	4.65	3.33	3.80	4.31	5.14	4.50	5.96	1.38	1.33	0.88
13	1.77	4.57	4.86	3.37	3.61	4.00	5.90	3.84	4.61	1.37	1.28	0.92
14	2.60	5.10	4.35	4.58	3.50	3.81	10.67	3.54	3.37	1.38	1.22	1.07
15	3.35	4.80	3.90	7.63	3.51	3.74	12.31	3.44	2.70	1.37	1.17	1.07
16	3.76	4.46	3.54	8.21	3.53	3.80	12.53	3.39	2.32	1.85	1.15	1.04
17	3.66	4.01	3.27	8.61	3.45	6.50	10.04	3.54	2.04	1.83	3.23	1.05
18	3.26	3.49	3.11	7.38	3.31	9.48	7.29	3.84	1.84	1.88	4.60	1.16
19	2.94	3.11	3.10	5.91	3.14	10.75	5.80	3.52	1.67	1.90	6.87	1.16
20	2.71	2.90	3.01	5.08	2.96	10.73	5.05	3.58	1.53	2.14	6.16	1.14
21	2.51	2.74	2.92	4.79	2.90	9.20	4.53	3.80	1.44	2.49	4.69	1.22
22	2.41	2.74	2.88	4.72	3.00	8.03	4.13	3.72	1.39	2.60	3.45	1.26
23	2.32	2.77	2.92	4.72	3.08	7.48	3.82	3.51	1.31	2.54	2.70	1.25
24	2.19	3.38	3.22	4.55	3.32	7.64	3.52	3.22	1.22	2.65	2.31	1.27
25	2.10	4.11	3.43	4.49	4.47	8.04	3.28	2.98	1.17	2.51	2.00	1.31
26	2.04	4.39	3.60	4.35	4.94	8.37	3.05	2.74	1.12	2.15	1.74	1.31
27	1.99	4.24	3.77	4.19	4.70	7.36	2.88	2.55	1.10	1.85	1.50	1.35
28	1.94	4.45	3.87	3.96	4.92	6.34	2.73	2.34	2.43	1.63	1.28	1.37
29	1.93	4.92	3.75	3.70	---	6.17	2.60	2.13	5.28	2.29	1.23	---
30	1.91	5.09	3.88	3.87	---	6.60	2.50	1.99	6.15	2.27	1.21	1.38
31	1.89	---	4.54	4.78	---	6.60	---	1.86	---	2.15	1.17	---
MEAN	2.34	3.20	3.63	4.92	4.16	6.29	5.95	4.03	2.71	2.26	2.41	---
MAX	3.76	5.10	4.86	8.61	5.68	10.75	12.53	10.58	6.15	5.39	6.87	---
MIN	1.61	1.89	2.88	3.33	2.90	3.74	2.50	1.86	1.10	1.37	1.15	---



02083640 TOWN CREEK AT US 258 NEAR PINETOPS, NC—Continued

PRECIPITATION RECORDS

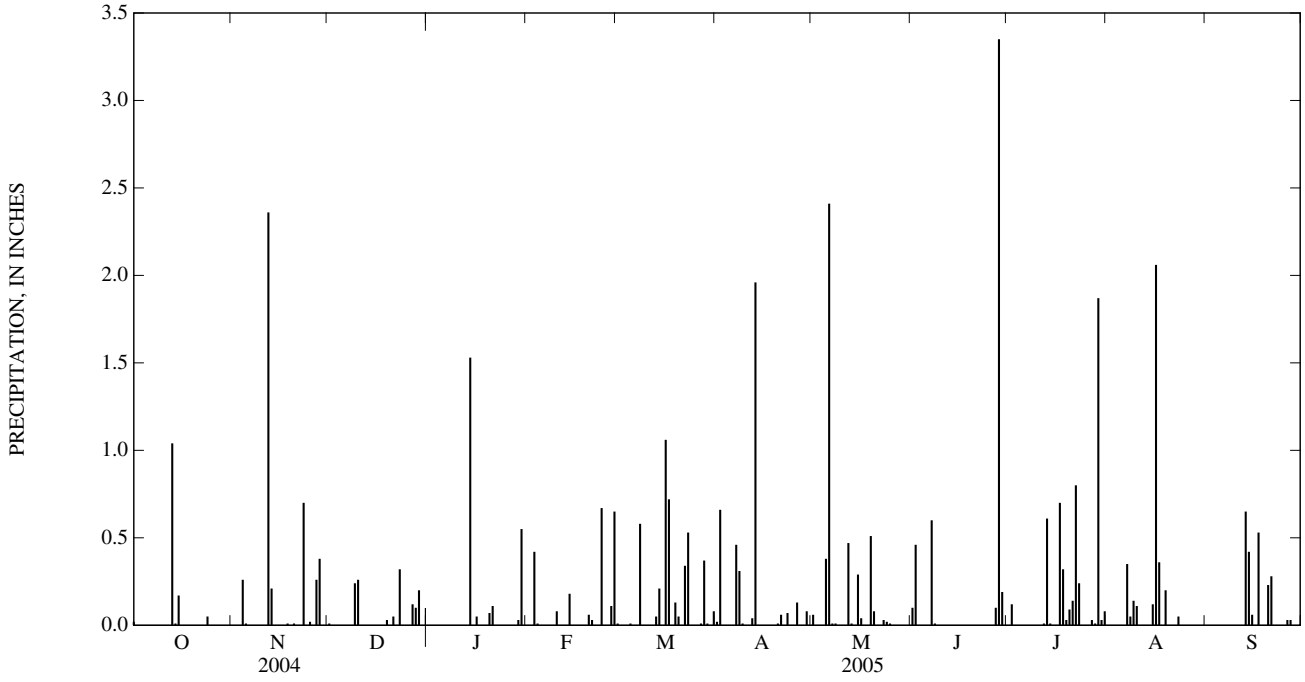
PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.00	0.01	0.00	0.00	0.01	0.02	0.06	0.10	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.46	0.12	0.00	0.00
3	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.26	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.38	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.01	0.60	0.00	0.35	0.00
8	0.00	0.00	0.00	0.00	0.00	0.58	0.31	0.01	0.01	0.00	0.05	0.00
9	0.00	0.00	0.24	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.14	0.00
10	0.00	0.00	0.26	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.11	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	2.36	0.00	0.00	0.00	0.00	0.04	0.47	0.00	0.01	0.00	0.00
13	1.04	0.21	0.00	0.00	0.00	0.05	1.96	0.01	0.00	0.61	0.00	0.65
14	0.01	0.00	0.00	1.53	0.18	0.21	0.00	0.00	0.00	0.01	0.00	0.42
15	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.12	0.06
16	0.00	0.00	0.00	0.05	0.00	1.06	0.00	0.04	0.00	0.00	2.06	0.00
17	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.70	0.36	0.53
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00
19	0.00	0.00	0.03	0.00	0.00	0.13	0.00	0.51	0.00	0.03	0.20	0.00
20	0.00	0.01	0.00	0.07	0.06	0.05	0.01	0.08	0.00	0.09	0.00	0.23
21	0.00	0.00	0.05	0.11	0.03	0.00	0.06	0.00	0.00	0.14	0.00	0.28
22	0.00	0.00	0.00	---	0.00	0.34	0.00	0.00	0.00	0.80	0.00	0.00
23	0.00	0.70	0.32	---	0.00	0.53	0.07	0.03	0.00	0.24	0.05	0.00
24	0.05	0.00	0.00	---	0.67	0.00	0.00	0.02	0.00	0.00	0.00	0.00
25	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.03
27	0.00	0.26	0.12	0.00	0.11	0.01	0.00	0.00	0.10	0.03	0.00	0.03
28	0.00	0.38	0.10	0.00	0.65	0.37	0.00	0.00	3.35	0.01	0.00	0.00
29	0.00	0.00	0.20	0.03	---	0.01	0.08	0.00	0.19	1.87	0.00	---
30	0.00	0.00	0.00	0.55	---	0.00	0.00	0.00	0.00	0.03	0.00	0.00
31	0.00	---	0.00	0.00	---	0.08	---	0.00	---	0.08	0.00	---
TOTAL	1.29	4.22	1.33	---	2.21	4.16	3.81	4.33	4.81	5.09	3.44	---



02083893 TAR RIVER AT US 264 BYPASS NEAR ROCK SPRINGS, NC

LOCATION.--Lat 35°38'43", long 77°25'22", Pitt County, Hydrologic Unit 03020103, at bridge on US 264 Bypass and 1.7 mi northeast of Rock Spring.

DRAINAGE AREA.--2,621 mi^2.

PERIOD OF RECORD.--June 2003 to current year.

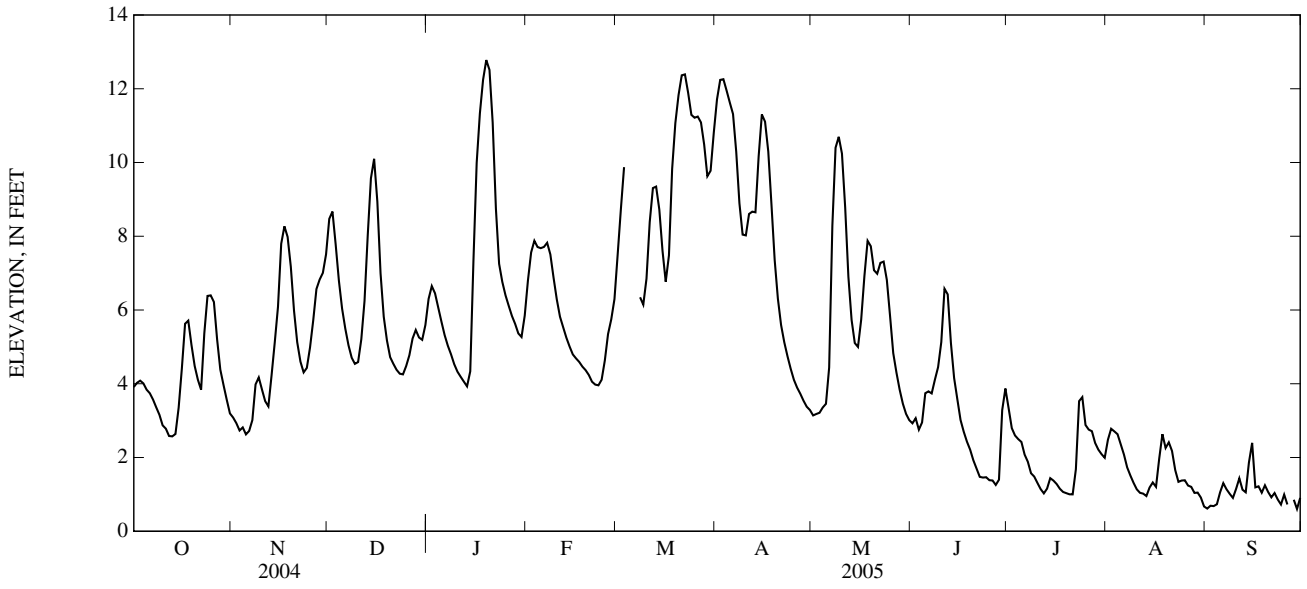
GAGE.--Water stage recorder. Datum of gage is at NAVD of 1988 (levels by North Carolina Geodetic Survey). Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 15.16 ft, Aug. 20, 2004; minimum elevation, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 12.85 ft, Jan. 19; minimum elevation, not determined.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.91	3.08	8.47	6.30	6.80	7.50	11.71	3.14	2.93	3.34	2.48	0.62
2	4.02	2.93	8.67	6.65	7.56	8.73	12.24	3.18	3.06	2.80	2.78	0.69
3	4.08	2.73	7.78	6.45	7.88	9.87	12.26	3.21	2.75	2.60	2.71	0.68
4	4.01	2.82	6.80	6.07	7.71	---	11.95	3.36	2.95	2.50	2.63	0.73
5	3.84	2.63	6.04	5.69	7.68	---	11.62	3.46	3.74	2.42	2.36	1.06
6	3.74	2.72	5.50	5.32	7.71	---	11.31	4.44	3.79	2.08	2.08	1.30
7	3.57	3.01	5.04	5.03	7.82	---	10.29	8.29	3.74	1.88	1.73	1.14
8	3.36	3.98	4.71	4.80	7.51	6.34	8.89	10.40	4.11	1.57	1.51	1.02
9	3.16	4.17	4.54	4.53	6.87	6.15	8.04	10.70	4.45	1.48	1.31	0.90
10	2.87	3.84	4.59	4.33	6.29	6.85	8.02	10.24	5.13	1.31	1.14	1.15
11	2.78	3.53	5.21	4.19	5.82	8.38	8.60	8.78	6.58	1.14	1.04	1.44
12	2.58	3.39	6.24	4.06	5.53	9.31	8.67	6.90	6.42	1.03	1.02	1.13
13	2.57	4.23	8.02	3.93	5.25	9.35	8.65	5.73	5.10	1.16	0.96	1.06
14	2.64	5.13	9.57	4.34	5.01	8.72	10.17	5.10	4.16	1.44	1.19	1.86
15	3.35	6.09	10.10	7.34	4.80	7.61	11.30	5.00	3.58	1.37	1.32	2.40
16	4.41	7.80	8.94	9.99	4.69	6.77	11.11	5.74	3.02	1.28	1.20	1.19
17	5.63	8.27	7.00	11.33	4.59	7.48	10.30	6.92	2.70	1.15	1.97	1.22
18	5.71	7.98	5.82	12.24	4.46	9.83	8.85	7.88	2.43	1.07	2.63	1.05
19	5.05	7.18	5.17	12.78	4.37	11.07	7.36	7.73	2.21	1.03	2.26	1.25
20	4.48	5.98	4.72	12.51	4.24	11.83	6.31	7.08	1.93	1.00	2.41	1.06
21	4.11	5.13	4.54	11.08	4.05	12.36	5.59	6.98	1.70	1.00	2.18	0.92
22	3.84	4.60	4.38	8.75	3.98	12.39	5.13	7.28	1.48	1.68	1.66	1.04
23	5.37	4.31	4.27	7.25	3.96	11.89	4.74	7.31	1.46	3.53	1.34	0.86
24	6.38	4.43	4.25	6.76	4.11	11.29	4.41	6.82	1.46	3.64	1.38	0.72
25	6.40	4.99	4.48	6.40	4.63	11.21	4.11	5.84	1.38	2.88	1.38	0.99
26	6.22	5.72	4.77	6.11	5.35	11.25	3.90	4.83	1.38	2.76	1.24	0.73
27	5.21	6.57	5.23	5.84	5.75	11.09	3.73	4.30	1.26	2.71	1.20	---
28	4.38	6.82	5.46	5.62	6.30	10.48	3.54	3.84	1.40	2.39	1.04	0.85
29	3.96	7.01	5.26	5.37	---	9.63	3.38	3.46	3.28	2.21	1.05	0.60
30	3.57	7.51	5.19	5.27	---	9.78	3.29	3.18	3.87	2.09	0.91	0.90
31	3.20	---	5.59	5.85	---	10.81	---	3.01	---	1.99	0.67	---
MEAN	4.14	4.95	6.01	6.84	5.74	---	7.98	5.94	3.12	1.95	1.64	---
MAX	6.40	8.27	10.10	12.78	7.88	---	12.26	10.70	6.58	3.64	2.78	---
MIN	2.57	2.63	4.25	3.93	3.96	---	3.29	3.01	1.26	1.00	0.67	---



02084000 TAR RIVER AT GREENVILLE, NC

LOCATION.--Lat 35°37'00", long 77°22'22", Pitt County, Hydrologic Unit 03020103, on right bank approximately 1500 ft downstream from railroad bridge, and 21 mi upstream from Pamlico River at Washington.

DRAINAGE AREA.--2,660 mi^2 (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1997 to current year. Gage height records collected at site 800 ft upstream from 1905 to 1935 and at site 200 ft upstream from 1935 to 1984, are in reports of the National Weather Service. Unpublished records of gage height for the period October 1984 to September 1990 are available in files of USGS District Office, Raleigh, NC.

REVISED RECORDS.--WDR NC-99-1(m).

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 3.54 ft below NAVD of 1988. Satellite telemetry at station.

REMARKS.--Records fair except those for negative flow, which are poor. This site is affected by both astronomical and wind tides.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 22, 1940 reached a stage of 22.07 ft at site 200 ft upstream at present datum; discharge 36,500 ft^3/s. Maximum observed stage during period 1905-39 (National Weather Service Records) 24.5 ft July 28, 1919.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

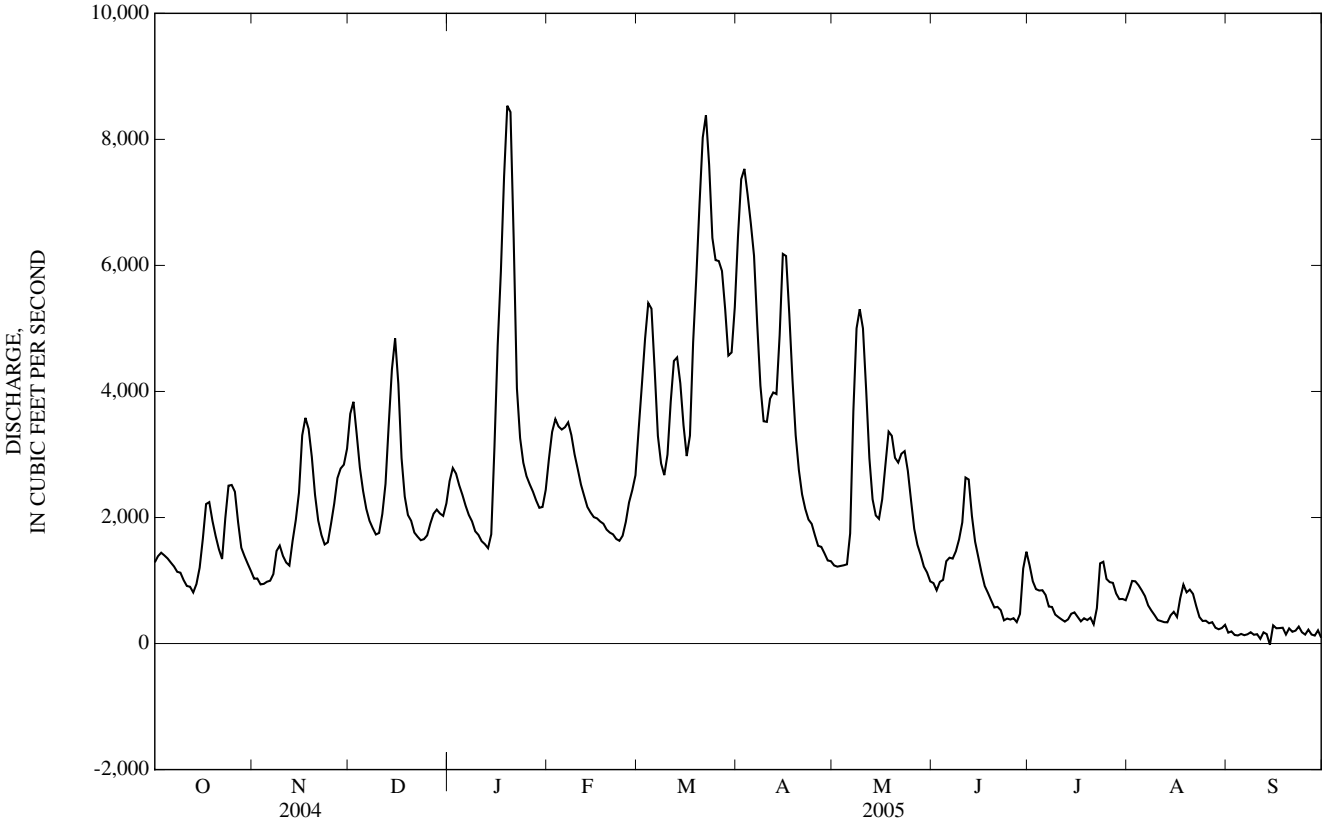
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,290	1,030	3,650	2,580	2,930	3,400	6,460	1,240	959	1,240	825	173
2	1,390	1,030	3,840	2,790	3,360	4,100	7,370	1,220	846	988	994	193
3	1,440	938	3,330	2,700	3,560	4,830	7,530	1,230	979	864	987	136
4	1,400	947	2,790	2,510	3,440	5,400	7,120	1,240	1,010	841	925	128
5	1,350	981	2,420	2,360	3,400	5,310	6,670	1,260	1,310	846	843	153
6	1,290	997	2,140	2,190	3,430	4,340	6,150	1,750	1,360	770	753	133
7	1,220	1,100	1,950	2,040	3,510	3,290	5,060	3,680	1,350	587	605	147
8	1,140	1,470	1,830	1,940	3,310	2,860	4,090	5,000	1,470	580	524	180
9	1,120	1,550	1,730	1,780	3,000	2,670	3,530	5,300	1,650	460	451	139
10	1,010	1,390	1,750	1,720	2,760	3,000	3,520	5,000	1,920	419	372	148
11	914	1,290	2,060	1,620	2,520	3,840	3,890	4,020	2,630	382	357	74
12	901	1,240	2,530	1,580	2,340	4,480	3,980	2,940	2,600	348	339	178
13	811	1,630	3,470	1,510	2,170	4,540	3,960	2,290	2,020	384	337	149
14	945	1,960	4,350	1,730	2,080	4,130	4,890	2,030	1,620	473	447	-20
15	1,200	2,400	4,840	3,120	2,010	3,460	6,180	1,980	1,370	494	503	289
16	1,660	3,300	4,120	4,730	1,990	2,970	6,150	2,290	1,120	423	421	243
17	2,210	3,580	2,940	5,900	1,940	3,300	5,230	2,830	913	352	719	245
18	2,240	3,410	2,330	7,410	1,900	4,780	4,190	3,360	803	401	935	251
19	1,940	2,960	2,040	8,530	1,810	5,820	3,310	3,300	686	373	812	143
20	1,700	2,360	1,950	8,430	1,760	6,980	2,750	2,950	573	411	856	240
21	1,500	1,950	1,760	6,430	1,730	8,030	2,370	2,870	582	305	788	187
22	1,340	1,720	1,700	4,050	1,660	8,380	2,140	3,010	529	561	594	205
23	1,990	1,570	1,640	3,260	1,630	7,590	1,970	3,050	368	1,270	421	270
24	2,510	1,610	1,660	2,870	1,710	6,440	1,900	2,740	396	1,300	358	179
25	2,520	1,900	1,720	2,660	1,930	6,080	1,720	2,270	381	1,020	362	142
26	2,410	2,220	1,900	2,530	2,240	6,070	1,550	1,820	402	975	322	221
27	1,920	2,630	2,060	2,410	2,430	5,910	1,530	1,570	340	963	339	143
28	1,520	2,780	2,130	2,270	2,670	5,300	1,430	1,410	470	795	251	127
29	1,390	2,840	2,060	2,150	---	4,570	1,320	1,220	1,190	705	227	210
30	1,270	3,090	2,030	2,170	---	4,620	1,310	1,130	1,460	708	246	93
31	1,150	---	2,220	2,440	---	5,340	---	987	---	687	297	---
TOTAL	46,691	57,873	76,940	100,410	69,220	151,830	119,270	76,987	33,307	20,925	17,210	5,099
MEAN	1,506	1,929	2,482	3,239	2,472	4,898	3,976	2,483	1,110	675	555	170
MAX	2,520	3,580	4,840	8,530	3,560	8,380	7,530	5,300	2,630	1,300	994	289
MIN	811	938	1,640	1,510	1,630	2,670	1,310	987	340	305	227	-20
CFSM	0.57	0.73	0.93	1.22	0.93	1.84	1.49	0.93	0.42	0.25	0.21	0.06
IN.	0.65	0.81	1.08	1.40	0.97	2.12	1.67	1.08	0.47	0.29	0.24	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	2,446	1,719	2,399	3,388	4,880	5,031	3,814	1,993	1,511	918	1,924	5,279
MAX	11,690	5,031	5,521	6,167	13,280	12,020	8,873	4,968	4,141	1,998	4,658	29,850
(WY)	(2000)	(2003)	(2003)	(1999)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2004)	(1999)
MIN	282	265	455	1,133	1,898	1,857	1,643	528	190	265	287	170
(WY)	(2002)	(2002)	(2002)	(2001)	(2001)	(2002)	(1999)	(2002)	(2002)	(2002)	(1999)	(2005)

02084000 TAR RIVER AT GREENVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	881,921		775,762			
ANNUAL MEAN	2,410		2,125		2,976	
HIGHEST ANNUAL MEAN					5,052	2003
LOWEST ANNUAL MEAN					1,288	2002
HIGHEST DAILY MEAN	11,900	Aug 20	8,530	Jan 19	72,300	Sep 21, 1999
LOWEST DAILY MEAN	413	Jun 23	-20	Sep 14	-20	Sep 14, 2005
ANNUAL SEVEN-DAY MINIMUM	464	Jun 19	121	Sep 8	84	Aug 19, 2002
MAXIMUM PEAK FLOW			9,020	Jan 19	73,000	Sep 21, 1999
MAXIMUM PEAK STAGE			11.46	Jan 20	29.72	Sep 21, 1999
INSTANTANEOUS LOW FLOW			-610	Sep 24	-851	Aug 22, 1999
ANNUAL RUNOFF (CFSM)	0.906		0.799		1.12	
ANNUAL RUNOFF (INCHES)	12.33		10.85		15.20	
10 PERCENT EXCEEDS	4,660		4,660		6,820	
50 PERCENT EXCEEDS	1,900		1,720		1,640	
90 PERCENT EXCEEDS	726		331		305	



02084000 TAR RIVER AT GREENVILLE, NC—Continued

PRECIPITATION RECORDS

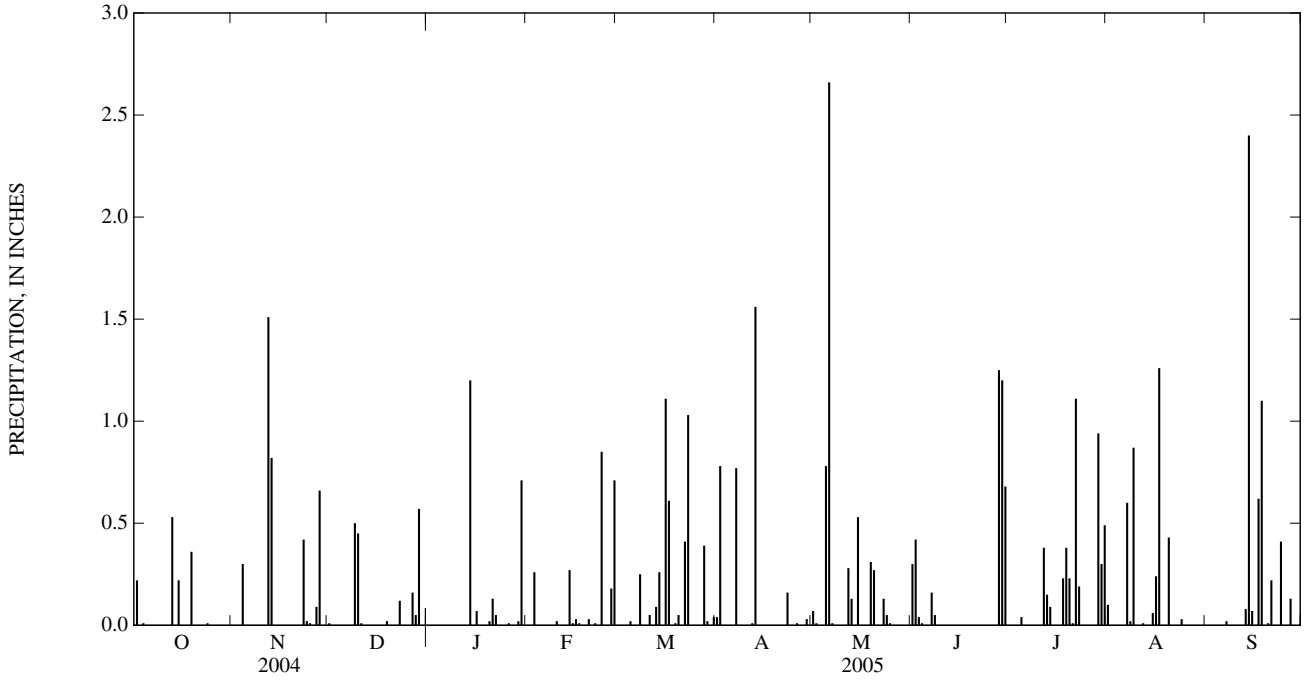
PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.07	0.30	0.00	0.10	0.00
2	0.22	0.00	0.00	0.00	0.00	0.00	0.78	0.01	0.42	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.04	0.00	0.00	0.00
4	0.01	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.78	0.00	0.04	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.01	0.16	0.00	0.60	0.02
8	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.05	0.00	0.02	0.00
9	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00
10	0.00	0.00	0.45	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.51	0.00	0.00	0.00	0.00	0.01	0.28	0.00	0.38	0.01	0.00
13	0.53	0.82	0.00	0.00	0.00	0.09	1.56	0.13	0.00	0.15	0.00	0.08
14	0.00	0.00	0.00	1.20	0.27	0.26	0.00	0.00	0.00	0.09	0.00	2.40
15	0.22	0.00	0.00	0.00	0.01	0.00	0.00	0.53	0.00	0.00	0.06	0.07
16	0.00	0.00	0.00	0.07	0.03	1.11	0.00	0.00	0.00	0.00	0.24	0.00
17	0.00	0.00	0.00	0.00	0.01	0.61	0.00	0.00	0.00	0.00	1.26	0.62
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	1.10
19	0.36	0.00	0.02	0.00	0.00	0.01	0.00	0.31	0.00	0.38	0.00	0.00
20	0.00	0.00	0.00	0.02	0.03	0.05	0.00	0.27	0.00	0.23	0.43	0.01
21	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.22
22	0.00	0.00	0.00	0.05	0.01	0.41	0.00	0.00	0.00	1.11	0.00	0.00
23	0.00	0.42	0.12	0.00	0.00	1.03	0.16	0.13	0.00	0.19	0.00	0.00
24	0.01	0.02	0.00	0.00	0.85	0.00	0.00	0.05	0.00	0.00	0.03	0.41
25	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
27	0.00	0.09	0.16	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.13
28	0.00	0.66	0.05	0.00	0.71	0.39	0.00	0.00	1.25	0.00	0.00	0.00
29	0.00	0.00	0.57	0.02	---	0.02	0.03	0.00	1.20	0.94	0.00	0.00
30	0.00	0.00	0.00	0.71	---	0.00	0.00	0.00	0.68	0.30	0.00	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.00	---	0.49	0.00	---
TOTAL	1.35	3.83	1.89	2.21	2.38	4.34	3.36	5.24	4.11	4.54	3.62	5.06



02084160 CHICOD CREEK AT SECONDARY ROAD 1760 NEAR SIMPSON, NC

LOCATION.--Lat 35°33'42", long 77°13'51", Pitt County, Hydrologic Unit 03020103, on left bank at downstream side of bridge on Secondary Road 1760, 0.6 mi upstream from Juniper Branch, and 2.8 mi east-southeast of Simpson.

DRAINAGE AREA.--45 mi^2.

PERIOD OF RECORD.--October 1975 to March 1987. May 1992 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1.1 ft below NAVD of 1988. Satellite telemetry at station.

REMARKS.--Records poor. Maximum gage height for period of record from flood mark. No flow occurs at times during most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	1.3	24	26	49	137	46	7.6	13	135	555	28
2	2.7	1.4	20	24	43	72	327	7.6	19	59	e229	28
3	2.7	1.6	17	21	38	49	458	6.7	22	32	e62	27
4	2.6	1.9	15	20	38	41	185	6.3	27	29	e38	26
5	2.6	2.1	13	23	37	36	83	9.1	26	40	e32	26
6	2.4	1.8	13	20	34	33	53	179	22	30	e31	25
7	1.9	1.7	12	16	32	30	42	477	23	24	e29	25
8	1.5	1.5	13	15	29	29	46	257	29	19	e32	26
9	1.3	1.3	16	14	27	29	65	118	39	16	e51	25
10	1.1	1.1	21	13	26	27	54	61	33	15	137	25
11	0.85	0.97	26	13	24	25	42	42	29	14	64	25
12	0.73	1.8	25	13	23	26	33	32	23	12	46	24
13	2.6	18	24	12	21	25	58	31	20	13	35	24
14	4.4	29	21	36	21	30	455	25	19	14	30	35
15	4.4	21	18	184	23	36	286	22	20	15	28	104
16	4.9	13	16	98	24	38	124	22	20	19	31	135
17	10	9.4	16	70	24	273	65	20	18	23	200	53
18	8.1	7.1	14	54	26	331	47	16	18	27	142	29
19	5.7	5.9	14	44	23	171	37	16	17	29	51	19
20	4.3	5.1	14	40	20	114	30	16	17	22	38	13
21	3.6	5.0	13	39	20	128	24	15	15	19	31	9.3
22	3.4	6.9	13	37	20	76	20	12	12	15	26	5.8
23	3.0	11	17	36	19	76	17	10	11	16	24	3.7
24	2.7	13	35	35	24	246	12	9.9	11	16	22	2.4
25	2.3	15	29	33	31	135	8.2	10	11	17	19	1.4
26	1.8	17	34	31	31	72	6.7	9.3	12	18	21	1.2
27	1.5	17	76	29	29	53	7.3	8.2	12	19	24	1.4
28	1.3	25	51	26	75	59	6.8	8.2	14	19	25	1.6
29	1.3	39	39	24	---	115	7.4	10	38	20	27	1.7
30	1.4	32	33	38	---	78	6.7	12	121	26	28	1.7
31	1.3	---	30	65	---	52	---	13	---	165	29	---
TOTAL	91.18	307.87	722	1,149	831	2,642	2,652.1	1,488.9	711	937	2,137	752.2
MEAN	2.94	10.3	23.3	37.1	29.7	85.2	88.4	48.0	23.7	30.2	68.9	25.1
MAX	10	39	76	184	75	331	458	477	121	165	555	135
MIN	0.73	0.97	12	12	19	25	6.7	6.3	11	12	19	1.2
CFSM	0.07	0.23	0.52	0.82	0.66	1.89	1.96	1.07	0.53	0.67	1.53	0.56
IN.	0.08	0.25	0.60	0.95	0.69	2.18	2.19	1.23	0.59	0.77	1.77	0.62

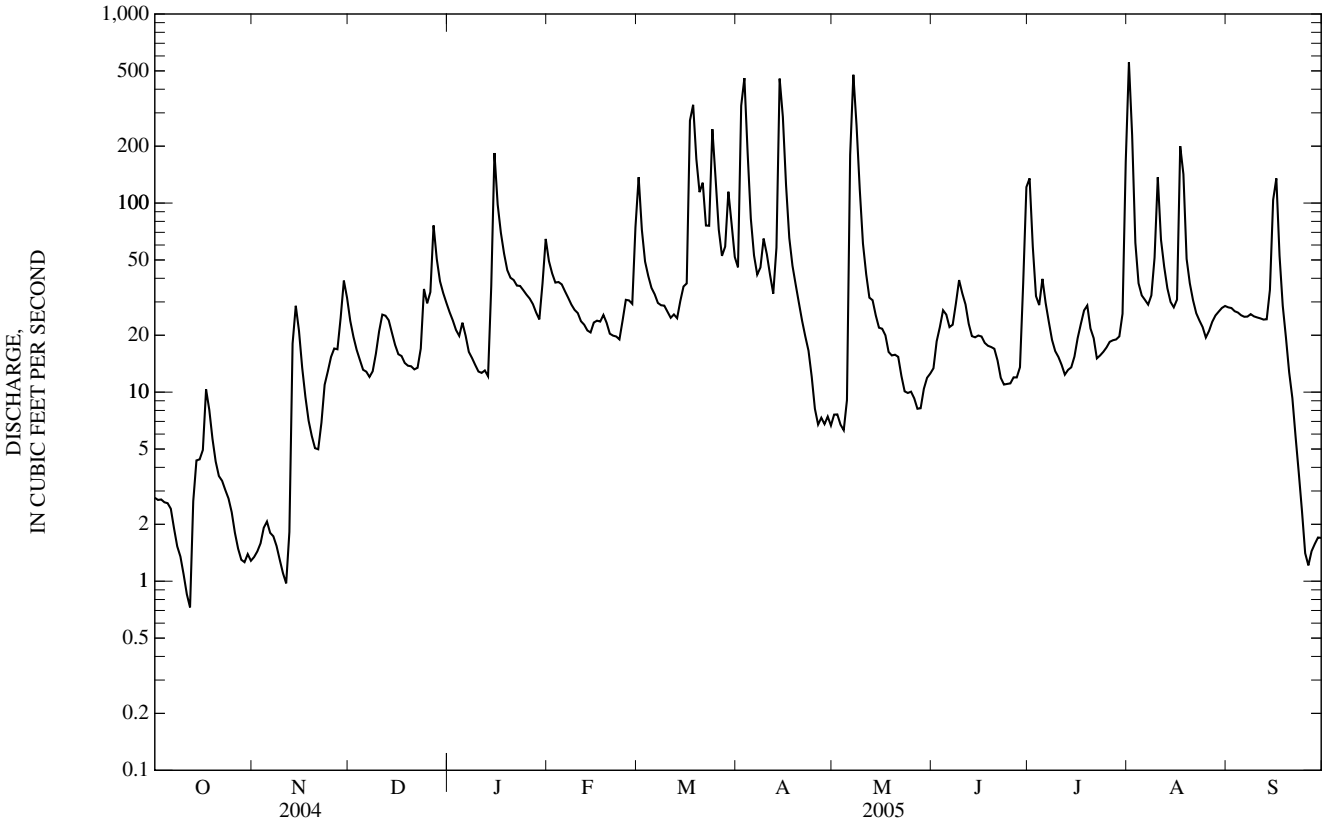
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005,@ BY WATER YEAR (WY)

MEAN	32.5	31.8	48.4	90.0	82.9	92.7	55.5	35.1	31.7	20.9	43.7	90.1
MAX	274	219	128	244	245	201	144	149	192	120	238	1,188
(WY)	(2000)	(1978)	(2004)	(1978)	(1998)	(1980)	(1978)	(2003)	(1995)	(1996)	(1992)	(1999)
MIN	0.27	1.23	4.41	6.85	19.7	18.0	4.49	0.65	0.00	0.89	0.00	0.02
(WY)	(1977)	(1982)	(2002)	(2003)	(1977)	(1981)	(1981)	(1985)	(1985)	(1998)	(1976)	(2002)

02084160 CHICOD CREEK AT SECONDARY ROAD 1760 NEAR SIMPSON, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1976 - 2005[@]	
ANNUAL TOTAL	14,131.45		14,421.25			
ANNUAL MEAN	38.6		39.5		54.0	
HIGHEST ANNUAL MEAN					129	1999
LOWEST ANNUAL MEAN					20.4	2001
HIGHEST DAILY MEAN	642	Aug 15	555	Aug 1	4,560	Sep 18, 1999
LOWEST DAILY MEAN	0.73	Oct 12	0.73	Oct 12	0.00	Jul 19, 1976
ANNUAL SEVEN-DAY MINIMUM	1.4	Oct 27	1.4	Oct 27	0.00	Jul 19, 1976
MAXIMUM PEAK FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			9.76	Apr 2	21.46	Sep 18, 1999
INSTANTANEOUS LOW FLOW					0.00*	Jul 19, 1976
ANNUAL RUNOFF (CFSM)	0.858		0.878		1.20	
ANNUAL RUNOFF (INCHES)	11.68		11.92		16.30	
10 PERCENT EXCEEDS	76		75		122	
50 PERCENT EXCEEDS	22		23		13	
90 PERCENT EXCEEDS	2.7		2.7		0.53	

[@] See PERIOD OF RECORD.
* See REMARKS.
e Estimated.



02084173 TAR RIVER AT SECONDARY ROAD 1565 NEAR GRIMESLAND, NC

LOCATION.--Lat 35°34'26", long 77°10'33", Pitt County, Hydrologic Unit 03020103, at bridge on Secondary Road 1565, approximately 1.1 mi northeast of Grimesland.

DRAINAGE AREA.--2,858 mi^2.

PERIOD OF RECORD.--May 2003 to current year.

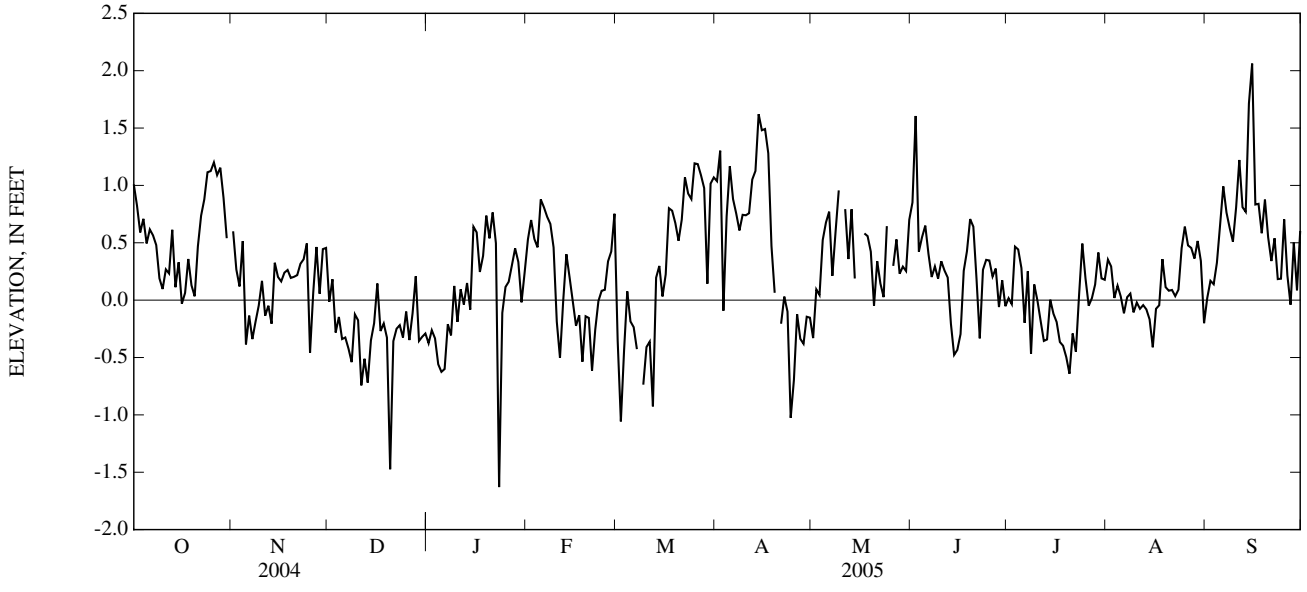
GAGE.--Water stage recorder. Elevation of gage is at NAVD of 1988 (levels by North Carolina Geodetic Survey). Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.15 ft, Sept. 18, 2003; minimum elevation, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2.82 ft, Sept. 14; minimum elevation, not determined.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.01	0.60	-0.01	-0.38	0.53	-0.35	1.04	-0.33	0.85	0.02	0.35	0.02
2	0.82	0.27	0.18	-0.26	0.70	-1.06	1.30	0.09	1.61	-0.04	0.29	0.17
3	0.59	0.12	-0.28	-0.33	0.53	-0.44	-0.09	0.04	0.42	0.47	0.02	0.14
4	0.71	0.51	-0.15	-0.56	0.46	0.08	0.73	0.52	0.55	0.44	0.13	0.33
5	0.49	-0.39	-0.34	-0.63	0.88	-0.19	1.17	0.68	0.65	0.28	0.03	0.66
6	0.62	-0.14	-0.33	-0.60	0.81	-0.24	0.88	0.77	0.40	-0.20	-0.11	0.99
7	0.56	-0.34	-0.42	-0.21	0.73	-0.43	0.75	0.21	0.20	0.25	0.03	0.76
8	0.48	-0.19	-0.54	-0.31	0.66	---	0.61	0.59	0.29	-0.47	0.06	0.63
9	0.19	-0.05	-0.12	0.12	0.46	-0.74	0.74	0.96	0.19	0.14	-0.11	0.51
10	0.10	0.17	-0.18	-0.19	-0.19	-0.41	0.74	---	0.34	0.00	-0.02	0.81
11	0.27	-0.14	-0.74	0.09	-0.50	-0.36	0.76	0.79	0.26	-0.18	-0.08	1.22
12	0.23	-0.05	-0.51	-0.04	-0.01	-0.93	1.05	0.36	0.20	-0.36	-0.04	0.81
13	0.61	-0.21	-0.72	0.15	0.40	0.20	1.13	0.79	-0.21	-0.34	-0.08	0.77
14	0.11	0.33	-0.35	-0.08	0.20	0.30	1.62	0.19	-0.48	0.00	-0.17	1.71
15	0.33	0.20	-0.20	0.64	-0.01	0.03	1.48	---	-0.43	-0.12	-0.41	2.06
16	-0.03	0.16	0.14	0.59	-0.22	0.23	1.49	---	-0.30	-0.19	-0.08	0.83
17	0.06	0.24	-0.27	0.25	-0.13	0.80	1.28	0.58	0.26	-0.37	-0.04	0.84
18	0.36	0.26	-0.20	0.39	-0.54	0.78	0.47	0.56	0.43	-0.40	0.36	0.58
19	0.13	0.19	-0.33	0.74	-0.14	0.67	0.06	0.42	0.71	-0.50	0.11	0.88
20	0.03	0.20	-1.47	0.54	-0.15	0.52	---	-0.05	0.64	-0.64	0.08	0.55
21	0.47	0.22	-0.36	0.76	-0.61	0.70	-0.21	0.34	0.18	-0.29	0.09	0.34
22	0.74	0.32	-0.25	0.50	-0.26	1.07	0.03	0.14	-0.33	-0.45	0.04	0.54
23	0.88	0.36	-0.22	-1.63	-0.01	0.93	-0.10	0.03	0.27	0.05	0.09	0.18
24	1.11	0.49	-0.33	-0.11	0.08	0.88	-1.03	0.65	0.35	0.49	0.45	0.19
25	1.12	-0.46	-0.10	0.11	0.09	1.19	-0.70	---	0.35	0.19	0.64	0.70
26	1.20	0.07	-0.35	0.16	0.34	1.19	-0.12	0.30	0.21	-0.05	0.48	0.22
27	1.09	0.46	-0.12	0.31	0.42	1.09	-0.34	0.53	0.28	0.02	0.46	-0.04
28	1.15	0.06	0.21	0.45	0.75	0.98	-0.38	0.23	-0.06	0.14	0.36	0.50
29	0.89	0.44	-0.36	0.33	---	0.14	-0.14	0.29	0.17	0.42	0.52	0.09
30	0.54	0.46	-0.32	-0.02	---	1.02	-0.15	0.25	-0.05	0.19	0.34	0.60
31	---	---	-0.29	0.25	---	1.07	---	0.70	---	0.18	-0.20	---
MEAN	---	0.14	-0.30	0.03	0.19	---	---	---	0.27	-0.04	0.12	0.62
MAX	---	0.60	0.21	0.76	0.88	---	---	---	1.61	0.49	0.64	2.06
MIN	---	-0.46	-1.47	-1.63	-0.61	---	---	---	-0.48	-0.64	-0.41	-0.04



0208436195 TRANTERS CREEK AT SECONDARY ROAD 1567 NEAR WASHINGTON, NC

LOCATION.--Lat 35°33'47", long 77°05'10", Beaufort County, Hydrologic Unit 03020103, on Secondary Road 1567, 2 mi northwest of Washington.

DRAINAGE AREA.--246 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--June 2003 to current year.

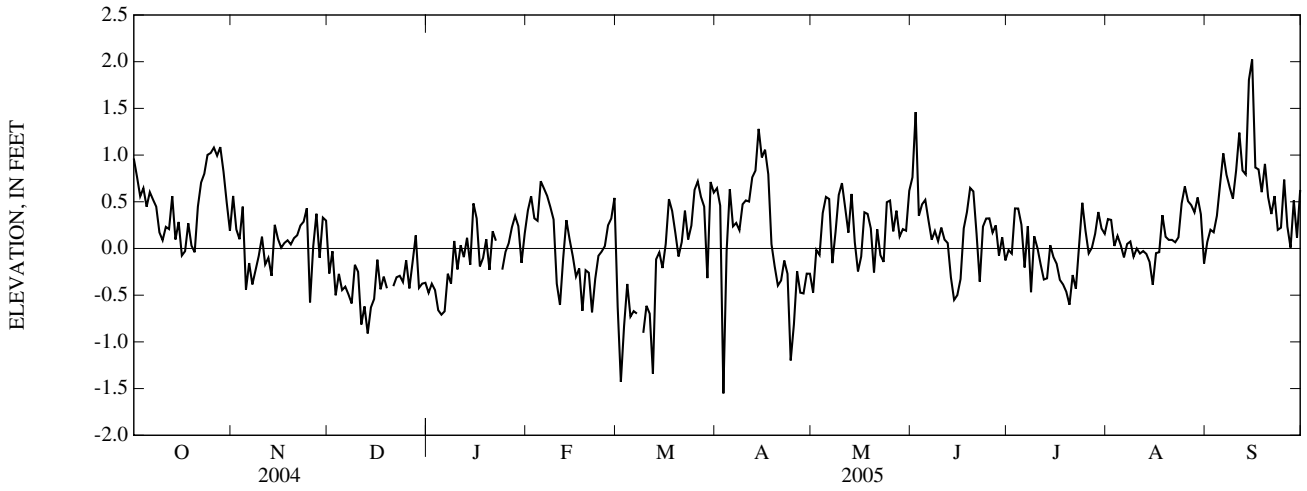
GAGE.--Water-stage recorder. Datum of gage is sea level, NAVD 1988 (levels by North Carolina Geodetic Survey).

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded, 4.97 ft, Sept. 18, 2003; minimum recorded, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum recorded, 2.98 ft, Sept. 14; minimum recorded, not determined.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.96	0.56	-0.27	-0.47	0.41	-0.62	0.65	-0.47	0.76	-0.02	0.31	0.07
2	0.77	0.20	-0.03	-0.38	0.56	-1.43	0.46	-0.02	1.46	-0.06	0.31	0.20
3	0.56	0.10	-0.50	-0.45	0.32	-0.83	-1.55	-0.07	0.35	0.43	0.03	0.17
4	0.65	0.45	-0.27	-0.66	0.30	-0.38	-0.03	0.38	0.47	0.43	0.13	0.35
5	0.45	-0.44	-0.45	-0.71	0.72	-0.73	0.63	0.55	0.52	0.25	0.04	0.69
6	0.60	-0.16	-0.41	-0.67	0.64	-0.67	0.24	0.53	0.30	-0.20	-0.10	1.02
7	0.52	-0.39	-0.49	-0.27	0.56	-0.70	0.27	-0.16	0.09	0.24	0.05	0.79
8	0.45	-0.23	-0.59	-0.38	0.44	---	0.20	0.18	0.19	-0.47	0.07	0.65
9	0.17	-0.08	-0.17	0.08	0.31	-0.90	0.47	0.57	0.08	0.13	-0.09	0.53
10	0.09	0.13	-0.25	-0.22	-0.38	-0.61	0.51	0.70	0.22	0.00	0.00	0.83
11	0.23	-0.17	-0.81	0.03	-0.60	-0.70	0.50	0.44	0.10	-0.17	-0.05	1.24
12	0.21	-0.10	-0.62	-0.09	-0.11	-1.34	0.76	0.17	0.06	-0.33	-0.03	0.83
13	0.56	-0.29	-0.91	0.11	0.30	-0.12	0.83	0.58	-0.31	-0.32	-0.06	0.79
14	0.10	0.25	-0.63	-0.17	0.10	-0.04	1.28	0.07	-0.55	0.04	-0.14	1.81
15	0.28	0.10	-0.54	0.48	-0.08	-0.21	0.97	-0.25	-0.50	-0.09	-0.39	2.02
16	-0.08	0.01	-0.12	0.32	-0.30	0.05	1.06	-0.09	-0.33	-0.16	-0.05	0.87
17	-0.03	0.06	-0.44	-0.19	-0.21	0.53	0.79	0.39	0.21	-0.34	-0.04	0.85
18	0.27	0.09	-0.30	-0.10	-0.67	0.40	0.05	0.37	0.39	-0.39	0.36	0.60
19	0.03	0.04	-0.43	0.10	-0.23	0.17	-0.19	0.22	0.65	-0.46	0.13	0.91
20	-0.04	0.11	---	-0.23	-0.26	-0.09	-0.40	-0.26	0.61	-0.60	0.09	0.55
21	0.45	0.14	-0.40	0.18	-0.68	0.07	-0.34	0.21	0.16	-0.28	0.09	0.37
22	0.71	0.25	-0.31	0.08	-0.33	0.40	-0.13	-0.07	-0.36	-0.43	0.07	0.56
23	0.80	0.29	-0.29	---	-0.08	0.10	-0.27	-0.14	0.23	0.04	0.12	0.20
24	1.00	0.43	-0.36	-0.23	-0.03	0.25	-1.20	0.50	0.32	0.49	0.48	0.22
25	1.02	-0.58	-0.13	-0.04	0.03	0.63	-0.81	0.51	0.32	0.19	0.66	0.74
26	1.08	0.02	-0.43	0.06	0.25	0.72	-0.24	0.18	0.17	-0.05	0.51	0.23
27	0.99	0.37	-0.15	0.23	0.32	0.55	-0.47	0.40	0.25	0.01	0.46	0.01
28	1.09	-0.10	0.14	0.35	0.54	0.45	-0.48	0.13	-0.08	0.16	0.39	0.51
29	0.82	0.33	-0.42	0.24	---	-0.32	-0.27	0.21	0.12	0.39	0.55	0.12
30	0.49	0.30	-0.38	-0.15	---	0.71	-0.27	0.19	-0.13	0.21	0.37	0.63
31	0.19	---	-0.37	0.16	---	0.60	---	0.62	---	0.16	-0.16	---
MEAN	0.50	0.06	---	---	0.07	---	0.10	0.21	0.19	-0.04	0.13	0.65
MAX	1.09	0.56	---	---	0.72	---	1.28	0.70	1.46	0.49	0.66	2.02
MIN	-0.08	-0.58	---	---	-0.68	---	-1.55	-0.47	-0.55	-0.60	-0.39	0.01



0208436195 TRANTERS CREEK AT SECONDARY ROAD 1567 NEAR WASHINGTON, NC—Continued

PRECIPITATION RECORDS

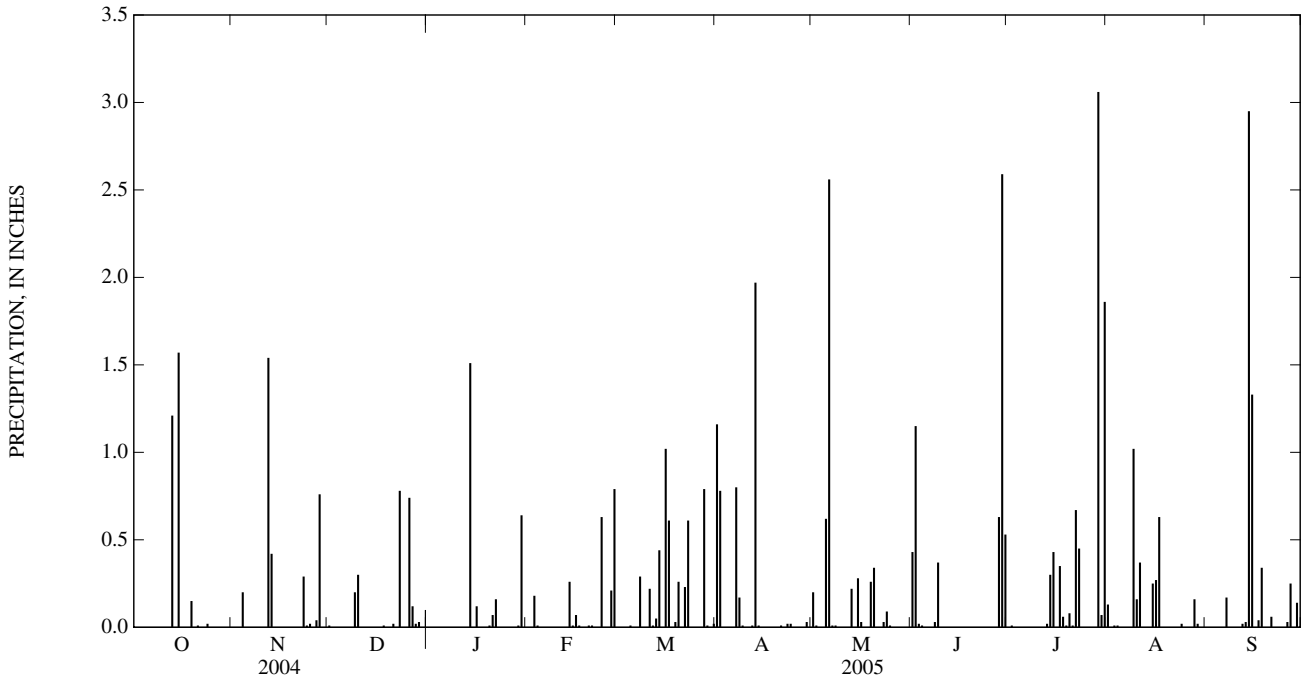
PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.01	0.00	0.00	0.00	1.16	0.20	0.43	0.00	0.13	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.01	1.15	0.01	0.00	0.00
3	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.02	0.00	0.01	0.00
4	0.00	0.20	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00
5	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.62	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.01	0.00	0.00	0.00	0.17
8	0.00	0.00	0.00	0.00	0.00	0.29	0.17	0.01	0.03	0.00	0.00	0.00
9	0.00	0.00	0.20	0.00	0.00	0.00	0.01	0.00	0.37	0.00	1.02	0.00
10	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
11	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.37	0.00
12	0.00	1.54	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02
13	1.21	0.42	0.00	0.00	0.00	0.05	1.97	0.22	0.00	0.02	0.00	0.03
14	0.00	0.00	0.00	1.51	0.26	0.44	0.01	0.00	0.00	0.30	0.00	2.95
15	1.57	0.00	0.00	0.00	0.01	0.00	0.00	0.28	0.00	0.43	0.25	1.33
16	0.00	0.00	0.00	0.12	0.07	1.02	0.00	0.03	0.00	0.00	0.27	0.00
17	0.00	0.00	0.00	0.00	0.01	0.61	0.00	0.00	0.00	0.35	0.63	0.04
18	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.34
19	0.15	0.00	0.00	0.00	0.00	0.03	0.00	0.26	0.00	0.01	0.00	0.00
20	0.00	0.00	0.00	0.01	0.01	0.26	0.00	0.34	0.00	0.08	0.00	0.00
21	0.01	0.00	0.02	0.07	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.06
22	0.00	0.00	0.00	0.16	0.00	0.23	0.00	0.00	0.00	0.67	0.00	0.00
23	0.00	0.29	0.78	0.00	0.00	0.61	0.02	0.03	0.00	0.45	0.00	0.00
24	0.02	0.01	0.00	0.00	0.63	0.00	0.02	0.09	0.00	0.00	0.02	0.00
25	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
26	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
27	0.00	0.04	0.12	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.25
28	0.00	0.76	0.02	0.00	0.79	0.79	0.00	0.00	0.63	0.00	0.16	0.00
29	0.00	0.00	0.03	0.01	---	0.01	0.03	0.00	2.59	3.06	0.02	0.14
30	0.00	0.00	0.00	0.64	---	0.00	0.00	0.00	0.53	0.07	0.00	0.00
31	0.00	---	0.00	0.00	---	0.02	---	0.00	---	1.86	0.00	---
TOTAL	2.96	3.28	2.23	2.52	2.19	4.60	4.99	4.67	5.76	7.38	3.05	5.36



02084472 PAMLICO RIVER AT WASHINGTON, NC

LOCATION.--Lat 35°32'36", long 77°03'43", Beaufort County, Hydrologic Unit 03020104, at bridge on US Highway 17 at Washington, and 0.7 mi downstream of Kennedy Creek.

DRAINAGE AREA.--3,200 mi^2.

PERIOD OF RECORD.--October 1999 to current year. Daily mean elevations published March 1988 to May 1993.
REVISED RECORDS.--WRD NC-00-1B: Drainage area.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records poor. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. Mean daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 83,000 ft^3/s, Sept. 21, 1999, maximum gage height, 8.14 ft, Sept. 16, 1999; minimum discharge, -90,800 ft^3/s, Sept. 4, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,000 ft^3/s, Apr. 2, maximum gage height 4.04 ft, Sept. 14; minimum discharge, -14,800 ft^3/s, Sept. 14.

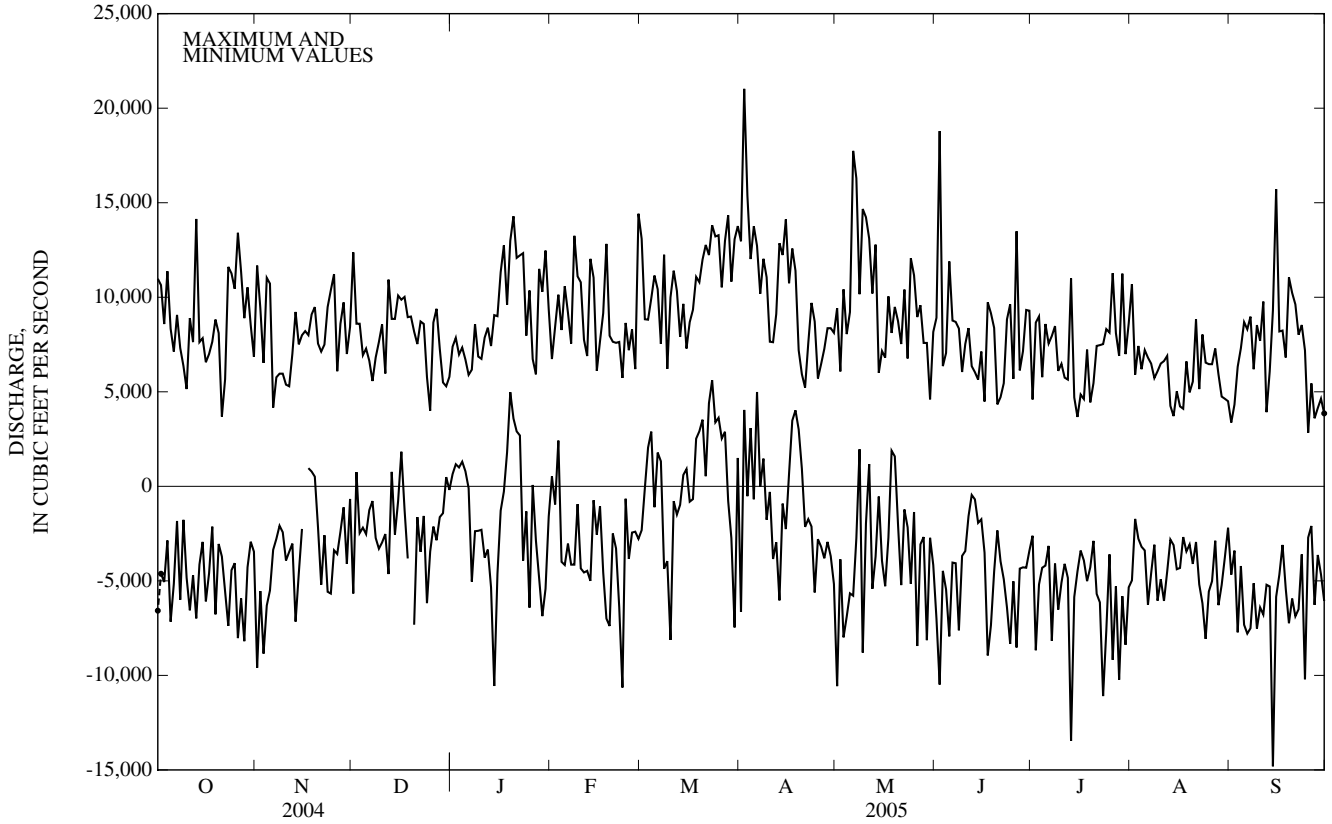
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11,000	-6,570	11,700	-9,600	12,400	-5,670	7,390	649	6,730	528	13,100	-2,320
2	10,600	-4,620	9,420	-5,540	8,600	751	7,850	1,170	8,450	-957	8,840	-90
3	8,580	-5,060	6,530	-8,850	8,600	-2,470	6,970	998	10,100	2,420	8,810	2,050
4	11,400	-2,860	11,000	-6,310	6,940	-2,190	7,340	1,300	8,270	-3,990	9,940	2,890
5	8,340	-7,160	10,700	-5,510	7,280	-2,530	6,700	796	10,600	-4,160	11,100	-1,100
6	7,130	-5,160	4,170	-3,360	6,640	-1,260	5,900	-99	9,180	-3,030	10,400	1,790
7	9,070	-1,830	5,770	-2,780	5,570	-780	6,170	-5,040	7,550	-4,140	7,530	1,320
8	7,320	-6,000	5,960	-2,090	6,820	-2,730	8,580	-2,370	13,300	-4,140	12,300	-4,360
9	6,370	-1,770	5,960	-2,430	7,630	-3,300	6,860	-2,350	11,100	-940	6,210	-3,960
10	5,140	-4,840	5,380	-3,920	8,560	-2,970	6,740	-2,300	10,800	-4,340	10,000	-8,120
11	8,900	-6,560	5,290	-3,470	5,970	-2,520	7,870	-3,770	7,750	-4,560	11,400	-785
12	7,630	-4,700	7,020	-3,030	10,900	-4,640	8,390	-3,350	6,890	-4,470	10,300	-1,490
13	14,100	-6,980	9,220	-7,150	8,860	764	7,420	-5,350	12,000	-5,000	7,900	-980
14	7,630	-4,130	7,510	-4,610	8,860	-2,550	9,050	-10,600	11,000	-736	9,650	600
15	7,830	-2,940	7,990	-2,250	10,100	-776	9,000	-4,630	6,110	-2,560	7,290	915
16	6,560	-6,080	8,210	---	9,870	1,830	11,300	-1,280	7,680	-1,050	8,680	-813
17	7,000	-4,600	8,000	960	10,000	-1,220	12,700	-275	9,160	-4,550	9,340	-678
18	7,640	-2,130	9,090	783	8,950	-3,820	9,610	1,800	12,800	-6,990	11,100	2,520
19	8,820	-6,770	9,480	514	8,980	---	13,000	4,980	7,970	-7,390	10,800	2,910
20	8,110	-3,050	7,550	-2,180	8,180	-7,320	14,300	3,590	7,650	-2,500	12,000	3,520
21	3,690	-3,710	7,130	-5,200	7,530	-1,630	12,100	2,910	7,590	-3,280	12,800	536
22	5,670	-5,570	7,500	-2,590	8,720	-3,460	12,200	2,690	7,640	-6,400	12,200	4,390
23	11,600	-7,380	9,490	-5,580	8,590	-1,570	12,300	-3,930	5,730	-10,600	13,800	5,610
24	11,300	-4,430	10,400	-5,670	5,780	-6,180	7,970	-1,330	8,640	-655	13,200	3,380
25	10,400	-4,070	11,200	-3,380	4,000	-3,460	10,400	-6,410	7,200	-3,840	13,300	3,630
26	13,400	-8,030	6,090	-3,580	8,660	-2,130	6,730	73	8,300	-2,450	10,500	2,530
27	11,300	-5,930	8,600	-2,400	9,390	-2,850	5,920	-2,880	6,200	-2,400	13,000	2,890
28	8,890	-8,190	9,730	-1,110	7,280	-1,630	11,500	-4,860	14,400	-2,770	14,300	-775
29	10,500	-4,280	7,000	-4,110	5,490	-1,420	10,300	-6,870	---	---	10,800	-2,740
30	8,520	-2,930	8,430	-667	5,290	487	12,500	-5,420	---	---	13,100	-7,460
31	6,850	-3,460	---	---	5,790	-188	9,360	-1,590	---	---	13,800	1,500
MONTH	14,100	-8,190	11,700	---	12,400	---	14,300	-10,600	14,400	-10,600	14,300	-8,120

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13,000	-6,640	9,420	-10,600	8,910	-6,990	4,590	-2,610	10,700	-4,980	3,380	-4,670
2	21,000	4,040	6,080	-3,860	18,800	-10,500	8,660	-8,670	5,910	-1,720	4,320	-3,400
3	15,400	-522	10,400	-7,990	6,360	-4,470	8,990	-5,190	7,420	-2,770	6,330	-7,720
4	12,000	3,080	8,050	-6,890	7,050	-5,450	5,770	-4,310	6,200	-3,200	7,310	-4,220
5	13,800	-685	9,220	-5,660	11,900	-7,940	8,590	-4,190	7,200	-3,390	8,680	-7,320
6	12,700	4,990	17,700	-5,780	8,770	-4,030	7,560	-3,150	6,810	-6,270	8,310	-7,790
7	10,200	-18	16,300	-2,740	8,700	-4,070	7,950	-8,170	6,490	-4,590	8,970	-7,510
8	12,000	1,470	10,200	1,960	8,350	-7,620	8,470	-4,090	5,730	-3,090	6,200	-5,130
9	11,100	-1,770	14,700	-8,790	6,050	-3,680	6,110	-6,520	6,090	-6,050	8,530	-7,520
10	7,650	-295	14,200	-1,960	7,530	-3,420	6,480	-5,100	6,490	-4,910	7,690	-6,410
11	7,620	-3,840	13,100	1,180	8,370	-1,580	5,750	-4,100	6,630	-6,060	9,770	-6,780
12	9,120	-2,960	10,200	-5,420	6,350	-455	5,650	-4,840	6,900	-4,510	3,920	-5,210
13	12,900	-6,030	12,800	-3,710	6,040	-692	11,000	-13,500	4,250	-2,820	6,080	-5,300
14	12,200	-914	6,000	-540	5,640	-1,930	4,700	-5,850	3,720	-3,110	9,310	-14,800
15	14,100	-2,260	7,160	-3,940	7,130	-1,740	3,670	-4,510	5,020	-4,380	15,700	-5,850
16	10,700	665	6,810	-5,280	4,490	-3,510	4,860	-3,400	4,230	-4,320	8,190	-4,670
17	12,600	3,480	10,000	-2,720	9,730	-8,940	4,620	-3,920	4,100	-2,680	8,240	-3,100
18	11,400	4,020	8,110	1,880	9,160	-7,340	7,230	-5,020	6,610	-3,440	6,810	-5,410
19	7,200	3,010	9,490	1,580	8,380	-4,510	4,440	-4,290	4,970	-3,080	11,100	-7,240
20	5,930	930	8,740	-2,010	4,330	-2,330	5,460	-2,880	5,540	-4,100	10,200	-5,940
21	5,220	-2,140	7,530	-5,220	4,710	-3,970	7,430	-5,690	8,830	-2,940	9,620	-6,870
22	7,570	-1,740	10,400	-1,230	5,450	-4,910	7,470	-6,140	5,140	-5,190	8,020	-6,500
23	9,700	-2,130	6,760	-2,170	8,830	-6,410	7,520	-11,100	8,030	-6,180	8,530	-3,600
24	8,710	-5,610	12,100	-5,160	9,620	-8,330	8,320	-7,630	6,540	-8,070	7,190	-10,200
25	5,710	-2,790	11,200	-1,360	5,690	-5,020	8,130	-3,600	6,460	-5,560	2,830	-2,710
26	6,460	-3,190	8,950	-8,450	13,500	-8,520	11,300	-9,180	6,460	-5,020	5,440	-2,100
27	7,270	-3,810	9,580	-3,070	6,130	-4,350	8,100	-5,290	7,290	-2,880	3,600	-6,270
28	8,360	-2,940	7,580	-2,680	7,140	-4,290	6,900	-10,200	5,930	-6,280	4,140	-3,630
29	8,360	-3,690	7,580	-8,140	9,330	-4,310	11,200	-5,810	4,750	-5,220	4,640	-4,660
30	8,120	-5,170	4,600	-2,720	9,290	-3,400	6,990	-8,380	4,630	-3,760	3,860	-6,060
31	---	---	8,170	-4,170	---	---	8,620	-5,340	4,500	-2,190	---	---
MONTH	21,000	-6,640	17,700	-10,600	18,800	-10,500	11,300	-13,500	10,700	-8,070	15,700	-14,800



02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962 to 1967, 1999 to current year.

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM): April 1999 to current year.
pH (TOP AND BOTTOM): April 1999 to current year.
WATER TEMPERATURE (TOP AND BOTTOM): April 1999 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM): April 1999 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): April 1999 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from April 1999 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000. Daily records of salinity and water temperature for October 1961 to September 1967 are available in the files of the USGS Water Science Center, Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	14.4, January 3, 2002	<0.1, on many days during the period
SALINITY (BOTTOM), ppt	15.1, October 24, 2002	<0.1, on many days during the period
pH (TOP), standard units	9.1, July 19, 20, 1999	5.4, August 19, 2001
pH (BOTTOM), standard units	8.8, July 2, 3, 4, 1999, September 8, 11, 2005	5.3, September 11, 12, 13, 1999
WATER TEMPERATURE (TOP), °C	34.1, July 31, 1999	0.4, January 24, 2003
WATER TEMPERATURE (BOTTOM), °C	32.6, July 31, 1999	0.5, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	15.3, November 22, 2001	<1.0 on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	13.6, January 23, 2005	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	6.1, February 4	0.03, on many days during the year
SALINITY (BOTTOM), ppt	9.0, January 10, 11	0.03, on many days during the year
pH (TOP), standard units	8.9, September 3, 8	6.2, May 9
pH (BOTTOM), standard units	8.8, September 8, 11	6.1, January 22
WATER TEMPERATURE (TOP), °C	33.6, July 27	1.3, January 24
WATER TEMPERATURE (BOTTOM), °C	31.8, July 29	1.6, January 24
DISSOLVED OXYGEN (TOP), mg/L	12.6, January 30	1.1, September 19
DISSOLVED OXYGEN (BOTTOM), mg/L	13.6, January 23	0.1, September 19
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	150, July 16	14, November 9, September 19
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	120, September 8	1, September 19

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	0.04	0.04	0.04	4.2	0.40	1.6	0.04	0.04	0.04	0.09	0.05	0.05
2	0.04	0.04	0.04	1.9	0.12	0.85	0.04	0.04	0.04	0.06	0.05	0.05
3	0.05	0.04	0.04	2.4	0.06	0.80	0.04	0.04	0.04	0.06	0.05	0.05
4	0.05	0.05	0.05	1.9	0.16	1.0	0.04	0.04	0.04	0.11	0.05	0.06
5	0.05	0.05	0.05	1.2	0.05	0.45	0.06	0.04	0.04	0.19	0.05	0.09
6	0.05	0.05	0.05	2.0	0.22	0.49	0.05	0.04	0.04	0.21	0.06	0.11
7	0.05	0.04	0.05	2.0	0.21	0.58	0.05	0.04	0.04	1.8	0.05	0.32
8	0.05	0.04	0.04	2.0	0.13	0.80	0.22	0.04	0.06	1.1	0.09	0.25
9	0.05	0.04	0.05	5.6	0.19	2.7	0.37	0.04	0.07	1.9	0.17	0.58
10	0.05	0.05	0.05	5.7	0.30	2.4	0.32	0.04	0.06	2.4	0.15	0.33
11	0.05	0.05	0.05	3.5	0.37	1.1	0.07	0.04	0.04	5.8	0.38	1.9
12	0.05	0.05	0.05	2.7	0.22	1.00	0.43	0.04	0.11	1.6	0.15	0.71
13	0.05	0.05	0.05	1.7	0.05	0.41	0.07	0.04	0.05	1.2	0.06	0.50
14	0.05	0.05	0.05	2.9	0.06	0.70	0.38	0.04	0.07	0.42	0.05	0.11
15	0.05	0.05	0.05	1.6	0.05	0.28	0.04	0.03	0.04	0.32	0.04	0.07
16	0.05	0.05	0.05	0.18	0.05	0.07	0.03	0.03	0.03	0.06	0.04	0.05
17	0.05	0.05	0.05	0.09	0.05	0.06	0.09	0.03	0.04	0.04	0.04	0.04
18	0.05	0.04	0.05	0.19	0.04	0.06	0.36	0.03	0.07	0.04	0.03	0.03
19	0.04	0.04	0.04	0.13	0.04	0.05	0.74	0.04	0.10	0.03	0.03	0.03
20	0.04	0.04	0.04	0.45	0.04	0.11	0.64	0.04	0.12	0.03	0.03	0.03
21	3.4	0.04	0.65	2.7	0.04	0.51	0.33	0.04	0.08	0.03	0.03	0.03
22	5.7	0.18	2.3	1.4	0.05	0.41	0.06	0.04	0.04	0.03	0.03	0.03
23	5.9	0.63	2.6	1.0	0.04	0.37	0.04	0.04	0.04	0.15	0.03	0.05
24	5.7	0.31	2.0	0.69	0.04	0.18	0.05	0.04	0.04	0.07	0.03	0.04
25	3.9	0.23	1.2	0.18	0.04	0.06	0.87	0.04	0.17	0.29	0.03	0.08
26	5.1	0.06	1.9	0.29	0.04	0.10	2.0	0.05	0.30	0.04	0.04	0.04
27	4.7	0.05	1.4	0.12	0.04	0.05	1.9	0.05	0.36	2.7	0.04	0.34
28	4.7	0.21	2.2	0.08	0.04	0.05	0.53	0.05	0.16	5.8	0.14	1.8
29	3.0	0.10	0.84	0.54	0.04	0.10	0.33	0.05	0.07	3.2	0.13	0.98
30	1.8	0.07	0.53	0.09	0.04	0.05	0.08	0.04	0.05	1.1	0.04	0.17
31	2.2	0.07	0.62	---	---	---	0.11	0.05	0.06	2.5	0.04	0.52
MONTH	5.9	0.04	0.55	5.7	0.04	0.58	2.0	0.03	0.08	5.8	0.03	0.30
		FEBRUARY			MARCH			APRIL			MAY	
1	0.60	0.06	0.13	0.06	0.04	0.05	0.04	0.03	0.04	0.05	0.05	0.05
2	4.3	0.06	0.62	0.05	0.04	0.04	0.04	0.03	0.03	0.05	0.05	0.05
3	0.30	0.05	0.07	0.04	0.04	0.04	0.03	0.03	0.03	0.05	0.05	0.05
4	6.1	0.05	1.0	0.04	0.04	0.04	0.03	0.03	0.03	0.05	0.05	0.05
5	5.6	0.28	1.7	0.04	0.04	0.04	0.03	0.03	0.03	0.05	0.05	0.05
6	4.8	0.16	0.86	0.04	0.04	0.04	0.03	0.03	0.03	0.06	0.05	0.05
7	1.2	0.12	0.25	0.05	0.04	0.04	0.04	0.03	0.03	0.05	0.04	0.05
8	1.4	0.04	0.18	0.05	0.04	0.04	0.04	0.03	0.04	0.05	0.04	0.04
9	0.08	0.04	0.05	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
10	0.36	0.04	0.09	0.64	0.04	0.08	0.04	0.04	0.04	0.04	0.04	0.04
11	1.1	0.04	0.31	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
12	0.87	0.05	0.17	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
13	0.88	0.05	0.22	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
14	0.07	0.04	0.05	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
15	0.08	0.04	0.05	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
16	0.36	0.05	0.06	0.04	0.03	0.03	0.04	0.03	0.04	0.05	0.04	0.04
17	1.8	0.09	0.28	0.04	0.03	0.03	0.04	0.03	0.04	0.05	0.04	0.05
18	2.8	0.05	0.65	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
19	2.2	0.05	0.53	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
20	0.56	0.05	0.16	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
21	0.47	0.05	0.10	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
22	1.3	0.06	0.40	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
23	1.1	0.05	0.40	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
24	0.52	0.05	0.16	0.04	0.03	0.03	0.05	0.04	0.04	0.04	0.04	0.04
25	1.4	0.05	0.23	0.04	0.03	0.03	0.05	0.04	0.05	0.04	0.04	0.04
26	0.80	0.05	0.13	0.04	0.03	0.04	0.05	0.05	0.05	0.04	0.04	0.04
27	1.5	0.05	0.28	0.04	0.03	0.03	0.05	0.04	0.05	0.04	0.04	0.04
28	0.76	0.04	0.15	0.04	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04
29	---	---	---	0.04	0.03	0.04	0.05	0.05	0.05	0.04	0.04	0.04
30	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
31	---	---	---	0.04	0.03	0.04	---	---	---	0.05	0.04	0.04
MONTH	6.1	0.04	0.33	0.64	0.03	0.04	0.05	0.03	0.04	0.06	0.04	0.04

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.04	0.04	0.04	0.06	0.05	0.06	0.20	0.05	0.06	0.38	0.06	0.19
2	0.20	0.04	0.07	0.06	0.05	0.05	0.05	0.04	0.05	0.55	0.11	0.26
3	0.05	0.04	0.04	0.06	0.05	0.05	0.06	0.04	0.05	1.3	0.06	0.52
4	0.05	0.04	0.05	0.06	0.05	0.05	0.24	0.04	0.07	1.4	0.37	0.77
5	0.06	0.05	0.05	0.06	0.05	0.05	0.10	0.04	0.05	1.8	0.38	1.1
6	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.04	0.05	1.8	0.95	1.4
7	0.05	0.05	0.05	0.06	0.05	0.06	0.07	0.04	0.05	1.6	0.76	1.2
8	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.04	0.05	1.9	0.55	1.0
9	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.04	0.05	1.9	0.53	0.99
10	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.05	0.05	2.1	0.73	1.4
11	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.05	0.05	2.6	1.3	1.9
12	0.05	0.04	0.05	0.06	0.05	0.06	0.06	0.05	0.05	1.9	0.99	1.3
13	0.04	0.04	0.04	0.08	0.05	0.06	0.06	0.05	0.05	1.5	0.99	1.2
14	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.05	0.05	2.7	1.1	2.0
15	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.05	0.05	2.6	1.1	2.1
16	0.05	0.04	0.04	0.06	0.05	0.06	0.12	0.05	0.07	1.4	0.47	0.85
17	0.63	0.04	0.24	0.06	0.05	0.06	0.05	0.05	0.05	---	---	---
18	0.86	0.05	0.40	0.06	0.06	0.06	0.06	0.05	0.05	1.0	0.29	0.54
19	0.95	0.11	0.51	0.06	0.06	0.06	0.06	0.05	0.05	1.3	0.31	0.95
20	0.54	0.10	0.27	0.16	0.06	0.07	0.06	0.05	0.05	1.0	0.29	0.67
21	0.59	0.05	0.11	1.2	0.07	0.34	0.06	0.05	0.06	1.1	0.15	0.50
22	0.40	0.05	0.16	0.71	0.06	0.38	0.07	0.05	0.06	0.78	0.27	0.49
23	0.96	0.09	0.60	1.2	0.06	0.40	0.54	0.05	0.17	0.65	0.18	0.34
24	0.80	0.19	0.54	1.1	0.06	0.45	0.90	0.05	0.39	0.97	0.16	0.47
25	0.56	0.24	0.40	1.2	0.07	0.30	0.71	0.29	0.44	0.92	0.56	0.66
26	0.75	0.08	0.32	0.93	0.07	0.38	0.61	0.08	0.25	0.82	0.22	0.36
27	0.39	0.13	0.27	1.4	0.04	0.48	0.50	0.07	0.19	0.83	0.09	0.36
28	0.23	0.07	0.13	1.8	0.07	0.73	0.40	0.08	0.15	0.76	0.40	0.58
29	0.10	0.05	0.07	1.6	0.07	0.57	0.31	0.07	0.17	0.74	0.18	0.39
30	0.06	0.06	0.06	0.59	0.05	0.10	0.22	0.06	0.12	1.1	0.56	0.80
31	---	---	---	0.45	0.05	0.11	0.11	0.06	0.07	---	---	---
MONTH	0.96	0.04	0.16	1.8	0.04	0.17	0.90	0.04	0.10	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	0.04	0.04	0.04	6.6	2.2	5.5	0.04	0.04	0.04	5.5	0.24	3.3
2	0.04	0.04	0.04	4.3	0.70	2.1	0.04	0.04	0.04	5.9	0.46	3.9
3	0.05	0.04	0.04	5.1	0.17	3.4	0.13	0.04	0.04	6.0	0.27	3.8
4	0.05	0.05	0.05	4.0	0.27	2.1	0.04	0.04	0.04	6.5	0.69	4.3
5	0.05	0.05	0.05	2.2	0.06	0.99	0.40	0.04	0.09	7.1	2.7	6.4
6	0.05	0.05	0.05	5.4	1.8	3.7	1.2	0.04	0.29	7.4	6.2	7.2
7	0.05	0.04	0.05	5.2	2.4	4.4	1.6	0.04	0.27	7.8	6.7	7.4
8	0.05	0.04	0.04	5.1	3.6	4.9	1.6	0.04	0.40	8.8	1.5	7.1
9	0.05	0.04	0.04	6.7	3.3	5.9	5.2	0.10	2.2	8.8	6.2	8.2
10	0.05	0.04	0.04	6.7	5.5	6.4	3.1	0.04	0.68	9.0	8.5	8.8
11	0.05	0.04	0.04	6.2	4.1	5.8	0.85	0.04	0.12	9.0	3.0	8.0
12	0.07	0.04	0.05	5.6	1.2	4.7	6.1	0.04	2.2	8.1	0.90	6.6
13	0.05	0.04	0.05	4.2	0.05	1.8	5.9	0.04	1.6	7.3	0.24	3.7
14	0.04	0.04	0.04	3.8	1.1	3.0	5.6	0.04	1.7	1.2	0.05	0.26
15	0.05	0.04	0.04	4.3	0.83	3.1	3.3	0.03	0.51	1.1	0.05	0.17
16	0.05	0.04	0.04	4.5	0.70	3.4	0.05	0.03	0.03	4.7	0.04	0.86
17	0.05	0.04	0.04	4.8	0.44	2.9	3.3	0.03	0.45	0.04	0.04	0.04
18	0.04	0.04	0.04	5.1	0.40	2.8	4.5	0.03	1.8	0.04	0.03	0.04
19	0.04	0.03	0.04	5.4	0.15	2.9	4.8	0.08	2.3	0.03	0.03	0.03
20	0.04	0.03	0.03	6.4	1.0	5.3	2.7	0.04	0.32	0.03	0.03	0.03
21	4.9	0.03	2.9	6.6	1.0	5.5	0.81	0.04	0.21	0.07	0.03	0.03
22	6.2	3.8	5.3	6.6	1.3	4.8	1.5	0.04	0.12	3.6	0.03	0.17
23	6.7	1.4	5.0	6.3	0.54	3.4	0.04	0.04	0.04	0.27	0.03	0.06
24	6.7	2.2	5.1	5.8	0.24	3.5	0.05	0.04	0.04	1.6	0.04	0.20
25	6.0	1.4	4.8	2.9	0.04	0.45	3.8	0.04	2.4	2.2	0.04	0.44
26	6.4	0.33	4.3	0.35	0.04	0.15	4.4	0.47	3.0	3.3	0.04	0.25
27	6.5	0.40	4.6	3.7	0.04	1.7	4.5	1.4	3.5	5.9	3.2	5.0
28	6.3	1.3	4.9	3.5	0.04	1.0	4.0	0.30	3.1	6.7	2.4	6.0
29	5.6	0.64	4.1	3.6	0.19	2.1	3.9	0.27	2.2	5.7	1.5	4.5
30	5.6	0.56	4.0	4.0	0.04	1.7	4.9	0.80	3.6	5.5	0.04	2.4
31	5.9	0.81	4.7	---	---	---	5.4	0.33	4.6	5.1	0.73	4.2
MONTH	6.7	0.03	1.6	6.7	0.04	3.3	6.1	0.03	1.2	9.0	0.03	3.3
		FEBRUARY			MARCH			APRIL			MAY	
1	4.9	1.0	4.1	1.9	0.04	0.22	0.04	0.03	0.03	0.05	0.05	0.05
2	6.6	1.6	5.5	0.05	0.04	0.04	0.04	0.03	0.03	0.05	0.05	0.05
3	6.7	0.53	4.8	0.04	0.04	0.04	0.03	0.03	0.03	0.05	0.05	0.05
4	8.1	1.9	6.8	0.04	0.04	0.04	0.04	0.03	0.03	0.05	0.05	0.05
5	7.8	5.1	7.4	0.04	0.04	0.04	0.03	0.03	0.03	0.05	0.05	0.05
6	8.1	3.0	7.5	0.04	0.04	0.04	0.03	0.03	0.03	0.10	0.05	0.05
7	8.2	7.1	7.9	6.0	0.04	0.85	0.04	0.03	0.03	0.05	0.04	0.05
8	8.0	0.04	1.9	0.05	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04
9	6.7	0.04	2.3	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
10	6.0	0.04	1.6	3.4	0.04	0.39	0.04	0.04	0.04	0.04	0.03	0.04
11	3.7	0.04	2.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
12	4.3	0.16	1.9	0.05	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
13	6.7	0.52	3.7	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
14	3.0	0.04	0.59	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
15	5.8	0.04	2.7	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
16	6.2	0.66	4.2	0.04	0.03	0.03	0.04	0.03	0.04	0.05	0.04	0.04
17	6.0	2.0	5.3	0.04	0.03	0.04	0.04	0.03	0.04	0.05	0.04	0.04
18	6.3	0.05	2.9	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
19	4.8	0.39	2.6	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
20	4.6	0.45	2.8	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
21	4.8	0.46	3.9	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
22	4.6	1.6	3.9	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
23	3.9	0.46	2.2	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
24	1.9	0.05	0.70	0.04	0.03	0.03	0.05	0.04	0.04	0.04	0.04	0.04
25	2.3	0.05	1.4	0.04	0.03	0.03	0.05	0.04	0.05	0.04	0.04	0.04
26	3.7	0.28	2.2	0.04	0.03	0.03	0.05	0.04	0.05	0.04	0.04	0.04
27	4.3	0.96	3.7	0.03	0.03	0.03	0.05	0.04	0.05	0.04	0.04	0.04
28	4.0	0.04	1.3	0.04	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04
29	---	---	---	0.04	0.03	0.04	0.05	0.05	0.05	0.04	0.04	0.04
30	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
31	---	---	---	0.04	0.03	0.04	---	---	---	0.04	0.04	0.04
MONTH	8.2	0.04	3.5	6.0	0.03	0.08	0.05	0.03	0.04	0.10	0.03	0.04

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.05	0.04	0.04	0.06	0.05	0.06	0.87	0.05	0.12	0.56	0.05	0.28
2	0.21	0.04	0.07	0.06	0.05	0.05	2.4	0.04	0.26	1.1	0.24	0.56
3	0.05	0.04	0.04	0.05	0.05	0.05	2.1	0.04	0.38	1.5	0.09	0.99
4	0.05	0.04	0.05	0.05	0.05	0.05	1.0	0.04	0.33	1.7	0.46	1.1
5	0.06	0.05	0.05	0.05	0.05	0.05	0.39	0.04	0.08	1.9	0.59	1.3
6	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	1.9	1.0	1.5
7	0.05	0.05	0.05	0.06	0.04	0.05	0.07	0.04	0.05	1.8	0.94	1.3
8	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.04	0.05	2.0	0.79	1.3
9	0.05	0.04	0.05	0.06	0.05	0.06	0.05	0.04	0.05	2.1	0.81	1.4
10	0.05	0.04	0.05	0.06	0.05	0.06	0.05	0.04	0.05	2.2	0.98	1.5
11	0.05	0.04	0.05	0.06	0.05	0.06	0.05	0.05	0.05	2.7	1.5	2.2
12	0.05	0.04	0.04	0.06	0.05	0.06	0.05	0.05	0.05	2.4	1.3	1.7
13	0.04	0.04	0.04	0.09	0.06	0.06	0.05	0.05	0.05	2.3	1.2	1.7
14	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.05	0.05	2.8	1.3	2.1
15	1.6	0.04	0.06	0.06	0.06	0.06	0.06	0.05	0.05	2.6	1.4	2.3
16	0.61	0.04	0.05	0.06	0.06	0.06	0.15	0.05	0.07	2.0	0.82	1.2
17	1.7	0.12	0.76	0.06	0.06	0.06	0.05	0.05	0.05	---	---	---
18	2.8	0.23	1.6	0.06	0.06	0.06	0.05	0.05	0.05	2.6	0.98	2.3
19	1.0	0.26	0.62	0.06	0.06	0.06	0.06	0.05	0.05	2.4	0.90	1.4
20	0.97	0.18	0.51	1.8	0.06	0.43	0.06	0.05	0.06	1.6	0.31	0.81
21	1.0	0.05	0.33	2.5	0.26	1.7	0.06	0.05	0.05	1.1	0.16	0.58
22	1.5	0.10	0.86	2.2	0.06	1.1	0.10	0.05	0.06	0.97	0.28	0.55
23	1.6	0.66	1.2	3.0	0.06	1.2	1.6	0.05	0.52	1.1	0.22	0.47
24	0.91	0.33	0.59	4.6	0.35	2.7	1.5	0.05	0.74	1.4	0.15	0.74
25	0.57	0.27	0.41	4.9	1.2	4.2	1.2	0.36	0.59	1.7	0.59	1.1
26	0.79	0.07	0.35	4.1	0.15	2.1	0.83	0.12	0.33	1.3	0.35	0.54
27	0.48	0.16	0.28	3.9	0.23	2.2	0.68	0.08	0.22	1.2	0.09	0.60
28	0.26	0.07	0.14	3.6	0.50	2.1	0.52	0.08	0.18	1.2	0.55	0.89
29	0.10	0.05	0.07	2.5	0.07	0.88	0.45	0.08	0.22	1.4	0.35	0.57
30	0.07	0.06	0.06	1.1	0.05	0.27	0.76	0.06	0.23	1.5	0.79	1.1
31	---	---	---	0.94	0.05	0.19	0.27	0.05	0.09	---	---	---
MONTH	2.8	0.04	0.29	4.9	0.04	0.65	2.4	0.04	0.17	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.0	6.7	6.8	7.0	6.6	6.8	7.0	6.8	6.9	7.0	6.8	6.8
2	6.8	6.6	6.7	6.8	6.7	6.8	7.0	6.9	7.0	6.8	6.7	6.8
3	6.9	6.6	6.6	6.9	6.7	6.8	7.1	7.0	7.0	6.8	6.7	6.8
4	6.8	6.7	6.7	6.8	6.4	6.6	7.0	7.0	7.0	6.8	6.7	6.7
5	6.9	6.7	6.7	6.8	6.4	6.6	7.0	6.9	7.0	6.8	6.7	6.7
6	6.9	6.8	6.8	6.7	6.5	6.6	7.0	6.9	7.0	6.8	6.7	6.8
7	6.9	6.8	6.8	6.7	6.5	6.6	7.0	6.9	7.0	6.9	6.7	6.8
8	7.0	6.8	6.8	6.8	6.5	6.6	7.0	7.0	7.0	6.9	6.7	6.8
9	6.9	6.8	6.8	6.8	6.5	6.6	7.0	6.9	7.0	6.9	6.7	6.8
10	7.0	6.8	6.9	6.8	6.5	6.7	7.0	6.9	7.0	6.8	6.7	6.8
11	7.1	6.8	7.0	6.9	6.6	6.8	7.0	6.8	6.9	7.0	6.7	6.8
12	7.1	6.9	7.0	6.9	6.6	6.8	6.9	6.8	6.8	6.9	6.7	6.8
13	7.3	6.9	7.0	6.9	6.8	6.8	7.0	6.9	6.9	6.9	6.7	6.8
14	7.0	6.8	6.9	7.0	6.6	6.8	7.0	6.9	6.9	7.0	6.8	6.9
15	6.9	6.8	6.9	6.8	6.6	6.7	7.0	7.0	7.0	7.0	6.8	6.8
16	6.9	6.7	6.8	6.6	6.5	6.6	7.0	6.8	6.9	6.8	6.6	6.7
17	6.9	6.8	6.8	6.7	6.6	6.7	6.8	6.8	6.8	6.7	6.6	6.6
18	6.9	6.9	6.9	6.7	6.6	6.7	6.8	6.7	6.8	6.7	6.6	6.7
19	7.0	6.9	6.9	6.7	6.6	6.6	6.9	6.7	6.8	6.6	6.6	6.6
20	6.9	6.9	6.9	6.7	6.6	6.6	7.2	6.8	6.9	6.6	6.6	6.6
21	7.0	6.8	6.9	6.8	6.5	6.6	7.2	6.9	7.0	6.6	6.4	6.5
22	7.1	6.7	6.9	6.8	6.6	6.7	7.0	6.9	6.9	6.4	6.4	6.4
23	7.0	6.8	6.9	6.7	6.6	6.7	7.0	6.9	6.9	6.8	6.4	6.5
24	7.0	6.8	6.9	6.7	6.6	6.6	7.0	6.9	7.0	6.7	6.6	6.6
25	7.0	6.8	6.9	6.7	6.6	6.6	7.1	6.9	7.0	6.9	6.5	6.6
26	7.0	6.8	6.9	6.9	6.6	6.8	7.2	6.9	7.0	6.6	6.6	6.6
27	6.9	6.7	6.8	6.7	6.7	6.7	7.2	6.9	7.0	7.0	6.6	6.7
28	7.1	6.7	6.9	6.8	6.7	6.7	7.1	6.9	7.0	7.4	6.7	7.0
29	7.0	6.7	6.8	6.9	6.7	6.8	7.0	6.9	7.0	7.2	6.7	6.9
30	6.8	6.6	6.7	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.6	6.7
31	6.8	6.7	6.7	---	---	---	7.0	6.9	7.0	7.1	6.7	6.8
MONTH	7.3	6.6	6.8	7.0	6.4	6.7	7.2	6.7	6.9	7.4	6.4	6.7
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	6.7	6.8	6.8	6.7	6.8	6.7	6.5	6.6	7.1	6.9	7.0
2	7.1	6.7	6.8	6.8	6.8	6.8	6.7	6.6	6.6	7.0	6.8	6.9
3	6.8	6.6	6.7	6.8	6.7	6.7	6.6	6.6	6.6	7.2	6.8	6.9
4	7.2	6.7	6.9	6.8	6.7	6.8	6.6	6.5	6.5	7.2	6.9	7.0
5	7.3	6.8	7.0	6.8	6.7	6.8	6.6	6.4	6.5	7.4	6.8	7.0
6	7.2	6.8	6.9	6.7	6.7	6.7	6.7	6.5	6.6	7.2	6.8	6.9
7	6.9	6.8	6.8	6.7	6.6	6.6	6.8	6.7	6.7	6.8	6.6	6.7
8	7.0	6.6	6.7	6.8	6.6	6.7	6.7	6.6	6.7	6.6	6.3	6.4
9	6.7	6.6	6.7	6.8	6.8	6.8	6.8	6.6	6.6	6.3	6.2	6.3
10	6.9	6.7	6.8	7.0	6.8	6.8	6.7	6.6	6.7	6.6	6.3	6.4
11	7.1	6.7	6.9	6.9	6.8	6.8	6.7	6.6	6.7	6.8	6.6	6.7
12	7.1	6.8	6.9	7.0	6.8	6.9	6.8	6.6	6.7	7.2	6.7	6.9
13	7.1	6.7	6.8	6.9	6.8	6.8	6.8	6.7	6.8	7.2	7.0	7.1
14	6.8	6.7	6.7	6.9	6.8	6.8	6.8	6.6	6.8	7.3	7.1	7.2
15	6.8	6.7	6.7	6.8	6.7	6.7	6.7	6.6	6.6	7.3	7.2	7.2
16	6.8	6.7	6.7	6.8	6.7	6.7	6.6	6.5	6.6	7.2	7.0	7.1
17	7.0	6.7	6.8	6.8	6.7	6.8	6.6	6.6	6.6	7.0	6.8	6.9
18	7.1	6.8	6.9	6.7	6.6	6.7	6.6	6.5	6.6	6.9	6.7	6.8
19	7.1	6.8	6.9	6.6	6.5	6.6	6.6	6.6	6.6	6.8	6.6	6.7
20	7.1	6.8	6.9	6.6	6.5	6.6	6.6	6.4	6.5	6.7	6.6	6.7
21	7.0	6.8	6.8	6.6	6.5	6.6	6.6	6.5	6.5	6.8	6.6	6.7
22	7.0	6.8	6.9	6.6	6.6	6.6	6.6	6.5	6.6	6.8	6.7	6.7
23	7.1	6.8	6.9	6.6	6.5	6.6	6.7	6.6	6.6	6.7	6.7	6.7
24	7.0	6.8	6.9	6.6	6.4	6.5	6.8	6.6	6.7	6.7	6.6	6.7
25	7.1	6.8	6.9	6.5	6.4	6.5	6.9	6.8	6.8	6.8	6.7	6.7
26	7.0	6.8	6.8	6.5	6.4	6.5	6.9	6.8	6.9	6.9	6.8	6.8
27	7.2	6.8	6.9	6.6	6.4	6.5	6.9	6.8	6.8	6.9	6.8	6.8
28	7.1	6.7	6.9	6.6	6.5	6.6	7.0	6.8	6.9	6.8	6.8	6.8
29	---	---	---	6.6	6.5	6.6	7.0	6.8	6.9	6.8	6.8	6.8
30	---	---	---	6.6	6.4	6.5	7.0	6.8	6.9	6.9	6.8	6.8
31	---	---	---	6.6	6.5	6.6	---	---	---	7.2	6.8	6.9
MONTH	7.3	6.6	6.8	7.0	6.4	6.7	7.0	6.4	6.7	7.4	6.2	6.8

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	6.8	6.9	7.0	6.7	6.8	6.8	6.6	6.7	8.6	6.9	7.3
2	7.3	6.7	7.0	6.9	6.6	6.7	6.6	6.4	6.5	8.7	7.0	7.4
3	6.7	6.6	6.6	7.0	6.6	6.7	6.6	6.3	6.4	8.9	6.8	7.7
4	6.7	6.6	6.6	7.6	6.6	6.8	6.5	6.3	6.4	8.8	7.2	7.9
5	6.8	6.7	6.7	8.0	6.6	6.9	7.0	6.3	6.5	8.8	7.4	8.0
6	6.9	6.7	6.7	7.2	6.6	6.7	7.4	6.6	6.8	8.8	7.9	8.3
7	6.9	6.8	6.8	7.4	6.7	6.9	7.0	6.6	6.8	8.6	7.4	8.1
8	7.1	6.8	6.9	7.2	6.8	7.0	6.7	6.5	6.6	8.9	7.2	7.8
9	6.9	6.7	6.8	8.3	6.9	7.2	6.8	6.5	6.6	8.6	7.1	7.6
10	6.9	6.7	6.8	8.7	7.0	7.3	6.9	6.5	6.6	8.6	7.2	7.8
11	6.8	6.7	6.7	8.4	7.0	7.3	7.1	6.6	6.7	8.7	7.7	8.1
12	6.9	6.7	6.8	7.5	7.0	7.1	7.7	6.6	6.9	8.0	7.1	7.5
13	6.8	6.7	6.8	7.2	6.8	7.0	7.7	6.7	6.9	7.8	7.1	7.3
14	6.9	6.7	6.7	7.0	6.7	6.8	7.4	6.8	7.0	8.2	7.3	7.7
15	6.9	6.7	6.8	8.2	6.7	7.2	7.1	6.7	6.9	7.6	6.7	7.3
16	7.0	6.7	6.9	8.8	6.9	7.5	7.5	6.7	6.9	6.9	6.6	6.7
17	7.0	6.8	6.9	8.4	6.9	7.4	7.2	6.7	6.9	---	---	---
18	7.2	6.8	6.9	8.6	6.9	7.5	7.5	6.6	6.8	6.8	6.5	6.6
19	7.3	6.8	7.0	8.2	7.1	7.5	7.0	6.6	6.8	7.6	6.5	6.9
20	7.2	6.9	7.0	8.6	7.0	7.7	7.1	6.6	6.8	7.2	6.7	6.9
21	7.2	6.8	7.0	8.3	6.8	7.5	7.3	6.6	6.8	7.2	6.7	6.9
22	7.4	6.8	7.0	8.4	7.0	7.4	7.3	6.6	6.8	7.4	6.8	6.9
23	8.2	7.0	7.2	7.4	6.9	7.1	7.2	6.6	6.9	7.2	6.7	6.9
24	8.2	7.0	7.4	7.4	6.9	7.0	7.8	6.7	7.0	7.2	6.8	6.9
25	7.8	7.2	7.4	8.2	6.9	7.1	7.9	6.8	7.1	7.3	6.9	7.0
26	7.5	7.0	7.2	8.0	6.8	7.1	7.5	6.9	7.1	7.2	6.9	7.0
27	8.3	7.0	7.4	8.2	6.9	7.2	7.4	6.8	7.1	7.6	6.7	7.0
28	7.5	7.0	7.1	7.5	6.8	7.1	8.1	6.8	7.2	7.6	6.9	7.2
29	7.0	6.8	6.9	7.4	6.9	7.1	8.3	6.9	7.4	7.4	7.0	7.1
30	6.8	6.7	6.8	6.9	6.7	6.8	8.3	6.8	7.2	7.2	7.0	7.1
31	---	---	---	6.9	6.7	6.7	7.5	6.9	7.1	---	---	---
MONTH	8.3	6.6	6.9	8.8	6.6	7.1	8.3	6.3	6.8	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.9	6.7	6.8	6.7	6.6	6.6	7.0	6.8	6.9	7.1	6.6	6.9
2	6.7	6.6	6.7	6.7	6.6	6.6	7.0	6.9	7.0	7.0	6.7	6.9
3	6.8	6.6	6.6	6.7	6.6	6.6	7.1	7.0	7.0	7.0	6.6	6.8
4	6.8	6.7	6.7	6.8	6.5	6.6	7.0	7.0	7.0	6.8	6.6	6.8
5	6.9	6.7	6.7	6.9	6.6	6.8	7.0	6.9	7.0	6.8	6.7	6.8
6	6.9	6.8	6.8	6.8	6.7	6.8	7.0	6.9	6.9	6.8	6.7	6.8
7	6.9	6.6	6.7	6.8	6.6	6.7	7.0	6.8	6.9	6.8	6.8	6.8
8	6.8	6.6	6.7	6.6	6.5	6.6	6.9	6.8	6.9	6.8	6.7	6.8
9	6.8	6.7	6.7	6.6	6.5	6.6	6.9	6.6	6.8	6.8	6.8	6.8
10	6.8	6.7	6.7	6.6	6.5	6.5	6.9	6.7	6.9	6.8	6.7	6.8
11	6.9	6.7	6.8	6.6	6.5	6.5	6.9	6.8	6.9	6.7	6.6	6.6
12	6.9	6.7	6.8	6.8	6.5	6.6	6.9	6.6	6.8	6.7	6.6	6.6
13	7.0	6.8	6.9	7.1	6.6	6.8	6.9	6.8	6.9	6.8	6.5	6.6
14	6.9	6.7	6.8	7.0	6.8	6.9	7.0	6.6	6.9	6.9	6.6	6.7
15	6.8	6.7	6.7	7.0	6.8	6.9	7.1	6.8	7.0	6.9	6.6	6.7
16	6.8	6.6	6.7	7.0	6.8	6.9	7.0	6.8	6.9	6.9	6.4	6.6
17	6.8	6.7	6.7	7.0	6.7	6.9	6.9	6.7	6.8	6.5	6.4	6.4
18	6.8	6.7	6.8	7.0	6.7	6.9	6.9	6.6	6.8	6.5	6.5	6.5
19	6.8	6.8	6.8	7.0	6.7	6.8	6.9	6.6	6.8	6.5	6.4	6.4
20	6.8	6.7	6.8	6.9	6.7	6.8	7.0	6.5	6.8	6.4	6.3	6.4
21	6.8	6.6	6.6	6.8	6.6	6.7	7.0	6.8	6.9	6.4	6.3	6.4
22	6.7	6.6	6.6	6.8	6.6	6.7	6.9	6.7	6.8	6.5	6.1	6.2
23	6.8	6.6	6.7	6.8	6.6	6.7	6.8	6.8	6.8	6.6	6.2	6.3
24	6.8	6.7	6.7	6.8	6.6	6.7	6.9	6.8	6.8	6.6	6.3	6.4
25	6.8	6.6	6.7	6.9	6.6	6.8	7.1	6.7	7.0	6.6	6.3	6.4
26	6.8	6.7	6.7	7.0	6.8	6.9	7.2	6.8	7.1	6.5	6.2	6.4
27	6.8	6.6	6.7	6.9	6.6	6.8	7.4	6.9	7.2	6.7	6.3	6.6
28	6.8	6.6	6.7	7.0	6.7	6.8	7.3	6.9	7.2	6.8	6.6	6.7
29	6.7	6.6	6.7	6.9	6.7	6.8	7.3	6.8	7.1	6.8	6.5	6.7
30	6.7	6.6	6.6	7.0	6.6	6.8	7.3	6.9	7.2	6.8	6.4	6.7
31	6.7	6.5	6.6	---	---	---	7.1	6.8	7.1	6.7	6.5	6.7
MONTH	7.0	6.5	6.7	7.1	6.5	6.7	7.4	6.5	6.9	7.1	6.1	6.6
		FEBRUARY			MARCH			APRIL			MAY	
1	6.7	6.5	6.7	7.2	6.7	7.0	6.7	6.6	6.7	7.1	6.8	6.9
2	6.7	6.6	6.7	7.0	6.9	7.0	6.7	6.6	6.6	6.9	6.8	6.9
3	6.7	6.5	6.7	7.0	6.9	6.9	6.6	6.5	6.6	7.2	6.8	6.9
4	6.7	6.6	6.6	7.0	6.9	6.9	6.6	6.5	6.5	7.3	6.9	7.1
5	6.7	6.7	6.7	7.0	6.9	7.0	6.5	6.4	6.5	7.4	6.9	7.0
6	6.7	6.6	6.7	7.0	6.9	7.0	6.8	6.5	6.7	7.3	6.8	7.0
7	6.8	6.6	6.7	7.2	6.7	6.9	6.9	6.7	6.8	6.8	6.6	6.7
8	6.9	6.5	6.8	7.1	6.9	7.0	6.8	6.7	6.8	6.6	6.3	6.4
9	6.8	6.5	6.7	7.1	6.8	7.0	6.8	6.7	6.7	6.4	6.3	6.3
10	6.9	6.4	6.7	7.1	6.7	6.9	6.8	6.6	6.7	6.6	6.2	6.4
11	6.9	6.5	6.8	6.9	6.8	6.8	6.8	6.7	6.8	6.7	6.4	6.6
12	6.9	6.6	6.8	7.0	6.8	6.9	6.9	6.7	6.8	6.8	6.5	6.7
13	6.9	6.6	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.7	6.8
14	6.9	6.6	6.8	6.9	6.8	6.9	6.9	6.8	6.9	6.7	6.6	6.7
15	6.8	6.4	6.7	6.8	6.8	6.8	6.8	6.7	6.8	6.7	6.6	6.6
16	6.8	6.6	6.8	6.8	6.7	6.8	6.7	6.6	6.7	6.6	6.4	6.6
17	6.8	6.7	6.8	6.8	6.8	6.8	6.7	6.6	6.7	6.6	6.5	6.6
18	6.9	6.7	6.8	6.8	6.6	6.7	6.7	6.6	6.7	6.9	6.5	6.7
19	7.0	6.7	6.9	6.6	6.6	6.6	6.7	6.6	6.7	6.9	6.7	6.7
20	7.0	6.7	6.9	6.6	6.6	6.6	6.7	6.4	6.6	6.8	6.6	6.7
21	7.0	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.5	6.8	6.7	6.8
22	6.9	6.8	6.8	6.6	6.6	6.6	6.7	6.5	6.6	6.8	6.7	6.8
23	6.9	6.7	6.8	6.6	6.6	6.6	6.7	6.6	6.7	6.8	6.7	6.7
24	7.0	6.7	6.9	6.6	6.5	6.5	6.8	6.6	6.7	6.7	6.7	6.7
25	7.0	6.8	7.0	6.5	6.5	6.5	6.9	6.7	6.8	6.9	6.7	6.7
26	7.2	6.8	7.0	6.5	6.5	6.5	6.9	6.8	6.8	7.0	6.8	6.9
27	7.3	7.0	7.2	6.6	6.5	6.5	6.9	6.8	6.8	7.0	6.8	6.8
28	7.1	6.9	7.0	6.6	6.5	6.6	6.9	6.8	6.9	6.9	6.8	6.8
29	---	---	---	6.6	6.5	6.6	6.9	6.8	6.9	6.9	6.8	6.8
30	---	---	---	6.6	6.5	6.6	7.0	6.8	6.9	6.9	6.8	6.8
31	---	---	---	6.7	6.6	6.6	---	---	---	7.1	6.8	6.9
MONTH	7.3	6.4	6.8	7.2	6.5	6.8	7.0	6.4	6.7	7.4	6.2	6.7

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	6.9	7.0	6.8	6.7	6.7	6.8	6.6	6.6	7.2	6.6	6.9
2	7.3	6.8	7.1	6.9	6.6	6.6	6.8	6.5	6.6	7.4	6.9	7.1
3	6.8	6.6	6.7	6.7	6.6	6.7	6.8	6.4	6.6	8.6	6.7	7.6
4	6.7	6.7	6.7	6.7	6.5	6.6	6.7	6.4	6.5	8.4	7.0	7.6
5	6.8	6.7	6.7	6.8	6.5	6.7	6.8	6.4	6.5	8.7	7.3	7.9
6	6.9	6.7	6.8	6.6	6.5	6.6	7.0	6.6	6.7	8.5	7.6	8.1
7	6.9	6.8	6.8	6.9	6.6	6.7	6.9	6.6	6.8	8.5	7.5	8.0
8	6.9	6.6	6.8	7.0	6.7	6.8	6.8	6.6	6.7	8.8	7.2	7.7
9	6.8	6.7	6.8	7.2	6.8	6.9	6.8	6.6	6.7	8.7	7.2	7.7
10	6.8	6.7	6.7	7.2	6.8	6.9	6.8	6.7	6.7	8.6	7.3	7.8
11	6.8	6.6	6.7	7.1	6.8	6.9	6.9	6.7	6.8	8.8	7.8	8.2
12	6.8	6.7	6.8	7.0	6.8	6.9	7.0	6.7	6.8	8.5	7.1	7.6
13	6.8	6.7	6.7	7.2	6.8	6.9	7.0	6.8	6.8	8.0	7.2	7.5
14	6.7	6.5	6.7	7.0	6.8	6.9	7.0	6.8	6.9	8.2	7.3	7.7
15	6.6	6.5	6.6	7.0	6.8	6.9	7.1	6.8	6.9	7.6	6.8	7.3
16	6.8	6.5	6.6	7.1	6.9	6.9	7.1	6.7	6.9	6.9	6.4	6.7
17	6.8	6.6	6.7	7.3	6.9	7.1	7.0	6.5	6.7	---	---	---
18	7.0	6.6	6.7	7.6	6.9	7.2	6.8	6.5	6.7	6.8	6.7	6.8
19	7.2	6.7	6.9	7.3	7.0	7.1	6.8	6.4	6.6	7.3	6.6	6.8
20	7.1	6.8	6.9	7.4	6.7	7.0	6.7	6.4	6.5	6.8	6.4	6.6
21	7.0	6.8	6.9	7.5	6.7	6.8	6.8	6.5	6.6	7.0	6.4	6.6
22	6.9	6.8	6.8	7.5	6.9	7.1	6.8	6.6	6.7	7.0	6.6	6.8
23	7.3	6.8	6.9	7.4	6.8	7.1	7.1	6.6	6.9	7.0	6.6	6.7
24	7.9	6.9	7.3	7.2	6.8	7.0	7.9	6.7	7.0	7.1	6.6	6.7
25	7.4	7.0	7.1	7.1	6.8	6.9	7.8	6.8	7.0	7.0	6.7	6.8
26	7.4	6.8	7.1	7.2	6.8	7.0	8.0	6.9	7.1	6.9	6.8	6.8
27	7.2	6.9	7.0	6.9	6.7	6.8	7.7	6.8	7.1	7.0	6.6	6.9
28	7.2	6.8	7.0	6.9	6.7	6.8	7.7	6.9	7.1	7.1	6.9	7.0
29	7.0	6.8	6.9	7.0	6.8	6.9	7.4	6.9	7.2	7.2	7.0	7.0
30	6.8	6.7	6.8	6.8	6.7	6.7	7.4	6.8	7.0	7.3	7.0	7.1
31	---	---	---	6.8	6.7	6.7	7.1	6.7	6.9	---	---	---
MONTH	7.9	6.5	6.8	7.6	6.5	6.9	8.0	6.4	6.8	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.4	23.3	23.8	20.4	17.7	18.8	12.1	11.2	11.5	5.2	3.6	4.2
2	24.9	23.3	23.9	19.6	18.2	18.8	11.5	10.6	10.9	5.5	4.5	5.0
3	25.1	23.5	24.0	19.4	18.4	18.9	10.8	10.2	10.4	6.4	5.4	5.9
4	24.5	23.6	24.0	19.1	18.5	18.7	10.2	9.7	10.0	7.8	6.3	7.1
5	24.4	23.5	23.8	18.5	17.5	18.0	10.1	9.3	9.6	9.4	7.5	8.5
6	23.5	22.4	22.9	17.9	16.9	17.4	9.6	9.1	9.3	10.7	8.8	9.8
7	22.8	21.8	22.1	17.7	16.5	17.2	10.9	9.1	9.8	11.2	10.2	10.7
8	22.4	21.2	21.7	17.4	16.4	17.0	11.6	10.2	11.0	12.3	10.7	11.6
9	21.8	21.0	21.3	17.8	15.4	16.9	11.0	10.3	10.7	12.2	11.4	11.8
10	22.3	20.5	21.2	17.8	14.4	15.7	12.6	10.8	11.7	12.5	11.5	12.1
11	21.5	20.0	20.8	15.8	13.8	14.4	12.5	11.7	12.0	12.2	10.4	11.6
12	20.7	19.5	20.1	15.5	13.9	14.7	12.1	11.5	11.8	13.2	11.8	12.3
13	20.8	19.8	20.2	14.4	12.7	13.6	12.0	11.2	11.7	14.1	12.4	13.0
14	20.1	19.5	19.8	14.0	11.7	12.6	11.4	10.1	10.8	14.5	12.6	13.6
15	19.7	18.6	19.4	12.8	11.6	12.1	10.1	9.0	9.4	12.9	11.3	11.8
16	18.7	17.6	18.3	11.7	10.6	11.1	9.0	8.0	8.6	12.0	10.3	11.2
17	18.6	17.8	18.3	10.8	10.1	10.5	8.0	7.1	7.5	10.3	8.2	9.4
18	18.5	17.5	17.9	10.8	10.2	10.5	7.6	6.9	7.2	8.2	6.9	7.5
19	19.3	17.6	18.3	10.8	10.0	10.3	7.4	6.1	6.7	6.9	4.9	5.9
20	18.9	18.1	18.5	11.0	10.2	10.5	6.4	3.5	4.9	4.9	4.0	4.4
21	19.7	17.8	18.3	12.8	10.7	11.4	5.2	3.7	4.3	4.0	3.2	3.6
22	19.8	17.6	18.6	12.5	11.3	11.8	5.3	4.5	4.9	3.2	2.8	3.0
23	19.6	17.1	18.3	12.8	11.9	12.3	6.8	5.0	5.7	3.0	1.6	2.4
24	19.5	16.7	17.5	13.6	12.4	13.0	6.6	5.5	6.1	2.7	1.3	1.9
25	17.8	16.1	16.6	14.8	13.3	14.0	5.8	5.1	5.3	3.3	2.0	2.5
26	18.6	15.5	16.8	13.5	12.3	12.8	5.7	4.8	5.1	3.4	2.4	2.8
27	17.9	15.2	16.3	13.2	12.6	12.9	5.1	4.0	4.6	3.8	3.0	3.2
28	18.7	15.5	17.0	13.4	12.6	13.0	4.6	3.2	4.0	4.4	2.3	3.2
29	17.5	15.5	16.2	12.6	11.9	12.2	4.0	2.5	3.1	3.7	2.6	3.2
30	18.3	15.6	16.6	12.0	11.3	11.6	3.8	2.6	3.0	3.5	3.2	3.4
31	19.3	16.7	17.7	---	---	---	4.3	2.8	3.4	4.9	2.9	3.6
MONTH	25.1	15.2	19.7	20.4	10.0	14.1	12.6	2.5	7.9	14.5	1.3	7.1
		FEBRUARY			MARCH			APRIL			MAY	
1	4.1	3.5	3.7	8.0	7.1	7.7	17.0	15.7	16.3	19.7	18.6	19.0
2	4.6	3.5	4.0	7.8	6.6	7.1	16.9	16.4	16.6	20.1	18.6	19.3
3	4.4	4.1	4.3	7.6	6.4	6.9	16.4	15.7	16.0	19.9	18.1	19.1
4	5.0	4.1	4.5	7.8	6.4	6.9	17.4	15.5	16.2	20.1	18.7	19.3
5	5.9	4.3	4.8	7.4	6.5	6.8	17.4	15.8	16.3	19.4	18.5	18.9
6	6.3	4.8	5.3	7.6	6.3	6.9	17.8	15.9	16.6	18.5	16.2	17.3
7	6.3	5.4	5.8	9.1	7.0	7.8	18.3	16.8	17.4	16.4	15.0	15.6
8	7.2	6.0	6.4	9.3	7.9	8.8	19.3	17.6	18.0	16.3	14.4	15.4
9	7.8	6.8	7.2	8.9	7.3	8.1	18.6	17.9	18.3	17.6	15.1	16.0
10	8.6	7.6	8.0	9.9	8.3	9.1	19.2	17.7	18.3	18.4	16.1	17.0
11	8.0	6.6	7.3	10.7	9.1	9.7	19.8	18.0	18.7	19.8	17.3	18.2
12	8.5	7.0	7.9	10.2	8.6	9.2	19.2	17.0	17.8	20.6	18.5	19.5
13	9.1	7.9	8.4	11.0	9.0	9.8	17.0	15.5	16.3	20.5	19.6	19.9
14	9.0	8.6	8.8	10.3	9.5	9.8	15.7	14.3	15.1	21.6	19.5	20.3
15	9.8	8.5	9.1	10.7	9.3	10	14.3	13.1	13.6	22.6	20.5	21.4
16	10.2	9.0	9.5	10.2	9.3	9.8	13.9	12.7	13.2	22.8	21.5	22.0
17	10.5	9.5	10	9.3	8.2	9.0	14.7	13.0	13.5	23.0	21.8	22.2
18	10.6	8.6	9.8	8.8	7.6	8.2	15.3	13.4	14.2	23.2	21.4	22.1
19	10.6	9.0	9.8	8.6	7.8	8.1	16.4	14.2	15.1	22.3	21.6	21.9
20	10.1	9.6	9.8	9.8	8.0	8.7	18.0	15.5	16.5	22.0	21.3	21.6
21	10.5	9.6	9.9	10.8	9.3	9.8	19.2	16.8	17.6	22.1	20.6	21.3
22	10.7	9.6	10.1	11.0	9.9	10.5	20.2	18.2	19.1	22.1	20.9	21.4
23	10.9	9.4	10.1	12.5	10.8	11.6	20.2	19.0	19.6	22.9	21.1	21.9
24	10.2	9.5	9.7	13.8	12.1	12.9	19.6	18.0	18.6	22.6	21.3	22.0
25	9.5	8.7	9.0	14.0	12.9	13.4	18.6	16.8	18.0	21.9	20.5	20.9
26	9.7	8.0	8.9	14.5	13.4	13.9	18.4	17.8	18.1	22.0	19.9	20.9
27	9.2	8.2	8.7	13.9	13.4	13.7	19.0	17.8	18.3	23.4	20.8	21.9
28	8.5	7.7	8.1	14.5	13.4	13.8	19.0	17.0	18.0	23.0	21.6	22.2
29	---	---	---	15.4	13.6	14.3	18.6	17.6	18.1	23.5	22.2	22.8
30	---	---	---	16.3	14.2	15.1	19.4	17.9	18.6	23.4	22.7	23.1
31	---	---	---	16.1	15.1	15.6	---	---	---	24.2	22.5	23.3
MONTH	10.9	3.5	7.8	16.3	6.3	10.1	20.2	12.7	16.9	24.2	14.4	20.2

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.7	22.3	22.8	29.8	27.0	28.0	29.0	28.1	28.4	30.6	29.0	29.4
2	22.3	21.4	21.8	29.3	27.2	27.9	29.1	27.3	27.9	31.0	29.2	29.6
3	22.3	21.1	21.6	28.8	27.4	28.2	28.6	26.8	27.5	30.1	28.8	29.5
4	23.2	21.7	22.3	30.0	27.3	28.4	28.5	26.7	27.4	29.5	28.2	28.9
5	25.6	22.5	23.5	30.4	28.3	29.1	30.3	27.6	28.4	28.3	27.2	27.7
6	25.4	23.4	24.2	31.5	28.8	29.6	31.1	28.5	29.4	27.3	26.3	26.8
7	25.7	23.7	24.3	31.8	29.6	30.5	30.4	29.0	29.6	26.7	25.9	26.3
8	27.5	24.7	25.6	30.8	29.4	30.2	29.4	28.8	29.1	27.0	25.6	26.1
9	26.6	25.5	25.9	31.5	29.6	30.2	30.4	28.5	29.0	27.0	25.8	26.2
10	27.8	25.9	26.6	31.8	29.7	30.4	31.4	28.6	29.1	26.3	25.4	25.8
11	27.3	26.2	26.7	31.6	30.2	30.7	31.2	29.2	29.9	25.6	24.6	25.1
12	27.7	26.1	26.8	30.9	30.1	30.4	32.1	29.7	30.5	25.0	24.4	24.8
13	28.8	26.4	27.3	30.3	29.1	29.6	32.2	30.2	31.0	25.8	24.7	25.2
14	29.6	26.8	27.7	29.5	28.5	29.0	32.9	30.5	31.4	25.7	25.0	25.4
15	29.5	27.1	28.2	30.6	28.6	29.3	32.2	30.6	31.4	25.2	24.8	25.0
16	29.4	28.0	28.6	31.9	29.0	30.0	32.1	30.5	31.3	26.2	24.8	25.3
17	28.8	27.4	28.1	31.4	29.7	30.4	31.5	29.9	30.4	---	---	---
18	28.4	27.4	27.8	32.1	29.6	30.7	30.9	29.1	29.8	28.1	25.9	26.5
19	27.8	26.9	27.3	32.5	30.3	31.2	30.5	29.1	29.7	28.2	26.2	27.1
20	26.9	25.9	26.4	32.3	30.7	31.4	31.6	29.3	30.2	28.6	26.9	27.4
21	27.1	25.1	25.9	32.9	30.3	31.4	32.5	30.0	30.8	27.5	26.8	27.1
22	27.8	25.7	26.6	33.0	30.4	31.5	32.0	30.4	30.8	28.4	26.6	27.1
23	28.1	26.1	26.9	31.7	30.6	31.0	31.0	30.0	30.5	28.1	26.8	27.2
24	28.6	26.5	27.3	31.8	30.2	30.9	30.3	29.4	29.8	27.8	26.9	27.4
25	28.0	27.2	27.5	31.9	30.3	30.9	29.6	28.5	29.0	27.8	26.8	27.2
26	27.6	27.0	27.3	32.4	30.2	31.0	28.7	27.6	28.2	27.4	26.7	27.0
27	29.0	27.0	27.7	33.6	30.8	31.7	28.3	27.6	27.9	27.6	26.4	26.9
28	28.5	27.7	28.0	32.5	31.0	31.6	29.2	27.6	28.2	27.2	26.1	26.6
29	27.7	26.7	27.1	32.2	30.0	30.8	29.6	28.2	28.8	27.1	26.0	26.4
30	28.4	26.5	27.1	30.5	29.3	29.8	30.8	28.7	29.3	26.6	25.3	25.8
31	---	---	---	29.6	28.8	29.3	30.2	29.1	29.7	---	---	---
MONTH	29.6	21.1	26.2	33.6	27.0	30.2	32.9	26.7	29.5	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.2	23.3	23.6	19.5	18.6	19.2	11.8	11.2	11.5	5.9	3.9	5.2
2	24.2	23.2	23.6	19.6	18.5	19.0	11.6	10.6	11.0	6.5	4.8	5.8
3	24.4	23.4	23.7	19.7	18.5	19.4	10.8	10.3	10.5	6.6	5.6	6.2
4	24.3	23.5	23.9	19.5	18.5	19.0	10.3	9.8	10.1	7.2	6.4	6.8
5	24.2	23.3	23.7	18.5	17.7	18.0	10.2	9.3	9.7	8.2	6.9	7.1
6	23.4	21.9	22.7	18.5	18.0	18.2	10.2	9.2	9.6	7.9	7.2	7.3
7	22.4	21.6	21.8	18.4	17.8	18.2	10.6	9.2	9.9	7.9	7.3	7.5
8	22.1	21.1	21.6	18.3	17.9	18.2	11.4	10.2	10.9	11.5	7.7	8.4
9	21.8	21.0	21.2	18.3	17.8	18.1	13.0	10.6	11.8	9.4	8.5	8.8
10	21.4	20.5	20.9	18.1	17.4	17.8	12.4	11.1	11.8	9.3	8.9	9.1
11	21.4	20.0	20.7	17.7	16.1	17.3	12.4	11.8	12.1	11.5	9.2	9.7
12	20.7	19.5	19.9	17.0	14.6	16.5	13.4	11.4	12.3	12.3	9.8	10.4
13	20.5	19.8	20.1	16.2	13.3	14.6	13.2	11.5	12.1	13.8	10.6	11.8
14	20.1	19.4	19.8	14.9	13.0	14.5	12.6	10.2	11.4	14.3	12.7	13.5
15	19.7	18.6	19.4	14.1	12.3	13.5	11.0	9.2	9.7	13.4	11.3	11.9
16	18.6	17.6	18.2	13.8	11.4	13.2	9.2	8.1	8.7	12.6	10.3	11.4
17	18.6	17.7	18.2	13.3	10.6	12.2	9.3	7.4	7.8	10.3	8.3	9.5
18	18.2	17.4	17.7	13.1	10.6	12.0	9.8	7.0	8.2	8.3	7.0	7.6
19	19.2	17.6	18.2	13.2	10.1	11.8	9.8	6.4	8.1	7.0	5.1	6.0
20	18.7	18.1	18.3	13.6	10.7	13.0	8.0	4.1	5.2	5.1	4.1	4.5
21	20.1	18.0	19.3	13.7	11.2	13.2	5.3	3.9	4.5	4.1	3.3	3.8
22	20.2	19.8	20.1	13.7	11.7	13.1	5.4	4.4	5.0	4.7	3.0	3.2
23	20.1	17.8	19.3	13.7	12.3	13.0	6.7	5.1	5.7	3.1	1.7	2.6
24	19.9	17.7	19.0	13.8	12.8	13.4	6.6	5.6	6.2	2.7	1.6	2.0
25	19.1	16.7	18.5	14.6	13.2	14.0	7.2	5.3	6.7	3.0	2.2	2.5
26	19.0	15.6	18.0	13.5	12.2	12.7	7.3	5.3	6.6	3.4	2.4	2.8
27	18.8	15.5	18.0	13.6	12.3	13.1	6.2	5.4	5.6	4.0	3.2	3.5
28	18.7	16.2	18.1	13.6	12.7	13.1	5.7	3.5	5.3	4.3	3.5	4.0
29	18.6	16.1	17.9	13.6	12.3	13.0	5.5	3.2	4.4	4.2	3.1	3.9
30	18.6	16.0	17.8	13.6	11.3	12.4	5.6	3.3	5.0	4.3	3.4	3.8
31	18.9	17.0	18.5	---	---	---	6.0	3.9	5.5	4.3	3.5	4.2
MONTH	24.4	15.5	20.1	19.7	10.1	15.2	13.4	3.2	8.5	14.3	1.6	6.6
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	3.9	4.3	8.4	7.2	7.7	16.9	15.7	16.2	19.7	18.5	19.0
2	4.5	4.0	4.4	7.9	6.6	7.1	16.9	16.4	16.6	19.7	18.6	19.1
3	4.7	4.3	4.5	7.4	6.5	6.8	16.4	15.7	16.0	19.9	18.1	19.0
4	4.9	4.3	4.8	7.4	6.4	6.8	16.6	15.5	16.0	19.9	18.7	19.3
5	5.0	4.8	4.9	7.1	6.5	6.8	17.3	15.8	16.2	19.4	18.4	18.9
6	5.4	4.9	5.0	7.6	6.3	6.9	17.3	15.9	16.5	18.4	16.1	17.2
7	5.3	5.1	5.2	8.7	7.0	7.7	18.2	16.8	17.4	16.4	14.8	15.4
8	7.0	5.2	6.1	9.2	7.7	8.8	18.8	17.6	17.9	15.9	14.3	15.1
9	7.5	6.0	6.6	8.9	7.1	8.0	18.5	17.9	18.2	17.3	15.1	15.9
10	8.4	6.6	7.6	9.7	8.3	8.9	18.7	16.7	17.9	18.3	15.9	16.9
11	8.0	6.5	7.0	10.4	9.1	9.6	19.1	18.0	18.4	19.2	17.2	18.1
12	8.2	6.5	7.1	9.8	8.6	9.2	19.2	17.0	17.7	20.5	18.4	19.3
13	8.7	6.6	7.2	10.6	9.0	9.7	17.0	15.3	16.2	20.4	19.5	19.8
14	8.9	8.0	8.6	10.1	9.5	9.8	15.7	14.3	15.1	21.0	19.3	20.1
15	9.0	7.4	8.2	10.5	9.3	9.9	14.3	13.0	13.5	22.3	20.4	21.1
16	9.4	7.4	8.1	10.2	9.3	9.8	13.8	12.6	13.1	22.5	21.4	21.8
17	9.1	7.6	8.0	9.3	8.2	8.9	14.1	12.9	13.5	22.8	21.7	22.1
18	10.6	8.0	9.2	8.6	7.6	8.1	15.0	13.1	14.0	22.8	21.3	21.9
19	10.1	8.8	9.2	8.3	7.8	8.0	16.0	14.0	14.8	22.3	21.5	21.9
20	9.7	8.9	9.3	9.3	7.9	8.6	17.5	15.2	16.1	22.0	21.2	21.6
21	9.6	8.8	9.0	10.4	9.3	9.8	17.4	16.7	17.1	21.5	20.6	21.0
22	10.0	8.9	9.1	10.9	9.9	10.4	19.8	17.3	18.7	22.0	20.9	21.4
23	10.5	9.2	9.7	12.1	10.8	11.5	20.2	19.1	19.6	22.6	21.1	21.7
24	10.2	9.5	9.8	13.6	12.1	12.8	19.6	18.0	18.6	22.3	21.2	21.8
25	9.5	9.0	9.2	13.9	12.9	13.3	18.4	16.7	17.8	21.9	20.3	20.8
26	9.3	8.6	9.1	14.2	13.4	13.8	18.4	17.8	18.0	21.7	19.6	20.6
27	9.3	8.7	9.2	13.8	13.4	13.6	18.8	17.8	18.2	21.8	20.6	20.9
28	9.2	7.7	8.4	14.2	13.3	13.7	18.4	17.0	17.7	22.5	21.2	21.8
29	---	---	---	15.1	13.6	14.2	18.4	17.7	18.0	23.1	21.8	22.3
30	---	---	---	16.1	14.2	14.9	19.3	17.7	18.5	23.1	22.4	22.8
31	---	---	---	16.0	14.9	15.5	---	---	---	23.3	22.3	22.7
MONTH	10.6	3.9	7.5	16.1	6.3	10.0	20.2	12.6	16.8	23.3	14.3	20.0

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.4	22.0	22.6	28.0	27.0	27.3	28.9	28.0	28.4	29.8	28.9	29.2
2	22.1	21.2	21.6	28.5	27.1	27.4	28.6	27.2	27.7	29.2	28.9	29.1
3	21.8	20.9	21.2	28.4	27.3	28.0	28.3	26.8	27.4	29.9	28.8	29.2
4	22.4	21.4	21.7	28.8	27.3	27.8	28.0	26.5	27.2	29.6	28.2	28.9
5	24.6	22.1	22.9	29.6	28.2	28.7	29.0	27.4	27.7	28.3	27.3	27.7
6	24.5	22.9	23.4	29.7	28.8	29.0	29.7	28.4	28.7	27.3	26.4	26.8
7	24.7	23.4	23.7	30.9	29.5	30.0	29.8	28.7	29.3	26.6	25.6	26.2
8	26.4	24.4	25.1	30.8	29.6	30.3	29.4	28.8	29.1	26.8	25.5	25.9
9	26.2	25.5	25.7	30.7	29.7	30.1	29.1	28.4	28.7	26.8	25.5	26.1
10	27.4	25.8	26.4	31.1	29.8	30.1	29.4	28.4	28.6	26.3	25.3	25.8
11	27.1	26.1	26.5	30.9	30.4	30.6	30.2	29.1	29.4	25.7	24.8	25.1
12	27.3	26.1	26.6	30.8	30.2	30.5	30.9	29.6	29.9	25.0	24.2	24.8
13	27.3	26.3	26.7	30.5	29.0	29.7	31.0	30.1	30.4	25.7	24.9	25.1
14	27.3	26.6	26.8	29.1	28.4	28.6	31.4	30.4	30.8	25.7	25.1	25.4
15	27.6	26.7	27.2	29.2	28.4	28.7	31.7	30.5	31.1	25.2	24.8	25.0
16	29.1	27.1	27.9	29.2	28.8	29.0	31.6	30.4	31.1	25.9	24.7	25.2
17	28.2	27.2	27.8	30.4	29.1	29.8	31.5	29.9	30.2	---	---	---
18	28.2	27.1	27.5	30.9	29.5	30.2	30.3	29.0	29.6	26.2	25.5	25.7
19	27.6	26.4	27.2	30.8	30.2	30.4	30.0	29.0	29.4	28.2	25.7	26.9
20	26.9	25.7	26.4	31.1	29.3	30.3	30.4	29.1	29.6	28.1	27.0	27.3
21	26.4	24.6	25.4	31.5	29.3	29.8	30.9	29.7	30.2	27.6	26.6	27.0
22	26.2	25.5	25.7	31.5	29.9	30.6	30.7	30.1	30.4	27.8	26.7	27.0
23	27.3	25.5	26.1	31.4	30.1	30.6	30.8	29.8	30.4	27.8	26.8	27.0
24	28.2	26.4	27.1	31.1	29.8	30.2	30.6	29.4	29.9	27.9	27.0	27.3
25	27.7	27.1	27.4	30.5	29.7	29.9	29.6	28.3	28.9	27.8	27.0	27.4
26	27.6	27.0	27.3	30.7	29.7	30.2	28.6	27.6	28.1	27.4	26.6	26.8
27	28.1	27.1	27.3	31.2	29.9	30.5	28.4	27.6	27.8	27.0	26.4	26.8
28	28.2	27.6	27.9	31.4	30.4	31.0	28.7	27.3	27.9	27.0	26.3	26.6
29	27.8	26.7	27.1	31.8	30.0	30.7	29.2	28.1	28.5	26.6	25.9	26.2
30	27.6	26.4	26.9	30.2	29.2	29.7	29.2	28.6	28.8	26.5	25.3	26.0
31	---	---	---	29.6	28.8	29.2	30.0	29.0	29.4	---	---	---
MONTH	29.1	20.9	25.8	31.8	27.0	29.6	31.7	26.5	29.2	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.9	5.5	6.0	7.6	3.2	6.4	9.7	7.6	8.9	---	---	---
2	6.9	5.4	5.9	7.0	5.7	6.4	9.1	8.3	8.7	---	---	---
3	7.1	5.2	5.7	6.9	4.9	6.3	8.9	8.6	8.8	---	---	---
4	6.4	5.3	5.6	6.4	4.8	5.8	8.9	8.7	8.8	---	---	---
5	6.8	5.5	5.9	7.8	6.1	6.7	9.0	8.4	8.7	---	---	---
6	6.7	5.9	6.2	7.4	6.2	6.7	9.0	8.5	8.8	---	---	---
7	---	---	---	7.2	5.9	6.6	9.2	8.6	8.9	---	---	---
8	---	---	---	8.0	4.9	6.7	9.2	8.7	9.0	---	---	---
9	---	---	---	7.0	1.3	4.4	9.1	8.5	8.9	---	---	---
10	---	---	---	7.4	1.8	5.5	9.0	8.5	8.7	---	---	---
11	---	---	---	7.8	4.5	7.0	8.9	8.0	8.4	---	---	---
12	---	---	---	8.3	5.1	7.1	8.4	7.9	8.2	---	---	---
13	---	---	---	8.9	7.1	8.3	8.6	8.1	8.4	---	---	---
14	---	---	---	9.1	7.6	8.7	9.0	8.2	8.6	---	---	---
15	---	---	---	8.8	8.2	8.6	9.6	8.3	9.2	---	---	---
16	---	---	---	9.6	8.6	9.0	9.5	9.3	9.4	---	---	---
17	---	---	---	10.1	9.2	9.7	9.8	9.1	9.5	---	---	---
18	---	---	---	10.1	9.6	9.9	10.0	9.3	9.6	---	---	---
19	---	---	---	10.2	9.6	9.9	10.7	9.3	10.0	---	---	---
20	---	---	---	10.1	9.5	9.8	11.9	9.7	11.1	---	---	---
21	---	---	---	9.9	7.4	9.2	11.8	10.9	11.3	---	---	---
22	7.3	1.4	4.7	9.7	8.4	9.3	11.2	10.8	11.0	---	---	---
23	6.8	2.0	4.9	9.5	8.8	9.1	11.3	10.8	11.0	---	---	---
24	7.2	3.1	5.5	9.4	8.7	9.1	11.4	10.9	11.1	---	---	---
25	7.4	4.3	6.5	9.4	8.8	9.2	11.6	10.8	11.3	---	---	---
26	7.6	4.2	6.1	9.6	8.9	9.2	12.0	10.8	11.1	12.2	11.9	12.0
27	7.6	4.0	6.4	9.1	8.8	8.9	---	---	---	12.2	10.8	12.0
28	7.9	4.8	6.3	9.5	8.8	9.2	---	---	---	12.3	10.0	11.7
29	7.7	5.9	6.8	9.5	9.0	9.3	---	---	---	12.1	11.2	11.8
30	7.2	6.1	6.8	9.7	9.3	9.5	---	---	---	12.6	11.7	12.0
31	7.4	5.3	6.9	---	---	---	---	---	---	12.3	11.2	12.0
MONTH	---	---	---	10.2	1.3	8.1	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	12.3	11.8	12.2	11.1	10.1	10.8	8.6	7.8	8.3	8.5	7.4	7.8
2	12.3	9.8	11.9	11.2	10.9	11.1	8.8	7.6	8.1	8.1	7.3	7.8
3	12.2	11.9	12.1	11.3	11.0	11.1	7.9	7.5	7.7	8.6	7.2	7.7
4	12.2	9.4	11.6	11.4	10.9	11.2	7.9	7.3	7.6	8.7	6.9	7.8
5	12.0	9.4	11.3	11.4	11.1	11.3	8.0	7.3	7.6	9.2	7.3	7.9
6	11.9	9.6	11.6	11.4	11.0	11.2	8.0	7.3	7.7	8.5	7.3	7.8
7	11.8	11.0	11.6	11.1	10.6	10.9	7.8	7.5	7.6	7.3	6.8	7.1
8	11.6	11.0	11.5	10.7	10.2	10.5	7.6	6.7	7.2	7.2	6.5	7.0
9	11.5	11.0	11.3	10.6	9.9	10.4	7.4	6.6	6.9	7.1	6.6	6.9
10	11.2	10.7	10.9	10.3	9.8	10	7.1	6.4	6.7	7.3	6.4	6.7
11	11.3	10.6	10.9	10.3	9.7	10.0	6.8	6.3	6.6	7.1	6.2	6.7
12	11.0	10.6	10.8	10.6	10.0	10.3	7.3	6.4	6.9	6.9	6.0	6.4
13	10.9	10.4	10.6	10.4	10.0	10.2	7.6	6.8	7.3	6.8	5.9	6.3
14	11.0	10.3	10.5	10.4	9.8	10.2	7.8	6.7	7.5	6.3	5.7	6.0
15	10.6	10.2	10.4	10.1	9.7	9.9	8.2	7.3	7.9	6.5	5.8	6.1
16	10.6	10.4	10.5	10.4	9.7	10	8.4	7.9	8.2	6.9	5.9	6.3
17	10.5	9.7	10.3	10.5	10.0	10.3	8.3	8.0	8.2	6.9	6.2	6.4
18	10.5	9.4	10.1	10.8	10.1	10.5	8.2	7.8	8.1	6.6	5.8	6.2
19	10.4	9.8	10.1	11.1	10.2	10.7	8.1	7.7	8.0	6.1	5.5	5.8
20	10.3	9.8	10	11.1	10.5	10.8	7.9	7.3	7.7	6.1	5.7	5.9
21	10.3	9.8	10.1	10.9	10.2	10.5	7.5	7.1	7.2	6.5	5.9	6.2
22	10.4	9.8	10.1	10.7	9.9	10.3	7.4	6.8	7.1	6.6	6.0	6.2
23	10.4	10.0	10.3	10.3	9.3	9.8	7.3	6.6	6.9	6.9	6.0	6.2
24	10.6	10.2	10.4	9.5	8.7	9.1	7.0	6.3	6.7	6.6	6.1	6.3
25	10.6	9.6	10.3	9.2	8.5	9.0	7.5	6.8	7.1	6.6	6.0	6.3
26	10.5	9.9	10.1	9.0	8.4	8.6	7.4	6.8	7.1	7.1	6.0	6.4
27	10.7	10.0	10.3	9.1	8.4	8.7	7.4	6.8	7.1	6.9	6.0	6.4
28	10.9	10.1	10.7	9.2	8.4	8.9	7.9	7.1	7.4	6.6	5.9	6.2
29	---	---	---	9.1	8.3	8.7	8.1	7.2	7.5	6.5	5.9	6.2
30	---	---	---	8.9	8.2	8.5	8.1	7.3	7.7	6.8	5.9	6.3
31	---	---	---	8.8	8.0	8.4	---	---	---	8.0	5.7	6.8
MONTH	12.3	9.4	10.8	11.4	8.0	10.1	8.8	6.3	7.5	9.2	5.5	6.6

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	5.9	6.6	7.2	4.4	5.3	5.6	3.8	4.3	9.0	5.5	6.6
2	7.8	5.1	7.0	7.3	4.2	5.3	5.2	3.1	4.0	9.7	5.1	6.7
3	5.5	4.5	4.9	7.8	4.8	6.1	5.7	3.5	4.1	9.1	4.8	6.8
4	5.7	4.6	4.9	9.8	4.8	6.9	6.3	3.5	4.3	8.6	5.0	7.1
5	6.5	4.7	5.3	9.8	5.3	7.3	8.9	4.5	5.9	8.9	5.4	7.3
6	6.9	4.7	5.6	9.0	5.1	6.3	9.7	6.0	7.5	9.0	6.2	7.6
7	7.1	5.4	5.9	8.7	5.5	6.7	8.4	6.4	7.4	8.7	6.8	7.7
8	8.3	5.7	6.5	7.4	5.7	6.6	7.1	5.8	6.5	9.8	6.5	7.6
9	---	---	---	9.2	6.0	7.1	7.6	5.2	6.0	9.3	5.6	7.5
10	---	---	---	10.3	6.2	7.5	7.5	4.6	5.3	8.6	5.8	7.2
11	---	---	---	9.9	6.7	7.7	8.3	5.2	6.1	8.6	6.3	7.3
12	---	---	---	8.8	6.4	7.4	9.2	5.5	6.8	7.7	5.8	6.8
13	---	---	---	7.4	5.5	6.3	9.5	6.2	7.5	7.9	5.7	6.8
14	---	---	---	7.0	4.9	5.8	---	---	---	7.0	4.5	6.3
15	6.4	5.0	5.6	9.5	5.2	6.8	---	---	---	6.2	3.7	5.3
16	7.0	5.1	5.9	11.0	6.0	7.8	---	---	---	5.2	2.7	3.5
17	6.2	4.4	5.6	10.0	6.1	8.0	7.4	5.5	6.4	---	---	---
18	7.4	4.4	5.7	---	---	---	8.3	4.7	6.1	5.1	1.8	2.8
19	7.7	5.2	6.3	---	---	---	7.1	4.3	5.5	8.2	1.1	4.2
20	---	---	---	---	---	---	7.6	4.1	5.5	7.7	2.9	4.7
21	---	---	---	8.6	3.5	7.0	8.4	4.5	5.9	7.0	3.2	4.7
22	---	---	---	9.1	5.4	7.2	8.4	5.2	6.1	8.5	4.0	5.3
23	---	---	---	7.7	5.3	6.4	7.3	4.8	5.9	8.1	3.9	5.0
24	---	---	---	8.0	5.2	6.6	7.4	4.1	5.4	6.7	3.6	5.0
25	---	---	---	9.8	6.4	7.3	8.1	4.3	5.5	7.3	4.2	5.6
26	---	---	---	9.7	6.0	7.0	8.1	5.3	6.3	7.6	4.9	6.1
27	---	---	---	9.8	4.7	6.9	8.2	5.5	6.6	8.9	3.4	5.5
28	---	---	---	8.3	3.7	6.5	8.7	5.6	7.0	8.1	4.5	6.2
29	7.0	5.6	6.2	7.6	5.6	6.3	9.0	6.1	7.4	8.0	5.6	6.6
30	5.9	5.0	5.4	5.8	4.5	5.1	8.8	5.4	6.8	6.3	4.7	5.4
31	---	---	---	5.0	4.1	4.5	7.6	6.0	6.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.4	5.3	5.7	5.6	0.8	1.7	9.8	6.8	8.8	12.5	7.8	10
2	5.8	5.1	5.4	6.3	3.3	5.1	9.0	7.2	8.5	11.9	7.1	9.1
3	6.0	4.9	5.2	6.7	2.2	3.7	9.1	7.1	8.7	11.8	6.4	8.8
4	6.1	5.0	5.3	6.3	2.4	4.7	9.0	6.9	8.5	10.8	5.6	7.9
5	6.6	5.4	5.8	7.3	5.5	6.5	9.2	6.2	8.2	8.9	4.9	6.1
6	6.5	5.9	6.1	6.7	3.6	5.5	9.3	5.9	8.2	7.2	5.5	6.4
7	---	---	---	5.5	2.0	3.5	9.3	5.8	8.5	7.2	5.5	6.5
8	---	---	---	2.5	0.6	1.6	9.5	6.1	8.0	8.8	5.7	6.8
9	---	---	---	2.9	0.3	0.9	8.9	2.7	5.9	7.3	5.5	6.5
10	---	---	---	1.5	0.3	0.6	9.0	4.2	7.7	6.9	5.2	6.2
11	---	---	---	3.1	0.4	0.7	8.8	6.9	8.0	7.8	4.8	6.0
12	---	---	---	6.8	0.6	1.8	8.4	2.6	6.0	8.1	4.8	5.9
13	---	---	---	9.1	2.0	6.4	8.7	3.3	6.8	8.8	5.2	6.9
14	---	---	---	8.0	6.3	7.0	9.2	3.8	7.1	9.4	7.2	8.5
15	---	---	---	8.6	7.2	7.9	9.7	5.4	8.7	9.3	7.1	8.5
16	---	---	---	8.8	7.0	7.7	9.8	8.6	9.4	8.6	5.8	7.8
17	---	---	---	9.6	6.8	7.9	9.9	6.5	9.1	9.8	8.0	8.8
18	---	---	---	9.8	6.6	8.0	10.1	5.5	8.2	10.0	8.9	9.6
19	---	---	---	10.0	6.0	7.8	10.5	6.2	8.3	10.7	9.5	10.2
20	---	---	---	9.2	4.8	5.8	12.1	8.1	10.9	11.1	10.1	10.8
21	---	---	---	8.8	4.2	5.2	11.5	8.7	10.5	11.6	10.5	11.1
22	2.0	0.2	0.7	8.3	3.9	5.3	11.2	8.5	10.4	11.9	8.4	11.1
23	5.2	0.6	1.9	8.4	3.5	6.0	11.4	8.6	10.4	13.6	11.0	12.2
24	4.8	1.1	2.4	8.8	3.2	5.5	11.5	8.7	10.1	12.2	10.6	11.5
25	5.8	1.1	2.6	9.3	6.0	8.5	11.1	7.9	9.5	12.2	10.9	11.7
26	6.9	1.4	3.0	9.3	8.6	8.9	10.7	8.1	9.6	12.2	10.2	11.9
27	6.8	1.3	3.1	8.7	7.3	8.0	11.2	8.8	10.4	10.2	9.2	9.5
28	5.7	1.5	3.1	9.0	6.9	8.3	11.2	8.9	10.3	11.0	9.4	9.9
29	6.2	1.8	3.6	8.9	6.5	7.5	11.9	9.1	10.6	11.4	10.1	10.6
30	6.3	1.2	3.0	9.9	5.9	7.9	11.8	8.9	10.4	12.0	10.2	11.1
31	6.1	0.8	1.9	---	---	---	12.2	8.1	9.4	11.6	8.7	9.6
MONTH	---	---	---	10.0	0.3	5.5	12.2	2.6	8.9	13.6	4.8	9.0
		FEBRUARY			MARCH			APRIL			MAY	
1	11.4	8.6	9.4	10.5	9.3	10.2	8.6	8.1	8.3	8.5	7.5	7.9
2	10.9	8.0	8.5	10.7	10.4	10.5	---	---	---	8.0	7.5	7.7
3	11.5	8.1	9.2	10.7	10.5	10.6	---	---	---	8.8	7.3	7.8
4	10.7	7.0	7.8	10.9	10.6	10.7	---	---	---	9.0	7.1	8.0
5	9.0	7.4	7.8	10.9	10.7	10.9	---	---	---	9.4	7.4	8.1
6	9.8	6.9	7.5	10.9	10.7	10.8	---	---	---	9.0	7.4	8.1
7	7.6	6.9	7.2	10.7	7.0	10.1	7.4	6.9	7.1	7.6	6.8	7.2
8	11.2	7.0	10.1	10.4	9.9	10.2	7.2	6.5	6.9	7.6	6.9	7.4
9	11.1	7.0	9.6	10.5	10.0	10.2	7.2	6.3	6.5	7.4	6.4	7.1
10	10.8	6.5	9.6	10.5	8.7	10.2	6.7	6.0	6.3	7.2	6.1	6.8
11	10.6	8.6	9.7	10.5	10.1	10.3	6.5	5.7	6.4	7.0	5.9	6.6
12	10.6	9.4	10.1	10.8	10.3	10.7	7.2	6.2	6.8	6.6	5.8	6.2
13	10.2	9.0	9.7	10.7	10.5	10.6	---	---	---	6.8	5.9	6.3
14	10.1	9.2	9.9	10.6	10.2	10.5	---	---	---	6.1	5.6	5.8
15	10.1	7.9	9.1	10.3	10.1	10.2	---	---	---	6.3	5.5	5.9
16	9.8	7.2	8.3	10.5	10.1	10.2	---	---	---	6.4	5.8	6.0
17	9.1	6.9	7.7	10.6	10.2	10.4	---	---	---	7.0	5.9	6.1
18	9.9	7.5	8.9	10.8	10.4	10.6	---	---	---	6.3	5.6	6.1
19	9.6	8.6	9.3	11.0	10.7	10.8	---	---	---	6.3	5.6	5.8
20	9.4	8.8	9.1	11.0	10.6	10.8	---	---	---	6.2	5.6	5.9
21	9.6	8.3	8.6	10.8	10.1	10.6	7.6	7.0	7.3	6.6	5.9	6.2
22	9.4	8.2	8.5	10.5	10.1	10.3	7.5	6.7	7.1	6.4	5.9	6.2
23	9.7	8.0	9.0	10.2	9.3	9.7	7.5	6.7	7.1	6.3	5.9	6.1
24	10.0	8.8	9.5	9.4	8.7	9.0	7.3	6.4	6.9	6.4	5.9	6.1
25	10.0	8.8	9.2	9.1	8.6	8.8	7.7	6.9	7.3	7.0	6.0	6.2
26	9.6	8.8	9.1	9.0	8.3	8.6	7.6	7.1	7.4	7.2	6.2	6.5
27	9.9	9.0	9.5	9.2	8.5	8.7	7.7	7.1	7.3	7.2	6.0	6.3
28	10.4	9.0	9.8	9.5	8.5	8.9	8.0	7.4	7.7	6.4	6.0	6.2
29	---	---	---	---	---	---	8.1	7.5	7.7	6.8	6.0	6.4
30	---	---	---	---	---	---	8.1	7.5	7.9	6.8	6.0	6.4
31	---	---	---	---	---	---	---	---	---	7.6	5.9	6.6
MONTH	11.5	6.5	9.0	---	---	---	---	---	---	9.4	5.5	6.6

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.7	6.2	7.0	5.3	4.2	4.6	4.6	3.4	4.0	6.8	5.1	5.8
2	---	---	---	6.4	3.8	4.4	4.3	0.5	3.4	6.3	2.7	4.9
3	---	---	---	6.6	4.6	5.4	4.0	0.8	2.9	7.5	2.2	4.9
4	---	---	---	6.5	4.5	5.4	4.4	2.1	3.1	7.3	2.6	5.6
5	---	---	---	7.3	4.7	6.1	7.2	2.9	4.3	8.7	5.0	6.8
6	---	---	---	6.0	4.7	5.3	8.0	5.1	5.8	8.2	5.7	6.9
7	---	---	---	6.6	4.8	5.5	7.2	5.5	6.5	8.7	6.6	7.6
8	---	---	---	6.9	5.4	6.1	6.8	5.5	6.1	9.6	6.1	7.1
9	6.5	5.4	6.0	7.2	5.3	6.0	6.0	4.8	5.4	8.6	4.1	6.6
10	6.5	5.2	5.7	8.0	5.6	6.2	5.7	4.1	4.6	8.2	5.6	7.0
11	5.9	4.8	5.4	7.6	5.8	6.5	6.5	4.8	5.2	8.6	5.9	7.1
12	5.9	5.3	5.5	7.4	5.9	6.4	7.2	5.4	5.8	8.0	5.6	6.6
13	5.5	4.8	5.2	6.8	5.0	5.9	7.2	5.8	6.3	7.7	4.9	6.2
14	5.4	4.4	4.9	5.7	4.4	5.0	7.6	6.2	6.7	7.1	5.9	6.6
15	5.1	4.2	4.7	6.4	4.7	5.3	8.2	6.2	7.0	6.3	4.2	5.6
16	6.5	2.3	4.6	7.4	4.9	5.7	8.4	6.4	7.0	4.6	2.5	3.4
17	5.4	0.8	3.7	---	---	---	7.8	5.2	6.4	---	---	---
18	6.4	0.3	3.1	---	---	---	7.0	4.8	6.0	1.7	0.4	1.0
19	7.4	4.8	6.0	---	---	---	6.5	4.3	5.0	8.9	0.1	3.8
20	6.9	4.9	5.8	---	---	---	5.6	4.0	4.6	7.0	3.2	4.6
21	6.4	5.1	5.8	7.5	0.4	2.1	6.4	4.3	5.1	7.5	3.4	4.8
22	5.6	3.5	4.8	7.6	2.0	4.6	6.0	4.7	5.2	7.6	4.3	5.2
23	8.0	3.5	4.9	7.2	1.6	4.7	6.4	1.1	4.5	7.6	3.6	4.5
24	9.2	6.3	7.5	6.4	0.8	3.0	7.9	2.0	4.8	6.6	2.3	4.1
25	8.5	6.7	7.5	5.0	0.6	1.1	---	---	---	5.5	0.4	3.1
26	8.3	6.0	7.2	5.5	0.6	3.5	---	---	---	6.2	2.3	4.5
27	8.0	6.0	6.6	5.5	0.6	3.0	---	---	---	4.8	2.7	3.9
28	8.0	5.8	6.7	5.2	1.0	3.4	---	---	---	5.2	2.6	3.6
29	6.7	5.5	5.9	6.3	4.0	5.4	---	---	---	6.5	3.5	5.1
30	5.6	4.8	5.0	5.7	3.2	4.6	---	---	---	5.8	3.1	4.3
31	---	---	---	4.9	3.4	4.3	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	83	65	72	84	34	69	89	70	82	---	---	---
2	84	64	70	75	61	69	83	75	79	---	---	---
3	86	61	67	74	53	68	80	77	79	---	---	---
4	77	63	67	68	52	62	79	77	78	---	---	---
5	81	65	71	83	65	71	80	74	77	---	---	---
6	78	69	73	78	65	70	79	75	77	---	---	---
7	---	---	---	75	61	69	82	75	79	---	---	---
8	---	---	---	84	51	69	83	80	81	---	---	---
9	---	---	---	70	14	46	82	77	80	---	---	---
10	---	---	---	73	19	55	83	77	81	---	---	---
11	---	---	---	77	45	69	82	75	78	---	---	---
12	---	---	---	82	51	70	78	73	76	---	---	---
13	---	---	---	85	70	80	80	75	77	---	---	---
14	---	---	---	87	73	82	80	75	78	---	---	---
15	---	---	---	82	77	80	84	73	81	---	---	---
16	---	---	---	86	78	82	82	80	81	---	---	---
17	---	---	---	91	83	87	82	76	79	---	---	---
18	---	---	---	91	86	89	83	77	80	---	---	---
19	---	---	---	92	86	89	86	77	82	---	---	---
20	---	---	---	91	86	88	91	77	87	---	---	---
21	---	---	---	90	70	85	90	85	87	---	---	---
22	77	15	50	90	79	86	88	85	86	---	---	---
23	73	22	52	89	83	85	92	85	88	---	---	---
24	75	34	58	90	82	86	91	88	90	---	---	---
25	76	45	67	92	85	89	91	86	89	---	---	---
26	76	45	63	90	84	87	94	85	88	91	87	89
27	76	42	65	86	83	84	---	---	---	92	82	90
28	85	50	65	90	84	87	---	---	---	91	76	88
29	80	61	70	89	85	87	---	---	---	91	84	88
30	74	63	70	89	85	87	---	---	---	95	88	90
31	78	57	72	---	---	---	---	---	---	94	86	91
MONTH	---	---	---	92	14	78	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	94	90	92	93	85	90	89	79	85	93	80	85
2	95	76	91	94	89	92	91	78	83	89	78	84
3	94	91	93	94	89	92	81	76	78	94	78	84
4	94	74	90	94	91	92	82	74	77	95	74	84
5	95	73	88	95	92	93	82	75	78	99	78	85
6	96	76	91	94	91	92	81	76	79	87	75	82
7	96	89	93	94	90	92	83	77	79	75	68	71
8	96	89	93	92	87	90	80	72	76	74	64	71
9	95	91	93	91	86	88	79	70	74	72	67	70
10	94	91	92	91	84	87	75	67	72	78	66	70
11	94	88	91	93	84	88	74	68	70	75	68	71
12	93	89	91	94	88	90	76	69	73	77	64	70
13	94	89	91	94	88	90	77	70	74	75	65	70
14	95	89	90	93	86	90	78	66	75	72	62	66
15	93	88	90	91	85	88	80	70	76	75	65	69
16	94	90	92	91	86	88	81	75	79	80	67	72
17	94	86	91	91	86	89	80	77	78	81	71	74
18	93	82	89	92	86	89	80	77	79	75	66	71
19	92	86	89	94	86	91	82	78	80	70	63	66
20	91	86	88	96	89	93	82	76	79	70	65	68
21	93	86	89	95	91	93	80	73	76	74	66	70
22	92	87	90	95	90	93	80	72	77	76	67	70
23	94	88	91	93	87	90	80	72	75	81	69	72
24	93	89	92	89	84	86	76	69	72	76	69	72
25	92	83	89	88	82	86	80	70	75	74	67	70
26	91	85	88	86	81	84	79	72	75	81	67	72
27	92	86	89	87	81	84	80	72	75	79	67	73
28	92	86	91	90	81	86	85	75	79	77	67	71
29	---	---	---	89	81	85	87	76	80	77	68	72
30	---	---	---	90	81	85	88	77	82	80	69	73
31	---	---	---	88	80	84	---	---	---	95	66	80
MONTH	96	73	91	96	80	89	91	66	77	99	62	73

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	94	69	77	95	55	69	73	49	56	121	72	87
2	89	58	80	95	53	68	68	39	51	131	67	88
3	63	51	56	101	61	79	74	44	52	121	63	89
4	67	52	57	130	61	89	81	44	55	113	65	92
5	79	54	63	131	68	96	119	57	76	114	68	93
6	84	56	67	123	67	83	130	78	99	113	78	95
7	87	64	71	119	73	90	112	84	97	109	84	96
8	105	69	80	99	75	88	93	76	85	123	80	94
9	---	---	---	125	79	95	102	68	78	117	69	94
10	---	---	---	141	82	100	102	60	69	107	71	89
11	---	---	---	135	89	104	112	68	81	105	76	89
12	---	---	---	119	85	98	126	73	92	94	70	83
13	---	---	---	99	72	83	131	83	102	97	69	82
14	---	---	---	92	63	76	---	---	---	86	55	77
15	84	63	72	127	67	89	---	---	---	75	45	65
16	92	65	77	150	78	104	---	---	---	64	33	43
17	81	56	72	136	81	107	101	73	86	---	---	---
18	96	56	73	---	---	---	112	62	81	66	22	35
19	98	65	80	---	---	---	95	56	73	105	14	53
20	---	---	---	---	---	---	104	54	74	100	36	60
21	---	---	---	119	47	95	116	60	79	89	40	59
22	---	---	---	127	72	98	115	70	82	110	50	67
23	---	---	---	105	71	87	99	64	79	104	49	63
24	---	---	---	109	70	88	98	54	72	85	46	64
25	---	---	---	134	85	98	107	56	72	93	53	70
26	---	---	---	134	80	95	105	67	81	96	61	77
27	---	---	---	138	63	95	106	70	85	113	42	70
28	---	---	---	114	50	88	114	71	90	102	56	78
29	89	70	78	104	75	84	119	78	97	101	69	82
30	76	62	68	77	59	68	118	70	89	77	58	67
31	---	---	---	66	54	59	101	79	88	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	77	62	68	61	9	19	90	63	81	95	62	79
2	69	60	64	68	36	56	81	65	77	93	57	73
3	72	58	61	72	24	41	82	64	78	94	52	71
4	73	59	63	68	26	51	80	62	76	88	46	65
5	79	64	69	77	58	68	81	55	73	75	41	51
6	75	68	71	71	38	59	81	52	72	60	46	53
7	---	---	---	58	21	37	82	52	75	60	46	55
8	---	---	---	26	6	17	85	55	72	81	48	58
9	---	---	---	31	3	9	80	26	55	63	47	56
10	---	---	---	16	3	6	83	39	71	60	45	54
11	---	---	---	32	4	7	82	65	75	71	42	53
12	---	---	---	67	6	19	78	25	56	76	43	53
13	---	---	---	87	20	62	80	31	63	85	47	64
14	---	---	---	78	62	68	82	35	65	89	68	82
15	---	---	---	83	70	76	84	49	76	85	66	79
16	---	---	---	81	67	73	84	74	81	80	55	71
17	---	---	---	86	65	73	83	56	77	84	70	77
18	---	---	---	88	63	74	84	49	70	84	75	80
19	---	---	---	89	57	72	86	55	70	85	78	82
20	---	---	---	83	46	55	93	69	86	87	78	84
21	---	---	---	80	41	49	89	68	81	88	80	84
22	22	2	8	77	38	50	88	67	82	89	65	83
23	55	7	21	79	34	57	92	68	83	98	82	90
24	51	12	26	84	31	53	93	71	82	88	76	83
25	60	12	28	91	58	83	88	66	78	90	80	86
26	69	15	32	87	81	84	85	67	79	90	76	88
27	68	14	33	82	70	76	89	70	83	77	69	72
28	58	16	32	86	67	79	87	71	81	83	72	75
29	63	19	37	84	62	72	89	72	82	86	77	81
30	64	13	31	91	57	74	89	71	82	91	78	84
31	63	9	21	---	---	---	93	65	75	88	67	74
MONTH	---	---	---	91	3	54	93	25	75	98	41	72
		FEBRUARY			MARCH			APRIL			MAY	
1	87	66	73	89	79	86	88	82	85	93	80	85
2	83	62	66	90	85	87	---	---	---	87	81	83
3	89	63	71	89	86	87	---	---	---	96	78	84
4	82	55	61	90	87	88	---	---	---	98	76	87
5	70	58	61	90	88	89	---	---	---	101	80	87
6	78	54	59	90	87	89	---	---	---	92	76	84
7	60	54	57	90	59	85	79	72	75	77	68	72
8	92	55	82	90	84	88	76	70	73	77	68	74
9	92	56	79	91	83	87	77	67	70	74	66	71
10	91	53	81	92	74	88	71	63	67	76	62	70
11	89	71	80	94	88	91	70	61	68	74	61	70
12	88	77	84	95	90	93	75	67	72	74	62	68
13	87	74	80	96	92	93	---	---	---	76	64	69
14	87	78	85	94	90	92	---	---	---	68	61	64
15	87	66	78	93	89	91	---	---	---	73	61	67
16	86	60	70	92	89	90	---	---	---	74	66	69
17	79	58	65	92	88	90	---	---	---	81	67	71
18	89	63	78	92	88	90	---	---	---	73	63	70
19	84	74	81	93	90	91	---	---	---	73	64	66
20	83	76	79	94	91	93	---	---	---	71	63	68
21	84	72	75	95	88	93	79	73	76	74	66	70
22	83	71	74	93	90	92	80	71	76	73	66	70
23	87	70	79	93	86	89	82	73	77	73	68	70
24	88	78	84	88	83	85	78	69	74	74	67	70
25	87	77	80	86	83	84	82	72	77	78	67	70
26	84	77	79	87	80	84	81	75	78	82	68	73
27	86	78	83	88	82	84	83	75	78	82	67	71
28	88	78	84	92	81	86	85	78	81	74	68	71
29	---	---	---	---	---	---	86	79	82	80	69	73
30	---	---	---	---	---	---	88	79	84	80	70	74
31	---	---	---	---	---	---	---	---	---	89	68	77
MONTH	92	53	75	---	---	---	---	---	---	101	61	73

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	91	72	81	67	53	58	60	44	51	90	66	76
2	---	---	---	83	48	56	56	6	43	82	35	64
3	---	---	---	85	58	69	51	10	37	99	29	64
4	---	---	---	85	57	69	56	27	40	94	34	72
5	---	---	---	96	60	79	94	37	55	111	64	87
6	---	---	---	79	61	70	106	66	75	103	71	87
7	---	---	---	89	64	73	95	71	85	108	82	94
8	---	---	---	93	71	82	89	72	79	120	75	88
9	81	66	74	97	70	80	78	62	70	108	51	82
10	82	64	71	108	74	83	75	53	60	101	69	86
11	74	59	67	102	78	88	87	63	68	105	71	86
12	75	66	69	100	79	86	97	71	77	97	68	79
13	69	60	65	91	66	78	97	78	84	95	59	75
14	68	55	62	75	57	65	103	83	90	87	72	80
15	65	53	59	84	61	68	112	83	95	77	51	68
16	85	29	59	96	64	75	114	86	95	57	30	41
17	69	10	48	---	---	---	106	69	85	---	---	---
18	81	4	39	---	---	---	93	63	79	21	5	13
19	94	60	76	---	---	---	86	56	66	115	1	48
20	87	61	73	---	---	---	75	52	60	90	40	58
21	79	62	71	102	5	28	86	57	68	95	43	61
22	69	43	59	103	27	61	81	63	70	97	54	65
23	101	43	61	98	21	63	86	15	61	97	46	57
24	118	78	95	87	11	40	105	27	63	84	29	52
25	108	85	95	67	8	15	---	---	---	70	5	40
26	106	76	91	74	8	47	---	---	---	78	29	56
27	103	76	84	74	8	40	---	---	---	60	34	49
28	103	74	86	70	13	46	---	---	---	65	33	45
29	85	69	75	85	54	73	---	---	---	81	44	63
30	70	60	63	76	42	61	---	---	---	71	38	53
31	---	---	---	64	45	57	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5

LOCATION.--Lat 35°25'52", long 76°50'29", Beaufort County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 5.

PERIOD OF RECORD.--Water years 1989 to 1992, 1999 to current year.

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM): May 1989 to September 1992, May 1999 to current year.
pH (TOP AND BOTTOM): May 1999 to current year.
WATER TEMPERATURE (TOP): May 1989 to September 1992, May 1999 to current year.
WATER TEMPERATURE (BOTTOM): May 1999 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM): May 1989 to September 1992, May 1999 to current year.
DISSOLVED OXYGEN (MID): May 1989 to September 1992.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May 1989 to September 1992, May 1999 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION (MID): May 1989 to September 1992.

INSTRUMENTATION.--Water-quality monitor from May 1989 to September 1992. Constituents monitored were: specific conductance, top and bottom, water temperature top, dissolved oxygen, top, mid-depth and bottom. Water-quality monitor with satellite telemetry from May 1999 to current year. Constituents monitored were the same as previous water years except, mid-depth dissolved oxygen was not measured, water temperature, bottom, was added as well as pH top and bottom.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed on August 29, 1999 to prevent possible destruction of the equipment during Hurricane Dennis. It was reinstalled on September 9, 1999. The monitor was removed again on September 14, 1999 to prevent possible destruction during Hurricane Floyd. It was reinstalled on October 21, 1999. The monitor was removed on September 16, 2003, to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 20, 2003. The monitor was removed on September 11, 2005 to prevent possible destruction during Hurricane Ophelia. It was reinstalled on September 19, 2005. Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	19.6, August 21, October 21, 2002	<0.1, on many days during the period
SALINITY (BOTTOM), ppt	20.8, October 23, 2002	<0.1, on many days during the period
pH (TOP), standard units	9.5, June 8, 2005	6.2, October 22, 23, 24, 1999
pH (BOTTOM), standard units	9.1, May 20, 22, 2004	5.9, October 23, 1999
WATER TEMPERATURE (TOP), °C	33.1, July 31, 1999	0.0, December 3, 1989, January 24, 2003
WATER TEMPERATURE (BOTTOM), °C	31.6, August 15, 2005	0.1, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	18.9, January 13, 2005	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	18.6, January 5, 1992	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	13.2, January 7	0.1, April 3, 18
SALINITY (BOTTOM), ppt	13.9, January 6, 7	0.1, April 3
pH (TOP), standard units	9.5, June 8	6.6, May 16
pH (BOTTOM), standard units	9.0, March 25	6.5, May 29, 30, 31, June 1, 6, 7
WATER TEMPERATURE (TOP), °C	33.0, July 28	2.2, January 29
WATER TEMPERATURE (BOTTOM), °C	31.6, August 15	2.1, January 29
DISSOLVED OXYGEN (TOP), mg/L	18.9, January 1, 3	0.0, August 8
DISSOLVED OXYGEN (BOTTOM), mg/L	13.7, November 30	0.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	222, August 14	0, August 8
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	137, August 3	0, on many days during the year

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2.7	1.5	2.1	13.1	6.2	8.0	9.5	5.6	7.6	7.5	4.6	6.6
2	2.7	1.3	2.0	8.8	7.4	8.1	8.8	5.8	6.4	8.4	5.9	7.4
3	1.8	1.0	1.4	10.0	7.6	8.2	7.3	5.4	6.4	8.3	4.7	7.7
4	1.9	1.1	1.5	---	---	---	7.4	4.1	5.8	7.8	2.8	5.6
5	1.7	1.0	1.2	9.3	8.4	8.7	7.9	2.9	6.0	9.7	5.3	7.8
6	2.6	1.2	1.9	9.2	8.1	8.6	8.9	7.2	7.8	9.4	7.5	8.6
7	2.5	1.4	1.6	---	---	---	9.0	5.8	7.2	13.2	7.3	9.0
8	2.2	1.2	1.6	8.7	8.0	8.4	---	---	---	11.7	8.2	8.9
9	2.1	1.1	1.4	8.8	8.1	8.4	8.5	5.0	6.7	9.2	8.6	9.0
10	1.4	1.1	1.1	---	---	---	---	---	---	9.2	8.5	9.0
11	1.6	1.1	1.3	---	---	---	7.4	5.7	6.7	9.1	8.6	8.9
12	2.5	1.1	1.6	---	---	---	8.0	6.4	7.3	9.4	7.4	8.6
13	8.7	1.7	3.8	8.3	7.3	7.7	7.8	6.0	7.2	11.1	7.6	9.5
14	5.6	3.4	4.0	---	---	---	7.3	5.9	6.3	10.6	8.7	9.7
15	4.8	3.8	4.1	7.8	6.2	6.8	6.7	5.8	6.1	10.3	8.1	9.2
16	6.0	4.3	5.5	7.1	5.6	6.1	7.5	5.7	6.2	10.0	7.8	8.9
17	6.3	4.8	5.7	---	---	---	7.1	4.8	5.4	8.5	5.7	6.9
18	7.1	4.6	5.3	---	---	---	8.7	4.1	5.5	7.8	5.9	7.1
19	6.4	4.8	5.5	---	---	---	8.6	3.8	6.3	9.7	5.4	7.0
20	5.6	4.6	4.9	---	---	---	8.1	4.6	6.1	7.1	4.5	5.7
21	5.6	4.4	4.8	---	---	---	8.0	7.3	7.7	8.8	3.9	5.7
22	6.5	4.3	4.8	---	---	---	8.0	7.5	7.8	7.6	4.7	6.0
23	6.3	3.8	4.9	---	---	---	8.0	7.7	7.9	6.2	3.0	4.6
24	7.2	3.8	5.7	9.4	7.4	8.4	8.1	7.7	7.9	7.3	5.2	6.1
25	7.7	4.1	5.9	9.3	7.2	8.0	8.6	7.4	7.9	10	6.2	7.0
26	8.4	4.9	6.9	8.7	6.6	7.5	8.4	4.7	6.7	7.9	5.6	6.6
27	8.2	5.9	7.3	9.4	6.8	7.9	8.5	4.5	5.6	8.7	5.5	6.8
28	9.5	5.2	8.0	9.4	6.9	7.5	8.8	5.7	7.1	8.8	6.2	7.3
29	8.8	6.4	7.6	9.2	6.9	8.0	8.3	5.4	6.5	7.7	6.5	7.1
30	7.3	5.9	6.5	9.5	5.9	8.1	6.8	5.6	6.2	9.0	4.6	5.7
31	7.8	6.0	7.0	---	---	---	7.8	6.0	6.9	8.0	4.4	5.6
MONTH	9.5	1.0	4.1	---	---	---	---	---	---	13.2	2.8	7.4
		FEBRUARY			MARCH			APRIL			MAY	
1	7.1	4.7	6.0	8.5	7.0	7.5	2.1	0.6	1.0	5.7	4.3	5.2
2	8.8	5.4	7.5	7.9	5.2	6.8	1.6	0.5	1.1	5.3	4.7	4.9
3	8.5	4.8	6.2	6.0	4.8	5.4	1.6	0.1	0.4	5.7	4.5	4.9
4	5.8	3.3	4.3	7.3	4.3	5.2	1.2	0.6	0.9	5.9	4.6	5.0
5	9.0	4.9	6.9	6.0	4.5	5.3	2.3	0.3	0.7	5.8	5.0	5.3
6	9.5	4.2	6.5	5.5	3.6	4.2	0.8	0.3	0.5	5.7	3.2	5.1
7	9.5	6.7	8.6	5.1	4.1	4.5	1.8	0.4	1.1	4.4	3.2	3.8
8	9.7	7.1	8.5	8.4	4.8	6.2	1.7	0.3	1.0	4.3	3.1	3.6
9	9.4	4.8	8.2	7.4	6.5	6.9	2.7	0.5	1.4	6.4	2.5	3.3
10	8.6	4.7	6.4	7.5	6.2	6.7	2.5	0.6	0.9	4.6	3.2	3.7
11	9.7	6.4	8.1	7.5	5.6	6.4	2.8	0.5	0.8	4.3	2.9	3.4
12	10.7	8.6	9.7	8.0	5.6	6.9	3.2	1.1	1.8	5.0	2.1	2.7
13	12.2	8.6	9.5	7.1	6.1	6.7	2.2	0.8	1.6	4.2	2.8	3.3
14	10.7	8.9	9.7	6.9	6.4	6.7	2.0	1.0	1.6	3.3	2.1	2.8
15	10.1	8.0	8.9	6.6	4.7	5.9	2.4	0.8	1.7	2.8	1.9	2.3
16	9.8	7.6	8.5	7.3	4.0	5.2	1.8	0.6	1.0	5.6	1.7	2.3
17	8.5	7.1	7.7	7.3	5.8	6.4	0.7	0.3	0.4	3.6	2.2	2.9
18	8.6	6.8	7.7	6.3	4.5	5.7	1.2	0.1	0.3	3.8	2.2	2.8
19	10.9	6.8	8.0	4.7	3.5	3.9	0.9	0.2	0.3	2.8	2.0	2.3
20	10.6	8.3	9.0	3.5	1.6	2.3	2.2	0.2	0.5	2.5	1.8	2.2
21	9.2	7.8	8.4	7.6	1.0	3.1	4.7	0.8	2.1	3.2	2.2	2.6
22	9.1	7.7	8.1	4.4	2.6	3.3	5.9	2.7	3.1	3.2	1.7	2.0
23	9.3	7.7	8.3	4.3	1.3	2.6	3.9	2.6	3.2	2.4	1.8	2.1
24	9.1	7.8	8.6	2.6	1.2	1.6	4.9	2.3	3.7	2.3	1.6	1.9
25	8.3	7.6	8.0	3.0	1.3	2.1	5.3	4.3	5.0	3.0	1.5	2.1
26	8.6	6.6	7.7	1.6	1.3	1.4	5.4	4.7	5.0	2.9	1.6	2.3
27	9.5	5.4	7.4	1.3	1.2	1.2	5.2	3.5	4.3	3.1	1.9	2.3
28	9.3	7.0	8.3	1.7	0.7	1.2	4.7	3.7	4.0	2.8	1.9	2.3
29	---	---	---	2.1	0.9	1.5	5.7	3.7	4.8	2.7	1.9	2.2
30	---	---	---	3.3	0.9	1.4	5.8	4.6	5.2	4.2	2.1	2.8
31	---	---	---	1.9	0.7	1.4	---	---	---	5.5	2.6	3.6
MONTH	12.2	3.3	7.9	8.5	0.7	4.4	5.9	0.1	2.0	6.4	1.5	3.2

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.9	3.7	4.3	4.4	3.5	3.8	6.5	6.0	6.3	5.9	5.0	5.5
2	5.6	4.1	4.9	5.0	3.7	3.9	6.4	6.0	6.3	5.8	4.8	5.3
3	4.2	3.4	4.0	4.4	3.8	4.1	6.5	5.4	6.0	6.4	4.8	5.3
4	4.5	3.3	3.9	4.6	3.7	4.1	6.2	4.9	5.4	6.6	5.7	6.2
5	6.0	3.4	4.1	4.0	3.6	3.9	6.2	4.8	5.2	6.8	6.2	6.6
6	5.0	3.3	3.9	4.3	3.6	3.8	5.8	4.5	5.0	6.8	6.3	6.5
7	4.8	3.2	3.7	4.9	3.6	4.0	6.7	4.5	5.4	6.7	6.4	6.5
8	5.7	3.1	3.6	4.7	3.6	4.0	6.6	4.9	5.5	6.5	6.4	6.4
9	5.1	3.6	4.2	4.6	3.5	4.0	5.8	5.1	5.4	6.7	6.2	6.4
10	4.4	3.4	3.9	4.4	3.6	3.9	5.9	4.9	5.4	6.8	6.3	6.5
11	4.1	3.5	3.8	4.0	3.6	3.8	5.8	4.4	5.1	---	---	---
12	4.5	3.4	3.8	4.0	3.5	3.6	6.7	4.1	4.8	---	---	---
13	4.0	2.9	3.4	4.7	3.6	4.1	5.9	4.7	5.2	---	---	---
14	3.0	2.3	2.7	4.9	4.4	4.6	6.0	4.8	5.2	---	---	---
15	2.7	2.0	2.4	4.7	4.4	4.5	5.6	4.5	4.8	---	---	---
16	3.8	1.8	2.2	4.6	4.3	4.5	6.3	4.5	5.4	---	---	---
17	4.7	2.5	3.5	4.5	3.9	4.2	5.8	5.0	5.4	---	---	---
18	6.2	2.9	4.0	4.6	4.1	4.4	6.2	5.4	5.8	---	---	---
19	5.4	4.3	4.7	4.8	4.1	4.5	6.0	5.1	5.5	---	---	---
20	5.0	4.5	4.7	4.9	4.5	4.7	5.6	4.8	5.2	6.9	5.4	6.3
21	4.6	4.3	4.5	5.3	4.4	4.7	5.5	3.9	4.7	7.6	5.4	6.1
22	4.5	4.3	4.4	5.3	4.4	4.8	5.3	3.9	4.4	7.3	6.3	6.7
23	5.6	4.3	4.7	6.0	4.8	5.2	5.7	3.8	4.6	6.7	6.1	6.4
24	5.1	4.7	4.9	6.1	5.2	5.5	7.1	4.6	5.4	7.8	5.7	6.2
25	5.4	4.8	5.1	5.9	5.7	5.8	6.2	5.7	6.0	7.2	6.7	6.9
26	5.6	4.5	5.1	5.9	5.6	5.7	6.1	5.4	5.9	7.1	6.3	6.7
27	5.1	4.6	4.8	6.3	5.3	5.7	6.4	5.5	6.0	7.1	6.5	6.8
28	5.1	4.4	4.7	6.5	5.4	5.8	6.3	5.5	5.9	7.5	6.6	7.1
29	4.9	4.1	4.6	7.0	6.4	6.6	6.5	5.6	6.1	7.3	6.4	6.8
30	4.7	3.8	4.2	6.6	6.0	6.3	6.3	5.4	5.6	8.0	6.7	7.4
31	---	---	---	6.5	6.0	6.3	5.9	5.3	5.6	---	---	---
MONTH	6.2	1.8	4.1	7.0	3.5	4.7	7.1	3.8	5.4	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2.8	1.6	2.3	13.1	9.0	12.3	10.0	5.9	8.5	10.9	9.5	10.4
2	2.8	1.6	2.2	12.0	8.6	10.8	9.5	6.4	8.5	11.1	10.2	10.8
3	4.8	1.3	2.3	13.0	9.0	11.4	9.9	6.0	7.9	12.1	10.4	11.4
4	4.3	1.3	2.6	---	---	---	10.2	7.2	9.9	12.9	10.8	12.1
5	5.6	1.1	3.4	10.3	8.1	9.2	10	8.6	9.6	13.3	10	12.6
6	6.8	1.7	3.3	10.0	8.5	9.4	9.9	9.3	9.7	13.9	9.8	13.1
7	6.6	2.2	4.8	---	---	---	10	8.0	9.6	13.9	13.1	13.7
8	6.8	3.1	5.2	9.7	8.0	8.4	---	---	---	13.5	10.6	13.1
9	8.3	1.9	4.8	9.4	8.1	8.5	10.9	9.7	10.5	13.6	12.8	13.4
10	8.3	4.3	7.5	---	---	---	---	---	---	13.4	11.7	13.0
11	8.3	3.0	7.7	---	---	---	10.7	7.3	9.3	13.5	10.4	12.9
12	8.4	6.8	7.8	---	---	---	10.7	7.3	8.3	13.3	11.3	13.0
13	8.8	4.5	7.6	9.0	7.4	7.9	10.4	6.0	7.7	13.2	10.1	12.3
14	9.9	3.5	6.5	---	---	---	8.5	6.0	6.9	12.6	7.1	10.3
15	10.7	4.5	9.5	9.5	7.7	8.8	8.2	5.8	7.0	10.2	7.0	9.1
16	13.0	4.4	9.6	10.0	9.2	9.7	8.8	7.1	8.3	9.9	8.0	9.0
17	12.8	6.1	9.8	---	---	---	9.3	7.2	8.5	10.1	6.5	8.8
18	12.1	6.9	10.8	---	---	---	10.1	8.5	9.2	10.3	7.3	9.1
19	11.1	5.9	8.9	---	---	---	10.1	6.2	9.4	10.6	7.6	10.2
20	11.0	6.0	9.8	---	---	---	8.3	4.9	6.7	11.5	6.6	10
21	11.2	10.4	11.1	---	---	---	9.4	7.7	8.4	11.6	9.5	10.8
22	11.2	9.3	10.8	---	---	---	10.6	7.8	8.7	10.6	4.9	9.5
23	10.9	7.1	9.7	---	---	---	9.8	7.7	8.5	9.0	3.0	5.3
24	10.4	7.9	9.5	10.9	9.0	10.5	8.0	7.6	7.8	8.8	6.5	7.8
25	10.2	8.3	9.6	10.6	7.3	8.7	8.6	7.4	8.0	10.4	6.7	8.4
26	9.8	7.1	8.9	10.0	7.3	9.3	8.5	5.4	7.0	10.4	7.0	9.2
27	9.5	8.5	9.2	10.3	9.5	9.9	8.8	6.1	8.0	10.6	7.2	9.3
28	9.6	8.5	9.3	10.1	7.4	8.6	8.9	8.3	8.7	10.5	6.4	9.1
29	9.1	7.7	8.7	9.7	7.3	9.1	9.3	7.0	8.5	9.8	7.1	8.7
30	11.3	8.0	10	10.6	9.3	9.9	10.4	9.0	10.0	9.7	4.8	8.4
31	12.7	8.6	11.2	---	---	---	10.6	9.7	10.2	9.1	6.8	8.2
MONTH	13.0	1.1	7.6	---	---	---	---	---	---	13.9	3.0	10.4
		FEBRUARY			MARCH			APRIL			MAY	
1	10.1	7.9	8.8	8.9	7.0	7.8	3.2	0.8	2.1	5.7	4.5	5.3
2	10.8	7.3	9.0	8.6	6.0	7.2	1.8	0.5	1.2	5.6	4.9	5.3
3	10.7	8.5	9.7	8.3	5.2	6.3	1.8	0.1	0.5	6.0	4.5	5.1
4	10.6	8.6	9.5	9.6	8.1	9.1	3.6	0.7	1.3	6.1	4.9	5.3
5	10	8.0	9.7	10.2	4.8	8.3	5.9	0.8	3.8	5.8	5.0	5.3
6	9.8	9.6	9.8	10.8	6.5	9.9	4.8	0.9	2.7	5.7	3.2	5.1
7	10.9	9.7	10.1	10.9	6.5	9.7	6.1	1.6	4.1	5.9	3.2	4.7
8	11.0	9.0	10.1	10.6	5.3	8.1	5.1	0.5	2.5	5.9	3.5	4.6
9	11.0	9.5	10.6	8.0	6.7	7.3	2.8	0.5	1.6	6.8	3.7	5.6
10	11.3	6.0	10	9.5	6.5	7.4	5.4	0.8	2.3	5.4	3.6	4.8
11	11.8	6.8	10.2	9.7	5.6	7.5	5.3	3.3	4.3	4.4	3.3	3.9
12	12.2	9.7	10.9	8.3	5.6	7.0	4.4	1.3	2.9	5.2	2.4	3.8
13	13.0	10.6	12.0	7.8	6.8	7.1	2.4	0.9	1.7	5.0	2.9	3.7
14	12.1	9.7	10.7	6.9	6.4	6.8	2.1	1.1	1.7	5.0	2.7	3.6
15	12.0	10.1	11.2	7.8	6.4	6.7	2.4	0.9	1.8	5.4	2.0	3.9
16	12.1	8.2	10.2	8.0	5.4	7.1	1.8	0.6	1.1	5.6	3.1	5.0
17	12.4	8.1	11.7	7.3	5.8	6.5	2.8	0.4	1.4	5.1	2.3	3.6
18	12.1	6.9	9.0	6.8	5.3	5.9	4.1	0.8	2.8	4.1	2.7	3.4
19	11.3	7.7	10.2	7.1	4.7	6.5	4.5	2.3	4.1	3.8	2.2	2.9
20	11.0	9.1	9.8	7.6	6.9	7.3	8.0	3.7	5.9	3.8	2.3	2.9
21	10	8.1	9.2	7.7	5.7	7.5	12.0	8.0	10.2	3.5	2.2	2.7
22	10.9	8.1	9.3	7.0	3.7	6.0	10.7	7.4	8.8	4.1	1.7	2.6
23	10.3	7.8	9.2	6.2	1.4	3.7	9.3	2.6	5.7	4.1	1.9	3.0
24	9.3	7.8	8.7	6.8	1.6	5.6	9.5	2.3	5.1	4.8	1.7	3.3
25	9.4	7.8	8.6	5.4	1.4	4.0	5.7	4.6	5.2	4.1	2.1	2.9
26	10	8.8	9.6	5.6	1.5	3.7	6.4	5.1	5.6	4.1	1.8	2.9
27	10.1	8.6	9.8	5.7	3.1	4.5	7.6	4.0	5.3	4.9	2.6	3.8
28	9.5	7.1	8.5	5.6	1.0	3.0	6.4	3.8	5.2	6.8	2.8	4.9
29	---	---	---	2.6	1.2	1.8	6.7	4.7	6.1	7.8	5.1	7.3
30	---	---	---	4.6	1.8	3.0	6.4	4.8	5.6	9.7	7.6	8.6
31	---	---	---	3.0	0.8	1.7	---	---	---	9.7	6.3	8.3
MONTH	13.0	6.0	9.9	10.9	0.8	6.3	12.0	0.1	3.8	9.7	1.7	4.5

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.3	4.1	5.5	6.0	4.2	5.2	8.3	6.0	6.8	6.4	5.5	5.9
2	6.6	4.3	5.2	6.4	3.8	5.6	7.6	6.2	6.5	7.3	6.4	7.0
3	5.3	3.6	4.3	6.0	3.9	5.0	8.0	5.9	6.7	7.3	4.9	6.7
4	6.2	4.9	5.8	5.0	3.7	4.3	7.9	6.0	7.4	7.0	6.0	6.3
5	6.4	4.3	5.6	4.4	3.7	4.1	7.4	6.0	6.9	6.8	6.2	6.6
6	5.9	4.6	5.4	5.1	3.7	4.1	7.2	6.0	6.8	6.8	6.3	6.6
7	6.0	4.2	5.3	5.6	4.0	5.0	7.3	6.0	7.0	6.7	6.4	6.5
8	6.5	4.1	5.8	5.4	3.6	4.5	6.8	5.3	6.3	6.5	6.4	6.5
9	5.8	4.4	5.2	5.4	4.1	4.6	6.4	5.3	5.9	6.7	6.2	6.4
10	4.8	3.9	4.3	5.6	3.8	5.0	6.9	5.3	6.0	6.8	6.3	6.6
11	4.5	3.7	4.1	6.0	4.3	5.3	7.4	5.1	6.5	---	---	---
12	4.6	3.8	4.3	6.5	3.6	5.2	7.2	5.6	6.7	---	---	---
13	4.6	3.6	4.0	6.3	3.9	5.0	6.7	5.6	6.5	---	---	---
14	6.4	3.0	4.5	5.4	4.7	5.1	6.5	5.4	6.1	---	---	---
15	6.5	3.5	5.9	5.4	4.6	5.1	6.7	4.9	5.8	---	---	---
16	6.5	6.0	6.4	6.1	4.5	5.1	6.9	5.0	6.2	---	---	---
17	7.1	5.6	6.6	7.8	4.3	6.2	5.9	5.1	5.5	---	---	---
18	7.3	5.3	6.7	8.6	4.5	7.3	6.4	5.6	6.0	---	---	---
19	6.8	4.4	4.9	9.8	6.2	8.5	6.0	5.3	5.7	---	---	---
20	5.0	4.6	4.7	9.8	7.1	9.4	6.2	4.9	5.6	7.8	6.3	7.2
21	5.7	4.5	4.7	10.1	9.6	10	6.8	5.5	6.1	8.8	5.5	7.5
22	5.9	4.4	4.9	10	4.8	9.6	7.3	4.9	6.5	8.2	6.6	7.3
23	6.0	4.5	5.3	9.9	5.2	9.4	7.4	5.9	7.0	8.8	6.2	7.1
24	5.3	4.8	5.0	9.7	8.8	9.5	7.8	6.0	7.2	9.5	6.0	8.1
25	5.4	4.8	5.1	9.4	6.2	8.9	6.3	5.9	6.1	8.3	7.0	7.5
26	5.7	4.7	5.2	9.4	6.7	9.0	6.2	5.6	6.0	7.8	6.8	7.2
27	5.5	5.0	5.2	9.3	6.5	8.8	6.5	5.6	6.1	8.8	6.5	7.3
28	5.4	4.6	5.1	9.2	7.5	8.9	6.3	5.5	5.9	8.8	6.8	7.7
29	5.4	4.4	5.1	9.0	6.4	7.5	6.7	5.7	6.2	7.3	6.6	6.9
30	4.9	4.0	4.6	8.5	6.1	6.7	6.6	5.5	6.0	8.1	6.8	7.7
31	---	---	---	8.2	6.0	6.6	6.5	5.6	6.0	---	---	---
MONTH	7.3	3.0	5.2	10.1	3.6	6.6	8.3	4.9	6.3	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.3	7.6	8.5	7.6	8.1	8.7	8.2	8.4	8.7	8.0	8.3
2	8.4	7.4	7.8	8.4	7.8	8.0	8.6	7.5	8.0	8.8	8.3	8.5
3	8.3	7.2	7.6	8.2	7.3	7.8	8.1	7.8	7.9	8.7	8.3	8.4
4	8.8	7.4	8.0	---	---	---	8.6	7.7	8.0	8.6	8.2	8.5
5	8.4	7.6	8.0	7.8	7.3	7.6	8.7	7.8	8.1	8.3	7.9	8.2
6	8.5	7.5	7.8	7.9	7.5	7.8	8.3	7.3	7.8	8.3	8.0	8.1
7	8.5	7.6	8.0	---	---	---	8.4	7.3	7.9	8.3	7.8	8.1
8	8.6	7.6	8.1	7.9	7.8	7.9	---	---	---	8.4	7.9	8.2
9	8.6	7.9	8.2	7.9	7.8	7.9	8.2	7.4	7.9	8.4	8.2	8.3
10	8.7	8.0	8.3	---	---	---	---	---	---	8.6	8.3	8.5
11	8.6	8.0	8.3	---	---	---	8.3	8.0	8.2	8.6	8.5	8.6
12	8.6	7.4	8.2	---	---	---	8.3	7.9	8.1	8.8	8.5	8.6
13	8.2	6.8	7.5	8.0	7.8	7.9	8.3	8.0	8.1	8.8	7.8	8.4
14	7.7	7.0	7.4	---	---	---	8.2	7.8	8.1	8.5	7.6	8.2
15	8.0	7.3	7.7	8.3	7.9	8.1	8.2	7.8	8.0	8.4	8.0	8.2
16	8.5	7.3	7.7	8.4	8.2	8.3	8.3	8.0	8.1	8.4	8.0	8.2
17	8.6	7.6	8.2	---	---	---	8.5	8.2	8.2	8.2	7.8	8.0
18	8.5	7.7	8.3	---	---	---	8.4	7.4	8.2	8.3	7.9	8.1
19	8.7	7.9	8.3	---	---	---	8.7	7.5	8.2	8.4	8.0	8.2
20	8.6	8.4	8.5	---	---	---	7.9	7.4	7.6	8.2	7.9	8.0
21	8.6	8.3	8.5	---	---	---	8.2	7.7	7.8	8.2	7.7	8.0
22	8.5	8.2	8.4	---	---	---	8.0	7.8	7.9	8.2	7.8	8.0
23	8.6	8.2	8.3	---	---	---	8.1	7.9	8.0	7.8	7.1	7.2
24	8.5	7.7	8.2	8.4	7.7	8.1	8.0	7.8	7.9	7.5	7.2	7.3
25	8.8	7.4	8.1	8.5	7.7	8.1	8.0	7.8	7.9	7.8	7.4	7.5
26	8.3	7.4	7.8	8.4	7.9	8.1	7.9	7.6	7.9	7.8	7.6	7.7
27	8.6	7.3	7.8	8.4	7.9	8.1	7.8	7.6	7.7	7.9	7.6	7.7
28	8.7	7.1	7.5	8.4	8.0	8.3	8.3	7.7	7.9	7.9	7.7	7.8
29	8.6	7.4	8.0	8.5	7.9	8.2	8.1	7.9	8.0	7.8	7.7	7.8
30	8.7	7.8	8.4	8.6	8.1	8.4	8.1	7.9	8.0	7.8	7.4	7.6
31	8.7	7.8	8.2	---	---	---	8.4	7.9	8.1	7.7	7.4	7.5
MONTH	8.8	6.8	8.0	---	---	---	---	---	---	8.8	7.1	8.1
		FEBRUARY			MARCH			APRIL			MAY	
1	7.6	7.5	7.6	8.2	8.0	8.1	8.6	7.8	8.1	7.9	7.4	7.6
2	7.8	7.6	7.7	8.1	7.9	8.0	7.9	7.4	7.6	8.0	7.2	7.7
3	7.8	7.6	7.6	8.2	7.9	8.0	7.6	7.3	7.4	8.2	7.3	7.6
4	7.6	7.4	7.5	8.6	8.0	8.3	7.6	7.3	7.5	7.8	7.3	7.6
5	7.8	7.5	7.6	8.6	8.3	8.5	7.7	7.3	7.4	7.8	7.5	7.6
6	7.8	7.6	7.7	8.7	8.4	8.5	7.5	7.1	7.3	7.6	7.4	7.5
7	7.9	7.6	7.8	8.6	8.2	8.4	7.6	7.3	7.4	8.0	7.4	7.6
8	7.9	7.5	7.8	8.5	7.5	8.0	7.6	7.1	7.3	8.2	7.7	7.9
9	8.1	7.6	7.8	8.2	7.5	7.9	7.5	7.2	7.3	8.6	7.1	8.1
10	8.0	7.4	7.7	8.5	8.0	8.2	8.3	7.3	7.7	8.3	7.3	7.8
11	7.7	7.4	7.6	8.6	8.1	8.4	8.7	7.5	8.0	8.5	7.3	7.8
12	7.9	7.6	7.8	8.2	7.8	8.0	8.4	7.6	8.1	8.9	6.8	8.3
13	8.0	7.8	7.9	8.3	7.9	8.1	8.0	7.5	7.7	8.1	7.0	7.7
14	8.1	7.8	7.9	8.3	8.0	8.1	7.7	7.4	7.5	8.7	7.4	7.9
15	8.5	8.0	8.1	8.7	8.0	8.4	7.8	7.5	7.7	8.8	7.7	8.2
16	8.5	8.0	8.3	8.7	7.9	8.5	8.2	7.5	7.8	8.8	6.6	8.1
17	8.5	8.2	8.3	8.1	7.7	7.9	8.6	7.7	8.1	8.7	7.2	8.2
18	8.4	8.2	8.3	8.6	7.8	8.1	8.7	7.6	8.3	8.8	7.7	8.3
19	8.4	8.0	8.2	8.9	8.6	8.7	8.6	7.9	8.3	8.4	7.8	8.3
20	8.3	7.9	8.2	9.3	8.4	9.0	9.0	7.8	8.5	8.3	7.6	7.9
21	8.3	8.2	8.2	9.2	7.5	8.6	8.5	7.4	7.7	8.6	7.5	8.0
22	8.3	8.2	8.2	9.1	8.4	8.8	8.5	7.4	8.1	8.6	7.9	8.3
23	8.3	8.0	8.2	8.9	7.8	8.6	8.4	7.6	8.1	8.8	7.8	8.4
24	8.2	8.1	8.2	8.9	7.7	8.3	8.0	7.5	7.7	8.9	8.3	8.6
25	8.2	8.0	8.1	9.1	8.4	8.8	8.1	7.6	7.8	8.5	7.6	8.1
26	8.4	7.9	8.2	9.0	8.5	8.8	8.1	7.7	7.9	8.3	7.4	7.8
27	8.5	8.2	8.4	9.1	8.7	8.9	8.6	7.7	8.2	8.6	7.5	8.1
28	8.3	8.2	8.2	9.0	7.6	8.6	8.4	7.5	8.0	8.5	7.7	8.2
29	---	---	---	8.8	7.6	8.3	8.3	7.5	8.0	8.6	7.4	8.2
30	---	---	---	8.8	7.4	8.2	8.2	7.4	7.7	8.4	7.3	7.9
31	---	---	---	8.8	7.8	8.3	---	---	---	8.3	7.2	7.8
MONTH	8.5	7.4	8.0	9.3	7.4	8.4	9.0	7.1	7.8	8.9	6.6	8.0

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	7.2	7.7	8.9	7.8	8.3	8.6	7.7	8.2	9.1	8.3	8.7
2	7.4	7.1	7.3	8.8	7.2	8.3	8.8	8.0	8.5	9.4	8.6	9.0
3	8.5	7.2	7.6	8.6	7.6	8.1	9.0	8.5	8.7	9.1	8.0	8.9
4	8.1	7.1	7.6	8.9	7.4	8.3	9.0	7.6	8.8	8.9	8.5	8.7
5	8.7	6.8	7.9	8.5	7.8	8.1	9.3	7.7	9.0	8.7	8.2	8.4
6	8.6	7.0	8.0	8.7	7.5	8.2	9.2	8.2	9.0	8.8	8.3	8.5
7	9.4	7.2	8.4	8.5	7.3	8.1	9.2	7.5	8.6	8.7	8.2	8.4
8	9.5	7.2	8.9	8.2	7.0	7.9	8.8	7.3	8.2	8.5	8.2	8.3
9	8.9	7.9	8.4	8.5	7.3	7.9	8.5	7.4	8.1	8.7	7.9	8.4
10	8.9	7.4	8.0	8.7	7.0	8.1	9.1	7.4	8.3	8.5	8.1	8.3
11	8.4	7.5	7.8	8.9	7.7	8.5	9.3	7.3	8.9	---	---	---
12	8.2	7.4	7.8	8.8	8.2	8.5	9.2	7.5	8.8	---	---	---
13	8.6	7.5	7.9	8.5	7.3	7.8	9.3	7.9	8.7	---	---	---
14	8.8	7.8	8.2	8.2	7.2	7.5	9.3	8.4	8.7	---	---	---
15	8.8	7.7	8.2	8.3	7.6	7.9	9.2	8.7	8.9	---	---	---
16	8.4	7.4	8.1	8.8	7.9	8.3	9.0	8.1	8.7	---	---	---
17	7.7	6.8	7.3	8.8	8.2	8.5	8.8	8.3	8.6	---	---	---
18	8.2	6.7	7.7	8.5	8.1	8.3	8.8	8.3	8.5	---	---	---
19	7.6	6.8	7.3	8.6	8.0	8.3	9.3	8.3	8.6	---	---	---
20	7.5	7.2	7.3	8.6	7.8	8.3	9.2	8.2	8.8	8.9	7.4	8.3
21	8.2	7.2	7.6	8.8	8.0	8.4	9.4	8.3	9.0	8.6	7.1	8.2
22	8.4	7.6	8.0	8.7	7.6	8.2	9.2	8.2	8.9	8.4	7.3	8.1
23	8.4	7.1	8.0	8.6	7.4	8.1	9.1	7.9	8.7	8.7	7.7	8.2
24	8.6	7.4	7.9	8.7	7.9	8.3	8.8	7.4	8.6	8.5	7.3	8.3
25	8.2	7.5	7.9	8.8	7.7	8.3	8.8	8.1	8.4	8.4	7.9	8.1
26	8.1	7.6	7.9	9.0	8.1	8.5	9.1	8.3	8.6	8.3	7.3	8.0
27	8.6	7.6	8.0	8.7	7.5	8.4	8.8	8.5	8.7	8.5	7.7	8.2
28	8.5	7.4	8.0	8.7	8.2	8.6	8.7	8.4	8.6	8.4	7.9	8.1
29	8.0	7.2	7.6	8.4	7.7	8.1	8.6	8.5	8.6	8.3	7.7	8.0
30	8.8	7.2	8.0	8.4	7.9	8.1	8.7	8.2	8.5	8.0	7.5	7.7
31	---	---	---	8.6	7.7	8.1	8.7	8.5	8.6	---	---	---
MONTH	9.5	6.7	7.9	9.0	7.0	8.2	9.4	7.3	8.6	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	7.0	7.4	7.7	7.2	7.3	8.4	7.8	8.1	7.7	7.4	7.6
2	8.3	7.3	7.7	7.7	7.1	7.2	8.2	7.6	7.8	7.6	7.4	7.6
3	7.5	6.8	7.2	7.4	6.9	7.1	8.1	7.5	7.8	7.6	7.4	7.5
4	7.4	6.7	7.0	---	---	---	8.0	7.4	7.5	7.6	7.3	7.5
5	7.7	6.7	6.9	7.6	7.2	7.4	7.6	7.3	7.4	7.9	7.4	7.5
6	8.1	6.7	7.3	7.6	7.2	7.4	7.4	7.2	7.3	8.2	7.5	7.6
7	7.8	6.7	6.9	---	---	---	7.9	7.2	7.3	7.8	7.5	7.6
8	7.0	6.7	6.8	7.8	7.5	7.8	---	---	---	8.2	7.4	7.5
9	8.2	6.7	7.0	7.8	7.7	7.8	7.5	7.2	7.4	7.5	7.2	7.3
10	7.0	6.8	7.0	---	---	---	---	---	---	7.6	7.1	7.2
11	7.2	6.8	7.0	---	---	---	8.3	7.1	7.4	8.0	7.1	7.2
12	7.0	6.8	6.8	---	---	---	8.4	7.3	8.0	7.3	7.0	7.1
13	7.2	6.8	6.9	7.8	7.5	7.8	8.4	7.3	8.1	8.4	7.0	7.4
14	7.3	6.8	7.0	---	---	---	8.2	7.8	8.1	8.5	7.0	7.9
15	7.5	6.8	7.0	7.9	7.8	7.8	8.3	7.9	8.1	8.6	7.9	8.3
16	7.7	6.8	7.1	7.9	7.6	7.7	8.1	7.9	8.0	8.5	8.1	8.3
17	8.1	6.8	7.2	---	---	---	8.2	7.6	7.9	8.3	8.0	8.1
18	7.5	6.8	7.0	---	---	---	7.8	7.6	7.7	8.3	8.0	8.1
19	8.0	6.8	7.1	---	---	---	8.3	7.5	7.6	8.3	7.8	8.0
20	8.1	6.8	7.0	---	---	---	8.0	7.6	7.8	8.2	7.6	7.8
21	7.1	7.0	7.0	---	---	---	8.3	7.7	7.9	7.7	7.5	7.6
22	7.2	7.0	7.1	---	---	---	8.3	7.5	7.9	7.9	7.4	7.5
23	7.5	7.0	7.1	---	---	---	8.2	7.4	7.8	7.8	7.2	7.4
24	7.8	6.9	7.1	7.6	7.4	7.5	8.1	8.0	8.1	7.8	7.5	7.7
25	7.3	6.9	7.0	8.1	7.5	7.8	8.1	7.9	8.1	7.8	7.5	7.7
26	7.6	6.9	7.2	8.0	7.8	7.9	8.1	7.9	8.0	7.9	7.6	7.7
27	7.3	7.0	7.2	7.9	7.6	7.7	8.0	7.8	7.9	8.0	7.6	7.8
28	7.3	7.1	7.2	8.1	7.6	7.9	7.9	7.8	7.9	8.0	7.6	7.8
29	7.6	7.1	7.2	8.1	7.8	7.9	8.0	7.7	7.9	7.9	7.6	7.8
30	7.6	7.1	7.1	8.0	7.7	7.9	7.8	7.6	7.7	7.9	7.6	7.7
31	7.3	7.0	7.1	---	---	---	7.8	7.4	7.6	7.9	7.6	7.7
MONTH	8.3	6.7	7.1	---	---	---	---	---	---	8.6	7.0	7.7
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	7.6	7.7	8.2	8.0	8.1	8.2	7.2	7.5	7.8	7.4	7.5
2	7.9	7.3	7.8	8.1	7.9	8.0	7.8	7.3	7.5	7.7	7.1	7.3
3	7.9	7.3	7.6	8.2	7.9	8.0	7.5	7.2	7.3	8.0	7.2	7.5
4	7.8	7.5	7.7	8.1	7.8	7.9	7.4	7.0	7.3	7.8	7.2	7.4
5	7.8	7.6	7.7	8.6	7.7	7.9	7.4	7.1	7.2	7.8	7.5	7.6
6	7.8	7.6	7.7	8.3	7.5	7.7	7.5	6.9	7.0	7.7	7.4	7.6
7	7.8	7.5	7.6	8.4	7.4	7.7	7.6	6.9	7.1	7.6	7.4	7.5
8	7.7	7.5	7.6	8.3	7.5	7.7	7.4	6.8	7.1	8.1	7.1	7.6
9	7.6	7.5	7.5	8.0	7.5	7.8	7.6	7.2	7.4	7.5	7.0	7.2
10	7.7	7.5	7.6	8.3	7.5	7.9	7.9	6.7	7.3	7.9	6.9	7.1
11	7.8	7.5	7.7	8.4	7.4	8.0	7.6	6.8	7.0	7.9	6.8	7.3
12	8.0	7.6	7.8	8.2	7.6	7.9	8.2	6.9	7.5	8.3	6.8	7.2
13	8.0	7.6	7.7	8.1	7.7	7.9	8.0	7.5	7.8	8.1	6.9	7.4
14	8.1	7.5	7.8	8.2	7.9	8.0	7.7	7.4	7.6	7.9	6.8	7.3
15	8.1	7.3	7.6	8.2	7.3	7.9	7.9	7.5	7.7	8.5	6.7	7.1
16	8.4	7.2	7.8	8.3	7.3	7.7	8.2	7.5	7.8	7.3	6.7	6.8
17	8.3	7.3	7.4	7.9	7.6	7.8	8.3	7.4	7.7	8.5	6.7	7.4
18	8.4	7.3	8.1	8.3	7.5	7.9	7.9	7.2	7.3	8.6	6.8	8.1
19	8.4	7.7	8.0	8.4	7.4	7.7	7.4	7.1	7.2	8.2	6.9	7.7
20	8.3	7.8	8.0	7.6	7.4	7.5	7.2	7.0	7.2	7.8	6.8	7.3
21	8.3	7.6	8.0	8.1	7.4	7.5	7.3	7.2	7.3	8.4	7.4	7.7
22	8.3	7.5	8.0	8.8	7.1	7.6	7.2	7.1	7.2	8.2	6.8	7.6
23	8.4	7.6	8.1	8.7	7.1	8.1	8.3	6.9	7.4	8.5	6.6	7.5
24	8.3	8.1	8.2	8.1	7.0	7.2	8.0	7.0	7.5	8.5	6.6	7.2
25	8.2	7.8	8.1	9.0	7.0	7.6	8.0	7.5	7.7	8.1	6.6	7.4
26	8.2	7.9	8.1	8.6	6.9	7.6	8.0	7.3	7.7	8.0	7.0	7.3
27	8.3	7.8	8.0	8.2	6.8	7.2	8.4	7.0	7.6	7.2	6.8	6.9
28	8.3	8.1	8.2	8.9	6.9	7.6	8.1	7.0	7.6	7.2	6.6	6.8
29	---	---	---	8.6	7.4	8.0	8.0	7.2	7.4	6.8	6.5	6.6
30	---	---	---	7.9	7.0	7.3	7.9	7.2	7.5	6.7	6.5	6.6
31	---	---	---	8.9	7.1	8.1	---	---	---	6.6	6.5	6.6
MONTH	8.4	7.2	7.8	9.0	6.8	7.8	8.4	6.7	7.4	8.6	6.5	7.3

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	6.5	6.9	7.6	6.9	7.0	8.6	7.0	7.7	8.7	8.0	8.4
2	7.2	6.6	7.1	8.6	6.8	7.1	8.6	7.0	8.1	8.0	7.2	7.5
3	8.1	6.8	7.1	7.8	6.9	7.2	8.7	7.0	7.9	8.8	7.2	7.6
4	6.8	6.6	6.6	8.3	6.9	7.4	8.6	7.1	7.3	8.7	7.3	8.3
5	7.0	6.6	6.7	8.2	7.0	7.5	7.9	7.1	7.2	8.5	8.1	8.3
6	6.8	6.5	6.6	8.1	7.0	7.6	7.7	7.1	7.1	8.6	8.1	8.3
7	7.1	6.5	6.7	8.1	6.9	7.1	8.2	7.1	7.2	8.4	8.0	8.2
8	7.2	6.7	6.8	8.1	6.9	7.4	7.8	7.1	7.3	8.2	7.4	8.1
9	7.2	6.7	6.8	8.1	6.9	7.2	8.3	7.1	7.4	8.4	7.6	8.1
10	7.7	6.7	6.9	8.1	6.8	7.0	8.0	7.1	7.5	8.2	7.9	8.0
11	7.9	6.8	7.3	7.6	6.8	6.9	8.7	7.3	7.6	---	---	---
12	7.7	6.9	7.3	8.3	6.9	7.2	8.0	7.3	7.5	---	---	---
13	7.6	6.8	7.1	7.9	6.8	7.2	8.1	7.4	7.5	---	---	---
14	7.8	6.7	7.0	7.3	7.0	7.1	8.3	7.4	7.7	---	---	---
15	7.3	6.7	6.8	7.4	7.0	7.1	8.8	7.5	7.8	---	---	---
16	6.8	6.7	6.8	8.2	6.9	7.4	8.7	7.5	7.8	---	---	---
17	6.9	6.8	6.8	8.4	6.9	7.2	8.7	7.8	8.4	---	---	---
18	7.1	6.8	6.8	8.0	7.0	7.1	8.8	7.7	8.5	---	---	---
19	7.7	6.8	7.4	7.2	6.9	7.0	8.9	8.2	8.5	---	---	---
20	7.6	7.3	7.5	6.9	6.8	6.9	8.9	7.5	8.3	7.7	7.1	7.3
21	7.6	7.0	7.3	7.0	6.9	6.9	8.4	7.4	7.6	8.6	7.0	7.3
22	8.0	7.0	7.4	8.3	7.0	7.0	8.7	7.3	7.6	8.3	7.1	7.4
23	8.0	6.9	7.2	8.1	7.0	7.0	7.8	7.2	7.3	8.1	7.1	7.5
24	8.3	6.9	7.6	7.0	6.9	7.0	8.1	7.1	7.3	8.3	7.1	7.3
25	8.2	7.5	7.9	7.3	6.9	7.0	8.6	7.9	8.2	8.2	7.1	7.6
26	8.1	7.6	7.8	7.1	7.0	7.1	8.7	8.2	8.4	8.2	7.4	7.8
27	7.8	7.1	7.5	7.1	7.0	7.1	8.8	8.5	8.7	8.4	7.2	7.8
28	7.6	6.9	7.2	7.1	7.0	7.1	8.8	8.4	8.6	8.2	7.2	7.7
29	7.5	6.9	7.0	8.4	7.0	7.6	8.7	8.6	8.6	8.4	7.8	8.1
30	7.7	7.0	7.3	8.4	7.0	7.8	8.6	8.1	8.4	8.0	7.2	7.7
31	---	---	---	8.3	7.0	7.9	8.7	7.9	8.4	---	---	---
MONTH	8.3	6.5	7.1	8.6	6.8	7.2	8.9	7.0	7.9	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.4	23.7	24.0	20.1	17.7	19.3	13.3	12.6	13.0	6.3	5.4	5.8
2	24.7	23.7	24.2	20.4	18.9	19.5	13.2	12.0	12.4	6.4	5.8	6.0
3	24.8	24.0	24.2	20.0	19.1	19.7	12.2	11.3	11.8	8.4	5.8	6.2
4	25.5	23.8	24.4	---	---	---	12.3	10.8	11.5	9.4	6.8	8.3
5	24.8	23.6	24.3	19.1	17.8	18.4	12.4	9.7	11.5	9.2	6.8	8.2
6	23.6	22.5	22.9	18.0	17.2	17.6	12.6	11.8	12.1	9.5	8.3	9.0
7	22.6	21.6	22.1	---	---	---	13.7	11.9	12.6	10.9	7.2	9.7
8	22.9	21.2	21.8	16.8	16.0	16.5	---	---	---	11.3	8.4	10.5
9	22.5	21.6	22.0	16.0	15.0	15.5	14.3	13.5	13.8	11.3	10.3	10.8
10	23.1	21.5	22.2	---	---	---	---	---	---	11.4	10.4	10.8
11	22.2	21.5	21.9	---	---	---	15.2	13.3	14.2	11.4	10.7	11.0
12	21.8	20.7	21.3	---	---	---	13.3	12.0	12.7	12.2	10.7	11.1
13	22.2	20.9	21.6	15.2	13.6	14.5	12.4	11.3	12.0	12.2	10.4	11.4
14	22.2	21.3	21.5	---	---	---	11.4	10.1	10.7	13.1	11.8	12.3
15	21.5	20.3	20.8	12.9	11.8	12.3	10.1	8.4	9.2	12.3	10.8	11.4
16	20.5	19.2	19.8	12.5	10.8	11.8	9.2	7.0	8.2	10.9	9.0	9.9
17	19.5	18.6	19.2	---	---	---	8.6	7.1	7.6	9.3	7.7	8.6
18	19.3	18.1	18.8	---	---	---	9.5	7.6	8.1	7.8	5.9	6.8
19	20.8	18.8	19.5	---	---	---	9.5	7.8	8.6	7.0	4.3	5.6
20	20.3	20.0	20.2	---	---	---	8.7	5.5	7.4	6.1	4.3	5.2
21	20.0	19.4	19.8	---	---	---	6.7	5.6	6.2	5.6	4.2	5.2
22	19.5	18.5	18.9	---	---	---	7.0	5.8	6.4	5.3	3.5	4.1
23	18.5	17.6	18.0	---	---	---	8.3	6.6	7.4	4.8	3.5	4.1
24	18.3	16.8	17.5	15.0	13.9	14.4	8.7	7.4	7.8	3.5	2.5	3.0
25	17.9	16.0	16.9	15.9	14.3	15.1	7.4	6.3	6.8	3.7	2.4	2.9
26	17.9	16.1	17.0	14.3	12.7	13.5	6.3	4.7	5.6	4.5	2.7	3.6
27	18.0	17.4	17.6	13.5	11.7	12.5	5.2	4.2	4.5	4.3	3.4	3.9
28	18.4	17.0	17.8	13.5	12.2	12.9	5.4	3.0	3.9	3.4	2.7	3.0
29	18.2	17.2	17.7	13.3	12.3	12.9	5.6	3.1	4.2	3.7	2.2	2.8
30	19.0	17.5	18.1	13.2	12.5	13.0	5.2	4.5	4.9	3.3	2.8	3.2
31	20.1	18.2	19.0	---	---	---	6.2	5.0	5.3	3.7	3.0	3.4
MONTH	25.5	16.0	20.5	---	---	---	---	---	---	13.1	2.2	7.0
		FEBRUARY			MARCH			APRIL			MAY	
1	3.6	3.0	3.3	8.5	7.9	8.3	16.3	15.2	15.6	18.2	17.4	17.7
2	4.5	3.0	3.5	8.0	6.9	7.3	16.6	15.5	16.0	18.8	17.5	18.1
3	4.2	3.5	3.9	7.0	6.2	6.6	15.8	14.4	15.2	19.6	17.4	18.0
4	4.5	3.9	4.2	8.2	6.2	7.0	15.4	14.2	14.8	19.1	17.6	18.2
5	4.9	3.9	4.3	8.2	7.0	7.6	16.0	14.5	15.3	18.3	17.6	17.9
6	5.8	4.2	4.8	8.7	7.3	8.0	16.8	15.2	15.9	17.6	15.2	16.5
7	5.5	4.6	4.9	9.5	7.8	8.6	17.4	16.0	16.7	16.4	14.4	15.4
8	6.2	4.7	5.5	9.8	8.2	9.1	17.9	16.9	17.4	17.2	15.8	16.4
9	8.2	5.2	5.8	8.7	7.5	8.2	17.6	16.2	17.0	18.2	16.4	17.0
10	8.3	5.9	7.5	8.8	7.4	8.1	17.1	16.0	16.5	19.0	17.3	18.0
11	6.7	5.3	5.8	9.5	8.0	8.6	17.7	16.0	16.6	22.0	18.1	19.1
12	6.1	4.8	5.5	9.1	7.9	8.6	17.2	16.0	16.6	22.6	18.4	20.3
13	6.2	5.2	5.7	9.8	8.3	9.1	16.0	14.8	15.4	20.8	19.5	20.3
14	7.1	6.0	6.4	9.7	9.0	9.3	14.8	14.1	14.6	21.5	19.7	20.4
15	8.0	7.0	7.2	10.3	8.4	9.4	14.1	12.9	13.6	22.6	20.5	21.3
16	9.5	7.0	8.2	9.8	9.0	9.3	12.9	12.1	12.7	22.1	19.1	21.4
17	9.9	9.0	9.4	9.1	8.0	8.5	13.5	12.2	12.8	22.5	20.8	21.5
18	9.3	8.4	8.8	8.7	7.8	8.3	14.9	12.6	13.5	22.5	20.5	21.5
19	8.8	7.2	8.0	9.0	8.3	8.6	16.0	14.2	14.9	21.8	21.1	21.5
20	8.5	7.8	8.2	12.1	8.3	9.6	18.0	15.1	16.2	22.1	21.3	21.7
21	9.6	8.3	8.8	12.2	8.8	10.4	17.2	14.4	16.1	21.8	20.8	21.3
22	9.7	9.1	9.3	12.1	10.5	11.4	18.6	14.4	17.6	21.7	20.8	21.3
23	10.2	9.2	9.6	12.5	11.3	11.9	18.4	17.3	17.9	22.6	21.0	21.7
24	9.6	9.1	9.3	13.8	12.1	12.7	17.6	15.1	16.2	23.2	21.7	22.2
25	9.1	8.4	8.7	13.3	12.3	12.8	15.8	14.1	15.1	22.0	20.6	21.3
26	9.1	6.9	8.2	13.5	12.5	12.9	15.5	14.8	15.1	21.6	19.9	20.7
27	9.3	8.0	8.4	13.2	12.8	12.9	17.0	15.2	16.0	22.8	20.7	21.6
28	8.6	8.0	8.3	14.3	13.0	13.5	17.2	15.6	16.4	23.0	21.5	22.3
29	---	---	---	14.6	13.1	13.7	16.8	15.7	16.3	23.8	22.1	22.9
30	---	---	---	15.0	13.4	14.1	17.8	16.4	16.9	23.4	22.4	22.8
31	---	---	---	15.6	14.2	14.8	---	---	---	23.1	22.0	22.5
MONTH	10.2	3.0	6.8	15.6	6.2	10.0	18.6	12.1	15.7	23.8	14.4	20.1

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.3	21.4	21.9	29.6	27.1	27.8	29.3	28.3	28.9	30.2	28.2	29.0
2	21.4	20.7	21.0	29.8	27.3	28.3	30.0	28.4	29.2	31.0	29.0	29.7
3	22.4	21.0	21.5	28.8	27.5	28.0	30.9	28.8	29.7	29.5	28.6	29.1
4	22.4	21.7	22.0	29.5	27.5	28.3	30.2	28.9	29.5	28.9	27.7	28.3
5	25.4	20.9	22.9	29.0	27.6	28.1	30.9	29.2	29.8	27.7	27.1	27.4
6	25.7	22.3	24.5	30.3	28.0	29.2	30.8	29.6	30.1	27.1	26.3	26.7
7	27.4	23.5	25.2	30.5	29.0	29.8	30.6	29.3	30.0	26.5	25.9	26.2
8	27.1	22.0	25.9	30.1	28.0	29.4	30.2	28.9	29.3	26.4	25.6	25.9
9	27.1	25.3	26.2	30.0	28.8	29.2	29.1	28.5	28.8	26.8	25.3	26.0
10	27.2	25.0	26.1	30.2	28.5	29.3	29.8	28.3	28.7	26.2	25.1	25.6
11	26.8	25.4	26.1	30.6	29.1	29.9	30.5	28.7	29.7	---	---	---
12	27.2	25.7	26.5	30.3	29.5	29.9	31.4	29.6	30.2	---	---	---
13	28.6	26.7	27.4	29.8	27.9	28.9	32.2	30.0	30.7	---	---	---
14	29.5	27.3	28.1	28.5	27.9	28.1	32.6	30.2	30.9	---	---	---
15	30.2	27.9	29.0	28.9	27.8	28.1	32.8	30.8	31.4	---	---	---
16	30.3	28.7	29.4	29.9	28.1	28.7	31.6	30.2	31.0	---	---	---
17	29.0	27.1	27.9	30.4	28.6	29.4	31.0	30.1	30.5	---	---	---
18	28.3	26.5	27.4	30.6	28.8	29.5	30.4	29.6	30.0	---	---	---
19	27.0	26.3	26.6	30.8	29.1	30.0	31.4	29.5	29.9	---	---	---
20	26.3	25.5	25.9	31.1	29.5	30.3	32.4	29.5	30.3	28.2	26.5	27.2
21	26.2	24.7	25.5	32.2	29.9	30.6	32.7	29.8	31.4	27.7	26.0	27.0
22	26.8	24.9	25.8	32.5	29.9	30.6	32.0	30.3	31.0	27.1	26.3	26.6
23	27.0	25.2	26.2	31.4	29.5	30.4	31.6	30.1	30.7	28.2	26.2	27.0
24	27.6	25.4	26.0	31.2	29.6	30.2	30.1	29.3	29.7	27.7	26.7	27.3
25	26.6	25.7	26.2	31.4	29.1	29.9	29.4	28.2	28.9	27.5	26.3	26.8
26	26.5	26.0	26.2	32.6	29.6	30.5	29.1	27.8	28.2	27.1	26.4	26.8
27	28.0	26.2	26.7	32.4	30.1	31.0	28.3	27.4	27.9	27.2	26.3	26.8
28	27.8	26.8	27.4	33.0	31.0	32.0	29.0	27.1	27.9	26.7	25.6	26.2
29	27.4	26.4	26.8	31.5	30.1	30.5	28.9	27.6	28.3	27.1	25.7	26.3
30	29.1	26.0	27.1	30.6	29.6	29.9	29.0	27.9	28.1	26.5	24.9	25.5
31	---	---	---	29.7	28.9	29.3	29.5	28.6	29.0	---	---	---
MONTH	30.3	20.7	25.8	33.0	27.1	29.5	32.8	27.1	29.7	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.2	23.6	23.9	19.1	17.6	17.9	13.4	12.8	13.1	5.8	5.4	5.6
2	24.7	23.7	24.2	19.1	18.1	18.4	13.4	12.6	13.1	5.8	5.5	5.6
3	24.4	23.8	24.2	19.3	18.0	18.5	13.2	11.5	12.3	6.0	5.6	5.7
4	24.4	23.8	24.1	---	---	---	12.9	12.0	12.8	6.2	5.8	5.9
5	24.3	24.0	24.1	19.1	18.0	18.4	12.8	12.3	12.7	7.4	5.8	6.1
6	24.1	22.6	23.3	18.2	17.4	17.9	12.9	12.6	12.8	8.6	6.0	6.4
7	24.0	22.2	23.2	---	---	---	12.9	12.3	12.8	7.2	6.2	6.5
8	23.9	22.5	23.3	17.4	16.1	16.5	---	---	---	9.7	6.7	7.2
9	23.8	21.9	23.0	16.1	15.4	15.6	13.0	12.5	12.7	8.3	6.8	7.3
10	23.8	22.7	23.6	---	---	---	---	---	---	9.0	7.3	7.8
11	23.6	22.2	23.1	---	---	---	14.1	12.9	13.4	9.7	7.4	8.0
12	23.1	22.5	22.7	---	---	---	13.6	12.4	13.0	9.4	7.9	8.3
13	22.5	21.8	22.2	15.0	14.0	14.5	13.2	11.3	12.2	11.5	8.0	9.1
14	22.4	21.4	21.9	---	---	---	11.4	10.3	10.9	12.9	8.8	11.5
15	22.0	20.3	21.8	13.6	12.2	13.1	10.3	9.1	9.7	12.0	10.8	11.3
16	21.8	20.2	21.1	13.4	12.9	13.2	10.2	9.2	9.9	10.8	9.3	10.0
17	21.5	18.8	20.5	---	---	---	9.9	8.8	9.7	9.9	8.3	9.1
18	21.2	19.6	20.7	---	---	---	10.0	9.6	9.8	8.7	6.9	7.6
19	20.8	19.6	20.1	---	---	---	10.0	8.9	9.9	7.6	6.0	7.2
20	20.7	19.9	20.5	---	---	---	9.0	7.0	7.7	7.6	5.2	6.8
21	20.7	20.5	20.6	---	---	---	7.6	6.3	7.0	7.2	6.3	7.0
22	20.7	20.1	20.5	---	---	---	7.6	6.2	7.1	7.1	4.4	6.5
23	20.5	18.9	19.8	---	---	---	8.4	6.7	7.5	6.1	3.7	4.3
24	20.0	17.9	19.4	14.2	13.1	13.3	8.6	7.4	7.9	4.0	3.0	3.5
25	19.9	18.6	19.4	15.9	13.4	14.6	7.4	6.4	6.8	3.6	2.9	3.3
26	19.6	17.2	18.5	14.7	13.4	13.8	6.4	5.0	5.7	3.8	3.4	3.5
27	18.8	17.9	18.1	14.0	13.5	13.7	5.7	4.5	5.3	4.1	3.4	3.8
28	18.2	17.7	17.9	13.8	12.8	13.3	5.4	5.1	5.3	4.0	2.8	3.4
29	18.3	17.9	18.1	13.3	12.7	12.9	5.5	4.4	5.1	3.5	2.1	2.9
30	18.1	17.7	17.9	13.2	12.9	13.1	5.5	5.1	5.3	3.3	2.6	3.1
31	18.0	17.6	17.8	---	---	---	5.6	5.2	5.4	3.5	3.0	3.3
MONTH	24.7	17.2	21.3	---	---	---	---	---	---	12.9	2.1	6.4
		FEBRUARY			MARCH			APRIL			MAY	
1	3.7	3.3	3.5	8.5	7.9	8.3	15.5	14.0	14.7	18.0	17.5	17.7
2	4.0	3.1	3.5	8.0	7.0	7.4	16.6	15.4	15.9	18.4	17.5	17.8
3	4.1	3.7	3.9	7.1	6.4	6.8	15.9	14.4	15.2	19.0	17.5	17.8
4	4.0	3.8	3.9	7.3	7.0	7.2	15.2	14.2	14.6	19.4	17.6	18.1
5	4.1	3.9	4.0	8.2	7.0	7.1	15.8	14.4	14.7	18.2	17.5	17.9
6	4.8	4.0	4.1	8.0	7.0	7.2	16.1	14.5	15.1	17.6	15.2	16.5
7	4.8	4.2	4.4	8.8	7.2	7.6	17.3	14.5	15.3	15.7	14.2	15.2
8	5.1	4.4	4.7	9.6	7.5	8.5	17.6	15.1	16.4	16.8	15.6	16.1
9	5.0	4.6	4.8	8.6	7.3	8.1	17.6	16.3	17.0	17.4	16.1	16.4
10	7.4	4.9	5.5	8.7	7.6	8.1	16.5	15.7	16.1	18.3	16.6	17.1
11	6.5	5.1	5.4	9.1	8.1	8.5	16.5	15.7	16.0	19.3	17.9	18.4
12	5.8	5.2	5.4	9.1	8.0	8.6	16.8	16.0	16.4	20.5	17.8	18.8
13	6.1	5.4	5.6	9.6	8.8	9.0	16.0	14.8	15.4	20.6	18.2	19.9
14	6.7	5.7	6.0	9.6	9.0	9.3	14.8	14.1	14.6	20.2	18.6	19.7
15	6.8	5.9	6.2	9.4	8.7	9.0	14.1	12.9	13.6	21.9	18.6	19.7
16	9.1	6.1	7.0	9.6	9.1	9.3	13.0	12.1	12.7	20.9	18.6	19.3
17	9.1	6.3	6.7	9.1	8.1	8.6	13.4	12.3	12.7	21.9	19.3	20.6
18	8.9	6.7	8.3	8.8	7.7	8.2	13.3	12.4	12.8	22.5	20.2	21.5
19	8.3	7.6	8.0	8.8	8.6	8.8	13.2	12.2	12.5	21.9	21.0	21.6
20	8.3	7.9	8.1	8.8	8.7	8.8	13.0	12.0	12.2	22.0	21.4	21.7
21	9.4	8.1	8.6	10.1	8.8	8.9	12.3	12.0	12.1	21.6	20.8	21.3
22	9.2	8.2	8.8	11.6	9.0	9.7	14.3	12.2	12.6	21.6	20.9	21.2
23	9.6	8.6	9.2	12.5	9.3	11.3	18.2	12.4	15.5	22.5	21.0	21.4
24	9.8	9.1	9.3	12.4	9.8	10.5	17.6	13.9	15.8	22.5	20.8	21.4
25	9.1	8.6	8.8	13.2	10.6	11.6	15.8	14.5	15.1	21.9	20.7	21.2
26	8.7	8.0	8.5	12.8	10.7	11.8	15.6	14.8	15.2	21.0	20.1	20.6
27	8.6	8.1	8.4	12.6	10.8	11.6	16.7	14.8	15.5	20.9	20.4	20.7
28	8.6	8.0	8.4	14.1	10.9	12.6	16.4	15.3	15.7	21.6	20.4	20.6
29	---	---	---	14.4	13.1	13.6	16.4	15.4	15.6	21.0	20.3	20.4
30	---	---	---	14.1	12.8	13.4	17.9	15.9	16.8	20.4	20.3	20.3
31	---	---	---	15.6	13.5	14.7	---	---	---	21.4	20.3	20.6
MONTH	9.8	3.1	6.4	15.6	6.4	9.5	18.2	12.0	14.8	22.5	14.2	19.4

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.2	20.7	21.5	27.1	26.0	26.3	29.1	28.3	28.8	28.9	28.5	28.6
2	21.2	20.7	21.0	28.8	25.9	26.4	29.1	28.4	28.6	28.6	28.3	28.5
3	22.2	20.7	21.1	28.1	26.3	27.0	29.5	28.5	28.9	29.0	28.3	28.5
4	21.1	20.7	20.8	28.1	26.8	27.4	29.6	28.4	28.7	28.8	27.7	28.3
5	22.8	20.7	21.1	28.8	27.0	27.7	29.4	28.6	28.8	27.7	27.1	27.4
6	22.9	20.9	21.3	29.3	27.4	28.3	29.3	28.5	28.8	27.1	26.4	26.7
7	23.5	21.0	21.6	29.5	27.7	28.3	30.1	28.5	28.9	26.5	25.9	26.2
8	24.3	21.2	21.9	29.4	27.9	28.8	30.0	28.9	29.2	26.3	25.5	25.9
9	24.8	21.8	22.7	29.5	28.5	28.9	29.2	28.8	29.0	26.9	25.3	26.0
10	26.3	22.5	24.1	29.4	28.5	28.7	29.0	28.4	28.7	26.2	25.2	25.6
11	26.5	24.7	25.8	29.5	28.4	28.6	29.4	28.5	28.9	---	---	---
12	27.0	25.9	26.4	29.8	28.4	28.8	29.8	28.8	29.1	---	---	---
13	27.3	26.1	26.4	29.2	28.2	28.7	30.0	29.1	29.3	---	---	---
14	27.5	25.7	26.5	28.6	28.1	28.4	30.6	29.3	29.8	---	---	---
15	27.6	25.8	26.0	28.4	27.9	28.2	31.6	29.5	30.1	---	---	---
16	26.1	25.7	25.8	28.6	27.8	28.1	31.1	29.5	30.1	---	---	---
17	26.7	25.7	26.1	29.0	27.8	28.2	30.8	30.1	30.4	---	---	---
18	27.1	26.1	26.3	29.7	28.1	28.3	30.4	29.6	30.0	---	---	---
19	26.8	26.2	26.5	28.9	28.1	28.3	30.1	29.4	29.6	---	---	---
20	26.3	25.5	25.9	28.8	28.2	28.3	30.1	29.4	29.8	26.8	25.5	26.0
21	25.5	24.5	24.9	28.4	28.2	28.3	30.1	29.6	29.7	27.6	25.7	26.1
22	26.2	24.6	25.0	31.4	28.3	28.6	30.8	29.5	29.8	26.9	25.9	26.3
23	26.1	24.6	25.1	30.6	28.5	28.7	30.2	29.5	29.7	26.6	26.1	26.2
24	26.3	25.1	25.6	29.1	28.6	28.7	29.9	29.5	29.7	27.3	26.1	26.4
25	26.6	25.8	26.2	29.2	28.6	28.8	29.5	28.2	28.9	27.0	26.3	26.6
26	26.5	26.0	26.2	29.4	28.6	28.8	28.8	27.8	28.2	27.0	26.5	26.7
27	26.9	26.1	26.3	29.5	28.6	28.8	28.3	27.5	27.9	27.0	26.3	26.6
28	27.0	26.2	26.5	29.5	28.6	28.9	28.7	27.1	27.8	26.5	25.8	26.2
29	26.7	26.2	26.4	31.0	28.7	29.8	28.9	27.6	28.3	26.9	25.7	26.2
30	26.6	26.0	26.3	30.3	29.0	29.7	28.6	27.9	28.2	26.5	24.9	25.6
31	---	---	---	29.6	28.9	29.3	29.4	28.3	28.8	---	---	---
MONTH	27.6	20.7	24.6	31.4	25.9	28.4	31.6	27.1	29.1	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.2	6.5	7.2	9.4	4.7	7.9	12.1	10.1	11.2	18.9	13.6	15.3
2	9.1	6.6	7.8	9.4	7.2	8.1	12.0	8.8	10.4	18.4	14.6	16.1
3	9.0	6.5	7.7	8.8	5.2	7.8	12.3	10.3	11.0	18.9	14.6	16.1
4	10.6	7.2	8.6	---	---	---	14.3	9.9	11.4	17.0	13.7	15.4
5	9.2	8.0	8.6	9.1	6.4	7.9	15.2	10.2	11.8	14.6	12.8	13.7
6	9.8	7.6	8.3	9.5	7.3	8.6	12.6	8.1	10.2	14.3	12.3	13.1
7	10.8	7.9	8.8	---	---	---	13.4	8.3	10.6	13.4	11.5	12.5
8	10.5	8.2	9.1	9.9	9.6	9.7	---	---	---	13.9	11.5	12.7
9	10.0	8.6	9.1	10.4	9.8	10.1	12.4	8.8	10.5	13.6	11.9	12.7
10	10.2	8.7	9.4	---	---	---	---	---	---	15.3	12.3	13.3
11	10.2	8.8	9.3	---	---	---	11.6	10.3	10.9	15.3	13.1	14.0
12	10.5	7.5	9.4	---	---	---	12.1	10.0	11.0	15.6	13.4	14.4
13	9.5	2.1	7.3	11.2	10.3	10.6	12.0	10.2	10.9	14.7	10.3	12.9
14	9.7	4.5	7.3	---	---	---	12.5	10.8	11.2	11.5	9.3	10.3
15	9.2	6.3	8.2	13.2	11.1	12.0	12.4	10.8	11.7	11.1	9.3	10
16	11.1	6.9	8.3	13.6	12.4	12.8	13.8	11.5	12.4	11.3	9.5	10.3
17	12.1	8.3	9.9	---	---	---	14.6	12.0	13.2	12.2	10.1	11.2
18	11.0	8.0	10.1	---	---	---	15.3	9.0	12.9	13.2	10.6	11.7
19	11.9	8.6	10.0	---	---	---	15.8	8.6	12.5	14.1	10.8	12.5
20	10.7	8.8	9.5	---	---	---	12.4	10.5	11.1	13.1	11.8	12.3
21	9.3	8.5	8.9	---	---	---	15.2	11.2	11.9	13.0	11.7	12.4
22	9.3	8.1	8.8	---	---	---	13.2	11.8	12.3	13.7	11.3	12.4
23	11.0	8.3	9.0	---	---	---	12.8	11.8	12.2	12.8	10.8	11.4
24	9.8	7.0	8.6	13.4	8.3	11.4	13.0	11.3	11.9	12.3	11.1	11.5
25	11.0	5.7	8.5	11.6	9.0	10.7	12.9	11.6	12.1	12.4	11.2	11.8
26	9.3	5.2	7.5	12.2	10.4	11.0	14.0	11.8	12.4	12.3	11.5	12.0
27	11.2	3.9	7.3	12.3	10.4	11.2	13.6	12.0	12.6	12.2	11.7	12.0
28	10.7	2.2	5.2	12.2	10.6	11.6	15.6	11.8	13.1	12.4	11.8	12.1
29	10.0	4.5	7.6	11.9	10.5	11.4	14.1	12.6	13.4	12.6	12.1	12.4
30	10.4	7.3	9.2	12.6	10.0	11.7	14.2	13.0	13.4	12.6	11.5	12.3
31	10.0	6.5	8.5	---	---	---	16.1	13.2	13.8	12.4	11.8	12.1
MONTH	12.1	2.1	8.5	---	---	---	---	---	---	18.9	9.3	12.7
		FEBRUARY			MARCH			APRIL			MAY	
1	12.4	11.9	12.2	11.2	10.5	10.8	12.1	10.0	11.0	9.0	7.6	8.3
2	12.5	12.0	12.3	13.2	10.0	10.9	10.6	9.2	9.9	9.3	6.7	8.5
3	13.4	11.9	12.4	12.7	9.8	11.5	10.4	9.2	9.7	10.1	6.8	8.3
4	12.4	11.4	12.2	14.1	11.6	12.5	10.3	9.6	10	---	---	---
5	12.4	11.8	12.0	13.3	11.5	12.6	10.3	8.5	9.8	---	---	---
6	12.3	10.9	12.0	13.5	11.7	12.7	9.8	8.7	9.3	---	---	---
7	12.6	11.3	12.0	12.9	11.3	12.4	9.2	8.5	9.0	---	---	---
8	12.8	9.8	12.0	12.1	7.4	10.2	9.2	7.9	8.6	---	---	---
9	13.2	11.0	12.0	11.3	8.6	10.2	8.9	8.2	8.5	---	---	---
10	12.8	10.6	11.7	11.9	10.3	11.2	10.3	8.5	9.3	---	---	---
11	11.7	10.0	11.1	12.6	10.4	11.6	10.9	9.0	10.0	---	---	---
12	12.1	10.7	11.6	11.1	9.9	10.6	10.6	9.3	10	11.3	3.9	9.4
13	12.7	11.2	12.0	11.5	10.2	10.8	9.7	9.2	9.4	8.3	5.6	7.7
14	12.7	11.3	12.0	11.1	10.6	10.8	9.8	8.9	9.3	10.2	7.2	8.3
15	14.9	11.8	12.6	12.9	10.7	11.7	10.3	9.5	9.9	10.4	7.9	8.8
16	14.9	12.1	13.2	12.8	10.3	12.0	11.0	10.0	10.5	10.1	1.1	8.1
17	13.2	11.9	12.8	10.9	9.9	10.6	11.7	10.5	11.0	10.0	6.4	8.6
18	12.8	11.5	12.1	12.6	10.5	11.4	12.0	9.9	11.4	11.0	7.8	9.0
19	13.3	10.8	12.1	13.8	12.4	13.0	11.7	10.8	11.3	9.4	8.3	9.0
20	12.6	10.7	12.1	15.5	12.3	14.1	12.2	9.9	11.3	9.4	7.7	8.4
21	12.2	11.4	11.9	14.8	9.3	13.0	10.8	8.1	9.6	10.3	7.7	8.6
22	12.2	11.3	11.7	13.8	11.7	13.0	10.6	8.2	9.9	10.2	8.5	9.5
23	12.1	10.8	11.7	12.8	11.5	12.2	9.9	9.0	9.5	11.0	8.5	9.8
24	11.5	10.6	11.1	13.2	11.3	12.0	9.7	8.1	8.8	11.1	9.2	10.0
25	11.3	10.3	10.8	13.5	11.7	12.5	9.8	8.2	8.9	10.0	8.3	9.0
26	12.3	10.2	11.6	13.3	11.9	12.6	9.8	8.9	9.4	9.6	7.7	8.7
27	12.6	11.0	11.9	13.8	12.3	12.7	11.1	8.8	10.0	10.8	8.0	9.7
28	12.1	10.5	11.0	12.9	10.4	12.0	11.2	8.7	9.7	10.4	8.2	9.5
29	---	---	---	12.0	10.5	11.2	10.2	8.2	9.4	10.4	7.1	8.9
30	---	---	---	12.4	8.9	11.2	9.6	7.6	8.6	8.9	6.0	8.0
31	---	---	---	12.3	10.6	11.4	---	---	---	8.8	5.0	7.4
MONTH	14.9	9.8	11.9	15.5	7.4	11.8	12.2	7.6	9.8	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	5.5	7.0	11.8	6.8	8.3	10.3	5.1	7.5	---	---	---
2	7.0	4.1	6.0	9.6	3.7	7.8	12.2	6.7	9.4	13.2	6.0	9.8
3	10.1	5.6	6.9	8.8	5.9	7.2	13.5	9.2	10.4	9.6	3.0	7.6
4	8.8	5.5	7.3	11.6	5.2	7.9	12.6	3.2	9.8	8.8	5.5	6.8
5	10.9	1.2	8.2	8.3	6.1	7.1	15.8	3.4	10.7	7.2	4.5	5.8
6	10.5	4.6	8.4	9.5	5.0	7.5	12.6	4.3	9.9	7.8	5.5	6.5
7	10.9	5.7	8.8	9.3	4.2	7.3	11.2	1.5	7.0	8.3	5.9	7.0
8	10.7	1.2	8.5	8.3	4.0	7.0	7.7	0.0	4.9	9.0	6.1	7.3
9	8.3	5.7	7.2	9.5	4.0	7.0	7.0	2.2	5.3	11.9	5.8	8.5
10	8.3	4.0	6.2	11.3	2.2	7.6	14.2	2.7	6.4	9.2	7.2	8.3
11	6.9	4.7	5.8	10.8	5.8	9.0	14.9	1.0	10.5	---	---	---
12	6.8	4.3	5.7	9.7	6.6	8.1	13.6	1.1	8.7	---	---	---
13	7.5	4.7	6.2	8.2	3.7	5.6	15.0	2.5	8.0	---	---	---
14	8.1	6.5	7.2	7.8	2.7	4.6	16.4	4.2	8.0	---	---	---
15	9.0	5.8	7.5	8.3	5.5	6.5	13.6	6.7	9.3	---	---	---
16	8.5	6.1	7.7	12.1	6.4	8.5	8.9	2.5	6.2	---	---	---
17	7.0	2.5	5.8	10.3	7.0	8.6	8.2	4.1	5.8	---	---	---
18	8.6	0.6	6.5	8.4	6.7	7.4	8.2	4.3	6.0	---	---	---
19	6.9	2.8	5.9	9.3	5.8	7.6	15.4	3.8	6.9	---	---	---
20	6.9	5.5	6.2	9.1	6.0	7.7	13.3	3.5	8.0	11.7	3.7	7.6
21	8.2	5.7	6.9	10.6	6.7	8.1	14.8	3.9	10.5	9.1	0.9	6.5
22	8.9	5.8	7.6	10.7	4.7	7.6	11.3	3.8	8.6	7.5	2.5	6.1
23	9.3	3.5	7.5	10.3	3.9	7.1	9.7	2.9	6.9	10.9	4.7	7.3
24	10.4	5.2	7.1	9.6	5.7	7.9	8.1	0.7	6.2	9.0	2.7	7.5
25	8.0	6.2	7.2	11.3	4.8	8.1	8.2	4.0	5.9	---	---	---
26	8.1	6.4	7.1	13.7	6.3	9.1	---	---	---	---	---	---
27	9.9	6.3	7.5	11.2	3.5	8.1	---	---	---	---	---	---
28	9.2	5.4	7.4	10.6	6.5	9.1	---	---	---	---	---	---
29	7.3	4.0	6.3	7.8	4.3	6.1	---	---	---	---	---	---
30	11.6	4.6	7.6	8.3	5.0	6.2	---	---	---	7.7	5.1	6.1
31	---	---	---	10.1	4.8	6.3	---	---	---	---	---	---
MONTH	11.6	0.6	7.0	13.7	2.2	7.5	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.6	5.3	6.7	7.2	2.8	4.1	12.9	9.3	11.1	10.8	9.3	10.1
2	8.9	6.4	7.6	7.0	2.0	3.6	12.2	8.6	9.8	10.4	9.5	10.0
3	7.7	1.9	5.9	5.7	1.3	2.6	11.0	8.3	9.7	10.6	9.2	9.8
4	7.4	0.4	4.4	---	---	---	10.6	7.4	7.8	10.3	8.8	9.6
5	8.1	0.0	2.4	7.4	4.6	6.5	8.9	7.1	7.6	11.4	9.0	9.7
6	8.7	0.1	5.4	7.4	4.9	6.3	7.5	6.4	7.0	12.0	9.4	10
7	8.0	0.0	2.1	---	---	---	9.9	6.2	6.8	10.8	9.2	9.8
8	4.6	0.0	0.8	8.4	6.8	8.2	---	---	---	11.8	8.6	9.4
9	8.8	0.0	2.0	8.7	8.2	8.4	7.8	6.1	7.0	9.3	7.1	8.3
10	1.3	0.0	0.1	---	---	---	---	---	---	9.5	6.7	7.3
11	5.3	0.0	0.2	---	---	---	10.6	4.8	6.5	10.8	5.9	7.3
12	0.5	0.0	0.1	---	---	---	11.4	6.5	9.6	8.2	5.6	6.6
13	5.7	0.1	2.2	9.2	6.8	8.6	11.3	6.5	10.1	11.2	5.2	7.4
14	6.8	0.9	3.2	---	---	---	11.2	8.6	10.5	10.6	5.1	8.7
15	7.5	0.3	1.5	9.8	9.0	9.5	11.8	10.4	10.9	10.8	8.7	9.4
16	7.5	0.0	3.1	9.7	8.4	8.9	10.8	9.3	9.9	10.4	9.1	9.7
17	8.6	0.0	3.1	---	---	---	11.3	8.2	9.5	11.2	8.9	9.7
18	6.7	0.0	1.4	---	---	---	9.5	8.4	8.9	11.1	9.3	10.1
19	8.7	0.1	3.2	---	---	---	11.9	7.7	8.4	11.8	8.8	9.7
20	8.3	0.0	1.2	---	---	---	11.5	8.9	10.7	11.8	8.5	9.4
21	0.1	0.0	0.0	---	---	---	12.8	9.8	10.9	9.5	8.0	8.6
22	1.7	0.0	0.1	---	---	---	12.7	9.0	10.8	12.6	7.5	8.5
23	5.7	0.0	1.3	---	---	---	12.3	8.1	10.5	12.7	9.2	11.0
24	7.1	0.0	1.5	8.4	6.7	7.3	11.7	10.9	11.3	11.1	10.3	10.7
25	4.1	0.0	0.8	11.3	6.5	9.3	11.8	11.0	11.4	12.0	10.2	10.9
26	6.6	0.0	2.6	11.2	9.3	10.5	12.6	11.2	11.8	12.4	10.1	10.9
27	4.6	1.2	3.5	10.8	8.4	9.3	12.2	10.9	11.4	13.2	10.2	11.4
28	5.2	2.4	3.8	12.6	8.1	10.5	11.7	11.0	11.3	12.7	10.1	11.7
29	6.6	2.6	3.6	12.5	10.6	11.5	12.5	10.8	11.6	12.7	10.6	11.9
30	6.2	2.3	2.9	13.7	9.0	10.5	11.2	10.4	10.7	12.8	10.8	11.7
31	4.8	1.5	2.8	---	---	---	10.9	9.4	10.2	12.6	10.8	11.7
MONTH	8.9	0.0	2.6	---	---	---	---	---	---	13.2	5.1	9.7
		FEBRUARY			MARCH			APRIL			MAY	
1	12.5	10.6	11.8	11.0	10.4	10.7	10.8	7.6	9.1	8.8	7.5	8.1
2	12.5	8.7	11.8	11.1	10.5	10.8	10.2	8.9	9.5	8.6	5.7	6.9
3	12.2	8.9	10.7	11.7	10.7	11.2	10.3	8.9	9.4	9.5	6.3	7.9
4	11.9	10.2	11.3	11.2	9.6	10.4	10.0	7.2	9.2	---	---	---
5	11.9	11.2	11.5	12.5	9.5	10.6	9.6	6.5	7.6	---	---	---
6	11.8	11.0	11.4	11.7	8.6	9.4	9.2	5.0	7.0	---	---	---
7	11.9	10.1	11.0	11.9	8.1	9.4	---	---	---	---	---	---
8	11.4	10.5	10.8	11.0	8.5	9.3	---	---	---	---	---	---
9	10.8	10.1	10.4	10.7	9.1	9.8	---	---	---	---	---	---
10	11.2	10.2	10.5	11.2	8.2	10.0	---	---	---	---	---	---
11	11.1	10.6	10.8	11.5	7.5	9.9	---	---	---	---	---	---
12	11.8	10.2	11.0	10.6	8.8	10.1	---	---	---	9.3	2.3	5.6
13	11.9	9.9	10.4	10.5	9.3	9.9	---	---	---	8.2	4.2	6.6
14	12.1	9.7	11.0	10.7	10.1	10.4	---	---	---	8.2	1.1	5.7
15	12.2	8.6	9.9	11.0	7.5	9.9	---	---	---	9.1	0.3	3.4
16	12.7	7.7	10.8	11.2	7.3	9.1	---	---	---	5.8	0.2	1.4
17	11.9	8.2	8.8	10.5	9.4	10.0	---	---	---	9.0	0.3	5.3
18	12.1	8.0	10.9	11.5	9.1	10.6	---	---	---	10.6	2.2	8.1
19	12.1	9.5	10.7	11.7	9.0	10	---	---	---	9.1	4.6	7.5
20	11.7	10.1	10.7	9.7	8.6	9.2	---	---	---	8.4	4.1	6.8
21	11.5	9.2	10.6	11.2	8.6	9.1	7.0	6.2	6.6	9.9	7.6	8.4
22	11.4	8.3	10.2	11.9	7.2	9.0	6.7	5.2	6.1	9.3	3.8	7.8
23	11.4	8.8	10.5	11.8	7.0	10.1	9.5	4.2	7.1	10.4	2.6	6.8
24	11.0	10.3	10.7	11.2	6.5	7.4	9.2	4.4	7.6	10.0	1.3	4.8
25	10.7	9.1	10.2	12.4	5.8	8.4	9.5	7.7	8.6	8.9	1.8	7.2
26	10.9	9.5	10.4	11.6	4.5	8.0	9.6	7.0	8.5	9.4	5.9	7.5
27	11.5	9.2	10.2	10.3	3.9	6.6	10.4	3.9	8.1	7.3	4.3	5.7
28	11.2	10.2	10.8	11.9	4.2	8.5	9.6	5.5	8.1	7.7	2.4	3.9
29	---	---	---	11.4	9.1	10.3	9.5	6.2	7.5	3.6	0.7	2.4
30	---	---	---	10.7	6.2	8.3	9.1	6.1	7.9	2.6	0.6	1.6
31	---	---	---	12.1	7.4	10.5	---	---	---	2.6	0.0	0.9
MONTH	12.7	7.7	10.7	12.5	3.9	9.6	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	0.0	4.4	6.3	0.3	2.2	9.3	0.0	4.0	6.3	2.3	4.6
2	7.4	1.1	6.6	8.4	0.1	1.4	9.4	0.0	6.0	2.6	0.1	0.9
3	10.6	3.3	6.7	6.4	0.0	2.3	10.4	0.0	5.4	7.3	0.1	1.6
4	3.5	1.0	2.2	8.0	0.6	4.4	9.4	0.0	1.2	7.7	0.2	5.3
5	6.1	0.5	2.1	7.2	1.1	4.6	4.4	0.0	0.5	7.1	4.5	5.8
6	4.9	0.2	1.6	6.9	0.1	5.0	3.4	0.0	0.2	7.3	5.2	6.1
7	4.9	0.1	1.2	7.0	0.1	2.0	4.4	0.0	0.3	7.6	5.3	6.3
8	4.9	0.0	1.0	6.9	0.0	4.1	3.9	0.0	0.8	7.9	3.7	6.4
9	4.8	0.1	1.3	6.6	0.6	2.9	6.0	0.0	1.9	10.0	4.9	7.3
10	6.2	0.0	2.0	7.0	0.0	1.4	4.8	0.0	1.4	7.8	6.0	7.0
11	6.8	1.9	4.7	5.0	0.0	0.4	6.9	0.1	1.2	---	---	---
12	6.8	2.3	4.8	7.6	0.0	2.0	2.8	0.1	0.7	---	---	---
13	6.5	1.6	3.7	6.2	0.0	2.8	3.1	0.1	0.4	---	---	---
14	6.8	0.0	2.6	4.2	1.2	2.5	3.6	0.1	0.8	---	---	---
15	5.2	0.0	0.5	4.6	0.5	2.3	7.0	0.1	1.3	---	---	---
16	0.3	0.0	0.1	7.5	0.1	3.3	5.0	0.1	1.0	---	---	---
17	1.8	0.0	0.2	7.5	0.1	1.5	7.0	0.8	4.6	---	---	---
18	4.4	0.0	0.4	6.2	0.0	1.0	7.6	0.5	4.9	---	---	---
19	6.8	0.0	5.4	2.6	0.0	0.3	9.6	2.7	5.2	---	---	---
20	6.9	5.7	6.3	0.5	0.0	0.0	8.7	0.0	4.3	4.7	0.2	2.1
21	6.9	2.1	5.5	0.2	0.0	0.0	3.9	0.0	0.7	8.0	0.0	1.6
22	7.7	2.7	5.3	7.2	0.0	0.2	5.9	0.0	0.9	6.5	0.0	2.1
23	7.3	1.1	3.6	6.1	0.0	0.3	1.8	0.0	0.1	5.5	0.0	2.5
24	8.3	2.0	5.7	0.2	0.0	0.0	4.4	0.0	0.5	6.5	0.0	1.2
25	7.7	5.9	6.9	3.2	0.0	0.2	7.8	3.9	5.7	6.1	0.0	2.9
26	7.9	6.3	6.9	0.3	0.0	0.0	10.3	5.5	7.0	6.0	1.7	4.4
27	7.1	3.3	5.5	1.0	0.0	0.0	8.0	6.4	7.4	8.2	0.0	4.3
28	6.2	1.4	4.0	0.3	0.0	0.0	8.4	5.8	7.0	7.0	0.0	3.6
29	6.2	1.1	2.3	6.2	0.0	3.0	7.6	6.5	7.1	9.1	4.8	6.8
30	6.9	3.0	4.9	7.2	0.0	4.4	7.0	3.1	5.3	6.3	0.6	5.0
31	---	---	---	7.2	0.0	4.8	6.9	3.0	5.1	---	---	---
MONTH	10.6	0.0	3.6	8.4	0.0	1.9	10.4	0.0	3.0	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	98	77	85	103	49	86	116	96	107	153	108	122
2	110	79	93	104	78	89	114	84	98	148	117	130
3	109	78	93	97	56	86	113	96	102	153	119	130
4	129	86	104	---	---	---	134	92	104	143	115	131
5	111	95	103	97	69	84	142	95	108	124	105	117
6	115	89	98	100	76	90	118	76	95	125	106	114
7	125	91	101	---	---	---	128	78	100	121	100	110
8	123	93	104	102	98	100	---	---	---	127	103	114
9	116	98	105	105	98	102	120	85	102	124	107	114
10	120	99	109	---	---	---	---	---	---	140	110	120
11	117	100	107	---	---	---	116	101	107	139	118	127
12	120	85	106	---	---	---	113	94	104	145	121	131
13	107	24	83	112	101	104	112	95	102	136	92	119
14	110	52	82	---	---	---	113	97	101	107	87	96
15	103	72	92	123	104	112	107	96	102	101	85	91
16	123	75	91	127	112	119	117	100	105	99	85	91
17	131	89	108	---	---	---	122	103	110	104	87	96
18	119	87	108	---	---	---	129	78	109	108	88	96
19	130	94	110	---	---	---	135	75	107	111	89	99
20	118	97	105	---	---	---	99	89	93	106	91	97
21	102	93	98	---	---	---	125	90	96	103	93	98
22	100	87	95	---	---	---	108	95	100	106	89	95
23	116	88	95	---	---	---	106	98	102	99	83	87
24	104	74	91	131	81	112	110	97	100	92	83	86
25	113	60	88	116	88	106	106	96	99	91	84	88
26	95	55	78	117	100	106	111	95	99	95	87	91
27	118	41	77	115	99	106	105	95	98	93	89	92
28	111	23	55	117	102	110	119	93	100	92	89	90
29	105	48	80	113	100	108	108	98	103	95	88	91
30	110	77	98	119	95	111	111	101	105	94	86	92
31	110	70	92	---	---	---	129	104	109	93	88	91
MONTH	131	23	95	---	---	---	---	---	---	153	83	105
		FEBRUARY			MARCH			APRIL			MAY	
1	93	90	92	96	89	92	121	100	111	96	80	88
2	96	89	93	111	83	90	108	93	101	100	71	90
3	102	90	94	105	79	94	104	92	97	110	71	88
4	96	87	94	118	94	103	103	94	99	---	---	---
5	97	90	92	111	95	106	105	85	98	---	---	---
6	98	87	94	116	97	108	99	88	94	---	---	---
7	99	88	94	111	95	106	96	87	92	---	---	---
8	103	77	96	106	64	89	97	82	90	---	---	---
9	107	87	96	97	72	87	92	86	88	---	---	---
10	106	87	98	103	87	95	107	87	96	---	---	---
11	93	80	89	109	89	100	114	93	103	---	---	---
12	97	85	92	96	84	90	108	95	102	126	42	104
13	102	89	96	101	88	94	97	92	94	93	61	85
14	103	91	98	98	92	94	96	88	92	116	79	93
15	125	98	105	115	92	103	99	92	95	121	88	99
16	125	100	112	113	89	105	104	94	99	116	12	93
17	117	103	111	94	85	90	113	98	105	116	72	97
18	111	99	105	108	89	97	119	95	109	127	87	102
19	114	92	103	120	106	111	118	106	112	107	94	102
20	107	91	103	139	106	124	129	99	116	108	88	95
21	106	99	102	134	81	117	112	82	98	117	87	98
22	107	98	102	126	105	119	114	80	104	116	96	108
23	107	94	102	118	108	113	105	95	100	127	96	112
24	101	92	97	128	105	114	99	82	90	130	106	116
25	97	89	93	129	110	118	99	80	89	113	93	102
26	106	87	98	128	112	119	98	88	93	109	86	97
27	107	94	102	132	116	121	115	89	102	125	90	110
28	102	89	94	123	100	115	113	88	100	120	93	110
29	---	---	---	118	101	108	105	83	96	123	82	104
30	---	---	---	122	86	110	99	78	89	105	69	93
31	---	---	---	123	104	113	---	---	---	102	57	86
MONTH	125	77	98	139	64	105	129	78	98	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	86	63	80	151	86	107	135	66	98	---	---	---
2	79	46	67	127	47	100	162	87	124	177	79	130
3	117	63	79	114	75	93	179	120	138	126	39	100
4	101	63	83	151	66	102	166	42	128	114	72	87
5	131	13	96	107	78	91	209	45	142	91	57	74
6	129	53	101	127	64	98	168	57	132	98	69	82
7	138	67	108	125	55	96	150	20	93	103	73	87
8	134	14	105	109	51	92	101	0	64	112	75	90
9	105	70	89	126	52	92	91	29	69	149	71	105
10	105	49	76	150	29	99	187	35	83	113	88	102
11	86	58	72	145	76	119	199	13	139	---	---	---
12	86	53	71	129	87	108	180	14	116	---	---	---
13	96	59	78	108	48	73	203	33	108	---	---	---
14	106	82	93	101	35	59	222	57	108	---	---	---
15	119	74	97	108	70	83	187	90	127	---	---	---
16	113	79	101	160	82	111	121	33	84	---	---	---
17	90	32	74	137	92	113	111	55	78	---	---	---
18	110	7	83	112	87	98	109	57	80	---	---	---
19	87	35	74	125	76	101	209	50	92	---	---	---
20	85	68	77	123	79	102	178	46	107	150	46	96
21	102	69	84	144	90	109	202	52	143	116	11	82
22	111	71	93	147	63	102	155	51	117	95	31	76
23	117	43	93	138	52	95	132	39	93	140	58	92
24	132	64	88	130	76	105	107	9	81	115	34	95
25	100	76	89	152	63	107	107	52	77	---	---	---
26	101	79	89	183	83	122	---	---	---	---	---	---
27	127	78	94	152	47	110	---	---	---	---	---	---
28	118	68	94	147	88	125	---	---	---	---	---	---
29	92	50	79	106	57	82	---	---	---	---	---	---
30	147	57	96	110	66	83	---	---	---	94	63	75
31	---	---	---	133	63	83	---	---	---	---	---	---
MONTH	147	7	87	183	29	99	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	91	63	80	78	30	43	123	89	106	86	74	80
2	107	76	91	76	21	39	116	82	93	83	76	80
3	92	23	70	62	14	28	101	79	90	84	74	78
4	88	5	53	---	---	---	99	70	74	82	71	77
5	97	0	29	79	49	69	83	67	72	95	73	78
6	102	1	64	79	52	66	71	61	66	102	76	81
7	93	0	24	---	---	---	93	59	64	89	75	80
8	53	0	9	87	71	84	---	---	---	103	73	78
9	101	0	23	87	82	84	74	58	66	77	59	69
10	15	0	0	---	---	---	---	---	---	82	56	61
11	61	0	2	---	---	---	103	46	63	95	51	62
12	6	0	1	---	---	---	107	62	92	71	47	56
13	65	1	25	90	67	85	106	62	94	102	45	65
14	77	10	37	---	---	---	101	79	96	100	45	80
15	83	3	17	93	87	90	103	91	96	98	80	86
16	83	0	34	92	80	85	94	83	87	93	80	86
17	94	0	34	---	---	---	97	72	83	95	78	84
18	73	0	16	---	---	---	84	74	79	91	79	84
19	96	1	35	---	---	---	103	68	75	95	74	81
20	92	0	14	---	---	---	95	77	90	93	71	77
21	1	0	0	---	---	---	105	82	90	78	66	71
22	19	0	1	---	---	---	105	75	90	97	62	69
23	61	0	14	---	---	---	104	68	88	98	74	85
24	75	0	16	82	64	70	99	92	95	83	78	81
25	44	0	9	115	63	92	96	91	94	90	77	82
26	69	0	28	107	91	101	100	90	95	94	77	82
27	49	13	37	104	81	90	95	87	90	101	78	86
28	55	26	40	120	78	100	92	87	89	94	77	88
29	70	28	38	118	101	109	97	86	91	93	80	88
30	65	24	31	131	86	100	89	83	85	95	81	87
31	51	16	30	---	---	---	86	75	81	95	81	88
MONTH	107	0	29	---	---	---	---	---	---	103	45	78
		FEBRUARY			MARCH			APRIL			MAY	
1	94	80	89	94	89	91	109	74	90	93	79	85
2	94	66	89	93	87	90	104	90	97	91	60	73
3	93	68	82	97	88	92	102	89	93	101	66	83
4	91	78	86	93	80	86	99	71	91	---	---	---
5	91	86	88	106	79	87	97	64	75	---	---	---
6	92	84	87	99	72	78	93	49	70	---	---	---
7	93	78	85	102	68	79	---	---	---	---	---	---
8	89	81	84	97	71	80	---	---	---	---	---	---
9	85	79	81	91	77	83	---	---	---	---	---	---
10	92	80	84	96	70	85	---	---	---	---	---	---
11	88	84	86	98	64	85	---	---	---	---	---	---
12	94	81	87	92	75	87	---	---	---	102	24	60
13	96	79	83	92	80	86	---	---	---	91	45	73
14	99	77	88	94	88	90	---	---	---	91	12	62
15	100	69	80	96	65	86	---	---	---	104	3	37
16	109	62	89	98	64	79	---	---	---	65	2	15
17	103	67	72	89	81	86	---	---	---	103	3	59
18	103	66	93	99	77	90	---	---	---	123	24	93
19	102	80	91	101	78	86	---	---	---	103	52	85
20	99	86	91	84	74	79	---	---	---	96	47	77
21	101	78	91	100	74	79	65	58	61	113	85	95
22	99	71	88	110	63	80	65	49	57	106	43	88
23	100	76	91	111	61	93	101	41	72	120	29	77
24	96	90	94	105	58	67	94	43	77	115	15	55
25	92	79	88	118	52	78	96	77	86	102	20	82
26	93	82	89	110	41	74	96	70	85	106	66	83
27	98	79	87	97	36	61	107	39	82	82	48	64
28	96	87	92	115	38	81	98	55	82	87	27	44
29	---	---	---	112	88	99	97	62	75	40	8	27
30	---	---	---	104	59	80	93	62	81	29	7	18
31	---	---	---	122	71	104	---	---	---	29	0	10
MONTH	109	62	87	122	36	84	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	90	0	50	79	4	27	121	0	53	82	30	60
2	83	12	74	109	1	17	123	0	78	34	1	12
3	122	37	75	81	1	34	137	0	71	95	1	21
4	39	11	25	103	8	56	124	0	15	99	3	69
5	71	6	24	93	14	59	58	0	7	90	57	73
6	57	2	18	90	1	64	45	0	3	91	65	77
7	58	1	14	92	1	26	59	0	4	95	65	78
8	59	0	12	91	0	54	51	0	11	98	46	79
9	58	1	16	87	8	38	78	0	24	125	60	91
10	77	0	24	92	0	18	62	0	19	97	73	85
11	85	23	59	66	0	6	90	1	15	---	---	---
12	86	28	60	101	0	26	37	1	9	---	---	---
13	82	20	47	81	0	37	41	1	5	---	---	---
14	86	0	32	54	15	33	48	1	11	---	---	---
15	66	0	6	59	6	30	96	1	17	---	---	---
16	4	0	0	97	1	42	68	1	14	---	---	---
17	23	0	2	97	1	19	94	11	61	---	---	---
18	56	0	5	82	0	13	101	7	66	---	---	---
19	85	0	68	34	0	4	127	35	68	---	---	---
20	85	70	78	6	0	0	116	0	57	59	2	27
21	84	25	67	3	0	0	52	0	9	102	0	20
22	96	33	65	98	0	3	79	0	12	82	0	26
23	90	13	44	82	0	4	24	0	2	69	0	31
24	102	24	70	3	0	0	58	0	6	82	0	15
25	96	73	85	42	0	3	102	51	74	77	0	36
26	98	78	86	4	0	0	134	70	90	75	21	55
27	88	41	68	13	0	0	103	81	94	103	0	54
28	78	17	50	4	0	0	109	73	90	87	0	45
29	77	14	29	83	0	39	99	83	92	114	59	84
30	86	37	61	95	0	58	91	40	69	78	7	61
31	---	---	---	94	0	63	90	39	66	---	---	---
MONTH	122	0	44	109	0	25	137	0	39	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3

LOCATION.--Lat 35°21'25", long 76°38'47", Beaufort County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 3.

PERIOD OF RECORD.--Water years 1989 to 1992, 1999 to current year.

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM): May 1989 to September 1992, May 1999 current year.
pH (TOP AND BOTTOM): May 1999 to current year.
WATER TEMPERATURE (TOP): May 1989 to September 1992, May 1999 to current year.
WATER TEMPERATURE (BOTTOM): May 1999 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM): May 1989 to September 1992, May 1999 to current year.
DISSOLVED OXYGEN (MID): May 1989 to September 1992.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May 1989 to September 1992, May 1999 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION (MID): May 1989 to September 1992.

INSTRUMENTATION.--Water-quality monitor from May 1989 to September 1992. Constituents monitored were: specific conductance, top and bottom, water temperature top, dissolved oxygen, top, mid-depth and bottom. Water-quality monitor with satellite telemetry from May 1999 to current year. Constituents monitored were the same as previous water years except, mid-depth dissolved oxygen was not measured, water temperature, bottom, was added as well as pH top and bottom.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed on August 29, 1999 to prevent possible destruction of the equipment during Hurricane Dennis. It was reinstalled on September 9, 1999. The monitor was removed again on September 14, 1999 to prevent possible destruction during Hurricane Floyd. It was reinstalled on October 7, 1999. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 21, 2003. The monitor was removed on September 11, 2005 to prevent possible destruction during Hurricane Ophelia. It was reinstalled on September 19, 2005. Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	20.3, August 26, 2002	0.3, October 11, 1999
SALINITY (BOTTOM), ppt	23.0, October 6, 2002	0.5, October 11, 27, 1999
pH (TOP), standard units	9.5, April 15, 2003, August 15, 2003	6.6, October 7, 1999
pH (BOTTOM), standard units	9.2, April 14, 15, 2003, August 15, 2003	6.6, May 27, 2000, July 12, 2001, May 8, 9, 15, 16, 17, 18, 2004
WATER TEMPERATURE (TOP), °C	33.3, August 20, 1990, July 9, 1991	0.0, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	32.6, August 1, 1999	0.6, January 25, 2003
DISSOLVED OXYGEN (TOP), mg/L	21.2, January 30, 1992	<1.0, on several days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	18.0, May 3, 1991	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	12.6, January 15, 16	1.6, April 20
SALINITY (BOTTOM), ppt	15.2, November 1	4.0, April 21
pH (TOP), standard units	9.0, April 20	7.3, May 21, June 11, 12, 14
pH (BOTTOM), standard units	8.6, July 17, 19, 14, August 11, 21, 22, 24, 26, 31	6.7, June 10
WATER TEMPERATURE (TOP), °C	33.2, July 27	1.8, January 29
WATER TEMPERATURE (BOTTOM), °C	31.8, July 28	2.0, January 29
DISSOLVED OXYGEN (TOP), mg/L	13.0, April 19	4.2, August 11
DISSOLVED OXYGEN (BOTTOM), mg/L	12.8, February 2	0.1, July 21, 24, August 11
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	166, July 16	34, August 11
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	127, August 4	1, July 21, 24, August 11

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.2	7.1	8.0	11.7	8.5	9.3	11.8	9.2	11.1	9.0	7.4	8.0
2	7.6	6.4	6.9	10.7	9.5	9.9	11.3	11.0	11.2	9.4	7.6	8.8
3	7.4	5.9	6.9	10.6	9.7	10.1	11.1	10.2	10.7	9.3	7.3	8.6
4	7.4	6.8	7.2	11.8	10.2	10.9	10.2	9.0	9.8	8.5	6.6	7.7
5	7.4	6.4	6.7	11.8	11.2	11.4	9.6	7.9	8.9	8.0	5.3	6.7
6	7.6	6.6	7.0	11.8	11.1	11.4	10.5	7.7	9.3	11.5	8.0	9.1
7	7.8	5.5	6.2	11.4	10.8	11.1	11.1	7.6	9.6	11.4	9.3	10.4
8	6.7	5.4	6.1	12.0	11.1	11.5	10.9	8.3	9.2	11.1	10.4	10.7
9	6.5	5.7	6.2	12.3	11.6	11.9	10.2	8.8	9.3	11.2	10.6	11.0
10	6.4	5.9	6.0	12.2	11.5	11.8	10.5	9.5	10.1	11.1	10.9	11.0
11	6.7	5.8	6.2	11.8	11.2	11.4	10.4	9.4	9.9	11.1	10.9	11.0
12	6.1	4.6	5.5	11.5	11.3	11.4	10.3	9.2	9.6	11.1	10.5	10.9
13	6.9	3.9	5.2	11.8	11.0	11.4	10.5	9.7	10.0	12.0	10.5	11.1
14	6.9	5.9	6.4	11.7	11.3	11.4	10.5	9.7	10.0	12.5	11.4	11.8
15	7.4	6.7	7.0	11.6	10.7	11.4	11.0	9.9	10.2	12.6	11.8	12.2
16	8.1	7.0	7.5	10.7	8.8	9.7	10.6	8.1	9.2	12.6	11.3	11.9
17	8.6	8.0	8.3	9.8	8.2	8.9	9.0	7.5	8.5	12.2	11.5	11.8
18	8.5	8.0	8.2	10.2	7.1	8.8	9.3	8.3	8.9	12.2	10.9	11.7
19	9.0	8.1	8.3	9.5	7.1	8.6	9.3	7.7	8.6	10.9	8.6	9.8
20	9.1	8.1	8.5	10.4	7.1	8.9	9.6	7.7	8.7	10.7	9.9	10.2
21	9.5	8.9	9.1	11.7	7.5	9.4	9.3	8.6	8.9	10.9	9.8	10.4
22	9.5	8.8	9.2	12.2	8.1	10.2	9.7	8.8	9.4	10.9	10.2	10.6
23	9.5	9.0	9.3	12.2	9.7	10.6	10.9	9.5	10.0	10.3	9.2	9.8
24	9.5	6.5	8.8	11.8	10.4	11.0	10.6	9.5	10.2	10.4	6.4	9.1
25	9.0	7.4	8.2	12.1	10.6	11.3	10.7	10.0	10.4	9.5	7.9	8.7
26	9.0	6.5	7.5	12.2	11.4	11.9	10.9	10.2	10.6	9.7	8.8	9.0
27	8.1	5.6	6.7	12.0	11.1	11.7	10.7	10.3	10.6	10.4	8.7	9.6
28	10.2	6.7	7.8	11.7	10.2	11.2	10.3	8.8	9.7	10.5	9.7	10
29	10.6	7.4	8.3	11.7	10.4	11.3	9.6	7.7	8.4	10.6	9.8	10.2
30	8.7	7.5	8.2	11.1	9.6	10.5	9.2	8.7	8.9	10.5	9.3	9.9
31	9.0	8.1	8.7	---	---	---	9.3	8.1	8.9	10.8	10.2	10.5
MONTH	10.6	3.9	7.4	12.3	7.1	10.7	11.8	7.5	9.6	12.6	5.3	10.1
		FEBRUARY			MARCH			APRIL			MAY	
1	10.6	8.1	9.7	11.3	10.6	11.1	7.6	5.4	6.3	8.4	7.5	7.8
2	9.5	7.8	8.5	11.3	11.0	11.1	7.3	5.4	6.4	8.2	7.7	7.9
3	9.0	7.3	8.1	11.0	10.2	10.6	6.6	4.8	5.2	8.1	7.7	7.9
4	10.9	8.8	10.1	10.7	8.0	9.7	6.2	3.2	4.8	8.3	7.8	8.1
5	9.7	7.8	8.8	10	8.9	9.8	5.6	3.6	4.6	8.8	8.0	8.4
6	8.4	6.6	7.4	10.2	8.3	9.4	4.7	3.1	3.8	9.3	7.0	8.3
7	10.6	6.4	8.0	8.9	8.1	8.6	6.8	3.5	4.7	7.6	6.9	7.4
8	11.7	7.9	10.0	10.7	8.6	9.2	6.5	3.9	5.2	7.5	6.7	7.2
9	11.5	7.4	10	9.8	8.2	8.9	7.5	4.6	6.5	7.6	6.6	7.1
10	11.6	7.4	9.2	9.5	8.3	8.9	6.2	5.4	5.9	7.6	6.5	7.1
11	12.0	9.2	10.4	10.2	9.0	9.5	5.9	3.8	4.8	7.5	6.7	7.3
12	11.1	9.8	10.5	10.0	9.5	9.7	7.1	5.0	6.0	7.3	6.3	6.7
13	12.0	10.5	10.8	10.6	9.3	9.8	7.3	5.7	6.4	7.5	6.7	7.2
14	11.6	10.8	11.1	10.6	9.6	10.3	7.9	5.6	6.6	7.2	6.5	6.8
15	11.3	10.9	11.1	10.1	9.5	9.7	7.6	5.2	6.1	7.0	6.0	6.6
16	11.4	10.6	11.1	10.6	9.4	9.9	7.6	5.1	6.2	7.0	5.9	6.4
17	11.7	11.3	11.4	10.7	9.8	10.2	6.2	4.8	5.0	7.8	6.5	7.1
18	11.8	11.3	11.6	10.1	9.4	9.6	5.0	2.9	3.7	7.2	5.7	6.3
19	11.8	10.9	11.5	9.5	9.1	9.4	3.1	2.1	2.5	7.0	6.2	6.6
20	11.9	10.8	11.4	9.4	7.9	8.5	2.7	1.6	2.0	6.9	6.3	6.6
21	11.5	11.2	11.4	8.5	7.5	8.1	3.9	2.3	3.1	7.5	6.3	7.1
22	11.5	10.9	11.4	9.0	8.3	8.7	6.0	3.7	4.6	7.5	6.0	6.3
23	11.6	11.1	11.5	9.1	8.1	8.5	9.2	5.3	7.2	6.5	5.8	6.1
24	11.8	11.2	11.5	9.1	8.2	8.6	8.0	6.4	7.0	6.4	5.8	6.0
25	11.9	11.1	11.7	9.2	7.5	8.5	7.5	6.9	7.2	7.1	5.9	6.4
26	11.7	10.7	11.2	8.5	7.6	8.1	7.7	7.3	7.4	7.0	4.8	5.8
27	11.7	10.4	11.1	8.3	7.6	8.0	7.6	7.1	7.5	5.5	4.8	5.1
28	11.8	11.0	11.4	8.5	7.0	8.0	7.8	7.3	7.5	5.5	4.9	5.3
29	---	---	---	7.6	6.2	7.1	7.8	6.8	7.3	5.7	5.1	5.4
30	---	---	---	7.7	6.3	7.1	8.1	7.3	7.6	5.5	5.0	5.3
31	---	---	---	7.8	5.9	7.3	---	---	---	7.3	5.1	6.0
MONTH	12.0	6.4	10.4	11.3	5.9	9.1	9.2	1.6	5.6	9.3	4.8	6.8

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.3	6.4	7.3	7.0	6.7	6.8	8.8	8.5	8.7	9.6	8.6	9.2
2	9.1	6.8	8.3	7.1	6.7	7.0	9.3	8.8	9.0	9.5	8.5	9.2
3	8.0	6.6	7.1	7.4	7.0	7.3	9.0	8.3	8.7	9.8	8.5	9.1
4	6.8	6.0	6.5	7.8	6.9	7.5	8.3	7.9	8.2	9.5	8.9	9.2
5	7.7	5.6	6.2	8.1	7.1	7.7	8.3	7.8	8.0	10.2	9.3	9.6
6	7.0	5.5	6.1	7.5	6.7	7.1	8.1	7.7	7.9	10.5	9.5	10.1
7	6.4	6.0	6.2	7.5	6.5	6.9	8.1	7.7	7.9	9.7	9.3	9.5
8	6.8	6.2	6.4	7.8	7.0	7.3	8.5	7.8	8.1	9.8	9.5	9.6
9	6.9	6.3	6.6	7.3	6.8	7.1	8.0	7.8	7.8	9.8	9.3	9.6
10	7.3	6.7	6.9	7.2	6.9	7.0	8.0	7.8	7.9	10.7	9.6	10.2
11	7.3	6.8	7.0	7.1	6.8	6.9	8.0	7.8	7.9	---	---	---
12	7.1	6.7	7.0	7.1	6.4	6.7	8.1	7.8	8.0	---	---	---
13	6.9	6.6	6.8	7.8	6.5	7.1	8.2	7.8	8.0	---	---	---
14	6.9	6.7	6.8	7.9	6.8	7.2	8.1	7.7	7.9	---	---	---
15	7.0	6.2	6.7	7.3	7.0	7.2	8.0	7.7	7.8	---	---	---
16	6.4	6.0	6.1	7.0	6.7	6.8	8.1	7.8	8.0	---	---	---
17	6.7	5.8	6.2	7.1	6.9	7.0	8.5	8.0	8.1	---	---	---
18	7.5	5.2	6.0	7.6	6.8	7.1	8.7	8.4	8.5	---	---	---
19	7.8	7.3	7.6	7.4	6.8	7.0	9.0	8.1	8.5	---	---	---
20	7.8	7.5	7.6	7.3	6.9	7.1	8.8	8.3	8.6	10.2	9.3	9.7
21	7.6	7.0	7.3	7.4	7.0	7.1	8.3	7.6	8.1	10	8.8	9.5
22	7.6	7.0	7.2	7.7	7.2	7.4	8.3	7.6	7.9	10.5	9.3	9.8
23	7.4	6.8	7.1	8.1	7.3	7.7	8.2	7.3	7.8	10.1	9.4	9.6
24	8.2	7.1	7.5	8.6	7.8	8.2	8.3	7.5	7.9	10.2	9.3	9.6
25	8.6	7.5	8.0	8.9	7.1	8.0	9.4	8.3	9.0	11.3	10.1	10.9
26	8.3	7.1	7.6	8.3	8.0	8.1	9.3	8.1	8.7	11.3	10.2	10.6
27	7.8	7.2	7.5	8.3	7.8	8.1	9.2	8.6	8.8	11.2	10	10.5
28	7.5	6.8	7.0	8.6	7.8	8.2	8.9	8.3	8.6	11.5	10.1	10.9
29	7.5	6.8	7.1	8.9	8.6	8.7	9.6	8.5	8.9	11.1	9.7	10.1
30	7.5	6.7	7.1	8.8	8.6	8.7	9.7	8.5	8.8	11.8	10.4	11.1
31	---	---	---	8.8	8.6	8.7	8.8	8.3	8.6	---	---	---
MONTH	9.1	5.2	7.0	8.9	6.4	7.4	9.7	7.3	8.3	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.5	8.1	8.9	15.2	10.6	14.2	12.3	11.4	11.8	14.1	9.7	12.3
2	9.5	7.5	8.5	14.6	10.9	13.2	11.6	11.1	11.2	14.1	11.0	12.9
3	10.9	7.0	8.1	14.7	10.1	11.9	11.4	10.3	10.9	14.3	10.8	13.3
4	10.9	7.1	8.1	14.1	11.4	12.8	12.0	10.7	11.2	14.5	10.5	13.9
5	9.6	6.4	7.2	11.7	11.1	11.4	12.4	9.9	11.5	14.7	9.0	14.1
6	7.8	6.7	7.3	11.9	11.2	11.6	12.5	10.2	12.2	15.1	11.8	14.4
7	7.8	6.2	7.2	12.1	10.9	11.4	12.7	10.4	12.0	15.1	11.3	14.1
8	7.6	6.1	6.8	11.9	11.1	11.5	12.2	10.3	11.1	14.7	10.8	13.0
9	7.9	6.4	7.1	12.2	11.5	11.8	12.0	8.3	11.1	14.5	10.9	11.8
10	7.5	5.9	6.5	12.2	11.7	11.9	11.7	8.9	10.4	13.6	11.1	11.7
11	10.4	6.1	6.7	11.8	11.3	11.6	10.4	9.5	9.9	13.6	11.1	11.6
12	8.3	5.5	7.0	11.8	11.3	11.4	11.7	9.2	9.8	14.3	11.1	11.6
13	14.5	7.1	11.7	11.7	10.9	11.3	10.6	9.7	10.1	---	---	---
14	11.6	6.4	8.1	11.7	11.2	11.3	10.6	9.8	10.1	12.6	11.5	11.9
15	13.1	7.0	9.2	11.5	10.8	11.4	11.0	9.9	10.4	12.8	11.9	12.3
16	8.5	7.1	7.8	11.7	10.3	11.3	11.3	9.4	10.3	12.8	11.4	12.0
17	8.7	8.1	8.5	12.6	10.7	11.8	12.0	9.0	10.2	12.4	11.7	11.9
18	11.8	8.1	9.0	13.2	11.3	12.4	11.7	9.2	10.4	12.3	11.4	11.9
19	11.9	8.3	9.8	14.1	11.1	13.0	11.8	8.8	9.9	12.1	9.8	11.3
20	11.0	8.5	9.4	14.3	12.4	13.7	10.2	8.1	9.1	11.2	10.4	10.8
21	9.8	9.0	9.2	14.7	11.8	13.7	12.5	9.1	10.1	11.1	10.3	10.7
22	9.5	8.9	9.2	14.8	13.0	14.2	13.0	10.0	11.3	11.1	10.2	10.8
23	9.5	9.0	9.3	14.6	11.8	13.4	12.9	9.8	11.4	10.4	9.3	9.9
24	10.6	8.6	9.4	14.3	11.6	12.8	11.5	10	10.4	12.9	10.1	10.8
25	11.1	8.3	10.1	12.4	10.6	11.4	10.7	10.2	10.5	13.3	9.0	11.4
26	13.0	7.5	10.3	12.4	11.4	12.0	11.0	10.3	10.7	12.7	10.4	11.3
27	13.6	10.7	12.4	12.1	11.5	11.9	10.7	10.5	10.6	12.3	9.3	10.1
28	14.1	11.5	13.4	11.8	11.3	11.5	11.8	10.1	10.9	11.0	9.7	10.0
29	13.7	10.6	12.5	11.8	11.2	11.6	11.7	8.5	10.0	11.6	9.9	10.7
30	14.1	9.9	12.9	12.3	11.1	12.0	10.8	9.2	9.4	11.7	9.8	10.4
31	14.6	9.7	13.1	---	---	---	13.9	9.5	10.2	10.8	10.2	10.5
MONTH	14.6	5.5	9.2	15.2	10.1	12.2	13.9	8.1	10.6	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	10.7	8.6	10.2	11.6	10.7	11.2	9.8	6.2	7.9	8.5	7.6	7.9
2	11.5	9.0	10.0	11.3	11.0	11.1	9.1	5.5	7.0	8.3	7.8	8.1
3	11.6	8.7	10.5	11.5	10.2	10.7	7.8	4.9	5.4	8.2	7.8	8.0
4	11.0	9.0	10.3	12.4	10.6	11.3	7.8	4.2	5.6	8.5	7.8	8.1
5	11.9	9.0	10.7	12.3	9.7	10.1	11.0	4.6	7.5	8.8	8.1	8.5
6	12.9	8.3	10.7	10.4	9.1	9.8	10.6	6.1	8.0	9.3	7.0	8.4
7	13.7	12.0	12.8	10.7	8.6	9.0	10.8	6.1	8.5	8.0	7.0	7.6
8	13.8	11.5	13.1	11.2	8.6	9.4	8.4	6.5	7.5	8.1	7.2	7.5
9	14.5	12.0	13.5	10.2	8.7	9.4	7.5	5.4	6.7	8.9	7.3	7.8
10	14.7	9.4	12.1	12.3	9.0	9.7	7.2	5.6	6.1	8.1	7.0	7.8
11	12.2	9.2	10.9	13.0	9.5	10.7	8.2	4.9	7.1	7.6	7.0	7.4
12	13.1	10.7	11.6	10.6	9.5	9.8	8.2	5.7	7.2	9.0	6.5	7.0
13	13.0	11.2	12.2	10.8	9.9	10.4	7.5	5.9	6.6	8.8	7.1	7.4
14	13.0	11.3	12.1	10.6	10.1	10.4	7.9	5.6	6.7	7.7	6.8	7.4
15	12.8	11.3	11.8	10.5	9.7	10.1	7.6	5.2	6.1	9.1	6.6	7.2
16	12.7	11.1	11.7	10.7	9.8	10.2	8.0	5.1	6.3	9.8	6.0	7.0
17	11.7	11.3	11.4	10.7	9.8	10.3	7.6	4.9	6.0	9.2	6.8	7.7
18	12.1	11.5	11.8	10.4	9.4	10.0	8.3	4.4	6.0	7.7	6.5	7.3
19	12.2	11.6	11.8	9.8	9.3	9.5	13.0	4.5	9.7	7.2	6.6	6.9
20	12.1	11.6	11.9	9.5	8.8	9.3	13.7	7.6	12.3	7.0	6.3	6.7
21	12.0	11.4	11.6	10.8	7.8	9.3	13.9	4.0	11.8	7.5	6.4	7.1
22	11.8	11.4	11.5	10.6	8.6	9.2	13.7	5.8	10.0	7.5	6.0	6.5
23	11.7	11.3	11.5	9.5	8.2	8.8	13.4	6.1	9.5	7.0	6.2	6.6
24	11.8	11.2	11.5	10.6	8.5	8.8	8.2	6.6	7.2	8.0	5.9	6.6
25	11.9	11.1	11.7	9.8	8.8	9.3	7.5	7.0	7.3	7.1	5.9	6.5
26	11.9	11.3	11.5	9.1	8.3	8.6	8.5	7.3	7.6	8.1	5.3	6.7
27	12.0	11.1	11.6	8.6	8.1	8.4	8.2	7.3	7.5	10.3	6.3	7.9
28	11.8	11.0	11.4	8.5	6.9	8.0	8.1	7.3	7.7	9.7	5.5	6.9
29	---	---	---	8.3	6.5	7.4	8.9	7.1	7.6	6.4	5.3	5.8
30	---	---	---	10	7.1	8.4	9.7	7.3	7.8	7.2	5.2	5.8
31	---	---	---	9.2	6.2	7.9	---	---	---	11.8	5.9	8.9
MONTH	14.7	8.3	11.6	13.0	6.2	9.6	13.9	4.0	7.6	11.8	5.2	7.3

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.2	7.1	8.7	9.7	7.0	8.0	9.1	8.5	8.8	9.8	8.9	9.4
2	9.4	8.3	8.7	8.8	7.0	7.4	9.1	8.8	8.9	9.7	9.4	9.6
3	9.0	7.3	8.4	8.5	7.2	7.6	9.0	8.5	8.8	10.6	8.9	9.5
4	9.1	7.5	8.7	8.0	7.4	7.6	8.7	8.3	8.5	10.6	9.2	9.6
5	9.1	7.5	8.6	8.2	7.1	7.8	8.7	8.0	8.2	10.2	9.3	9.6
6	8.8	7.8	8.3	7.8	7.0	7.3	8.4	7.9	8.1	10.5	9.5	10.1
7	9.8	6.5	8.2	8.6	7.2	7.9	9.0	7.8	8.1	9.7	9.3	9.5
8	9.8	7.0	8.6	7.7	7.0	7.4	8.5	8.0	8.3	9.8	9.5	9.6
9	9.0	7.6	8.3	8.6	7.0	7.3	8.2	7.8	8.0	10	9.6	9.7
10	8.6	7.0	7.8	8.6	7.1	7.4	8.5	7.8	7.9	10.7	9.5	10.1
11	7.6	6.9	7.2	8.8	6.8	7.4	9.4	7.8	8.1	---	---	---
12	7.9	6.8	7.1	9.9	6.5	7.3	9.7	7.8	8.4	---	---	---
13	7.9	6.8	7.1	10.9	6.5	7.6	9.6	7.8	8.3	---	---	---
14	8.8	6.8	7.1	8.6	7.4	7.9	8.6	7.8	8.0	---	---	---
15	7.6	6.8	7.1	8.1	7.2	7.5	8.1	7.6	7.8	---	---	---
16	7.6	6.2	6.8	11.3	7.1	8.3	10.4	7.9	8.7	---	---	---
17	8.8	6.1	7.3	11.0	7.0	7.8	9.3	7.8	8.1	---	---	---
18	9.8	6.2	7.9	11.2	6.8	7.8	8.9	8.3	8.5	---	---	---
19	8.0	7.5	7.7	8.1	6.9	7.4	9.0	8.5	8.8	---	---	---
20	7.8	7.5	7.7	8.3	7.0	7.4	8.8	8.5	8.7	14.7	10.2	12.3
21	8.0	7.4	7.7	12.4	7.0	7.9	9.0	7.7	8.4	14.2	9.5	10.8
22	8.4	7.0	7.4	9.3	7.3	7.7	9.2	7.7	8.4	13.0	10.0	10.8
23	10.4	7.0	8.2	10.9	7.4	8.4	8.9	8.0	8.3	12.6	9.7	10.5
24	10.2	7.5	8.0	11.5	7.8	9.1	10.9	7.6	8.6	13.2	9.5	10.4
25	8.7	7.6	8.1	9.6	8.2	8.8	11.2	9.2	9.7	12.0	10.6	11.2
26	8.8	7.5	8.0	11.2	8.1	8.4	9.5	8.6	9.3	11.4	10.4	11.0
27	9.2	7.6	8.1	11.3	8.2	8.9	9.4	8.8	9.1	11.3	10.0	10.6
28	9.0	7.5	8.1	9.7	8.0	8.6	9.5	8.8	9.2	11.7	10.9	11.4
29	9.2	7.2	8.3	9.6	8.6	8.9	9.8	8.7	9.2	11.4	10.4	11.1
30	8.6	7.0	7.6	10.0	8.6	8.8	10	9.0	9.6	11.8	10.4	11.1
31	---	---	---	10.0	8.6	8.8	9.3	8.5	8.9	---	---	---
MONTH	11.2	6.1	7.9	12.4	6.5	7.9	11.2	7.6	8.6	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.1	7.5	7.7	8.2	7.8	8.0	8.0	7.9	7.9	8.2	8.0	8.1
2	8.0	7.5	7.7	8.1	7.8	8.0	8.1	7.8	8.0	8.1	8.0	8.0
3	8.3	7.4	7.8	8.1	7.8	7.9	8.2	8.1	8.1	8.2	8.1	8.1
4	8.3	7.8	8.0	8.1	7.8	7.9	8.2	8.1	8.2	8.2	8.0	8.2
5	8.2	7.9	8.0	8.0	7.8	7.8	8.3	8.2	8.3	8.3	8.1	8.2
6	8.2	7.8	7.9	8.0	7.8	7.9	8.3	8.2	8.2	8.2	7.9	8.1
7	8.1	7.7	7.9	8.0	7.8	7.9	8.3	8.1	8.2	8.0	7.9	8.0
8	8.3	7.6	7.9	8.0	7.9	7.9	8.3	8.0	8.2	8.0	7.9	8.0
9	8.3	7.7	8.0	8.0	7.8	7.9	8.2	8.0	8.1	8.0	7.9	7.9
10	8.3	7.9	8.1	8.0	7.9	7.9	8.0	7.8	8.0	8.0	7.9	8.0
11	8.3	7.9	8.1	8.0	7.8	7.9	8.1	7.9	8.0	8.0	8.0	8.0
12	8.4	8.0	8.3	7.9	7.6	7.8	8.1	8.0	8.0	8.1	8.0	8.0
13	8.4	8.1	8.3	7.9	7.8	7.8	8.1	7.9	8.0	8.1	7.8	8.0
14	8.1	7.9	8.0	7.9	7.8	7.9	8.1	8.0	8.0	7.9	7.5	7.8
15	8.0	7.8	8.0	8.0	7.9	8.0	8.1	8.0	8.0	7.7	7.6	7.6
16	8.0	7.6	7.8	8.0	7.9	8.0	8.2	8.1	8.2	7.8	7.6	7.7
17	8.0	7.7	7.9	8.1	7.9	8.0	8.3	8.2	8.2	7.7	7.6	7.6
18	8.0	7.8	7.9	8.1	8.0	8.1	8.3	8.2	8.2	7.8	7.6	7.7
19	8.0	7.8	7.9	8.2	8.0	8.1	8.3	8.2	8.2	8.2	7.8	8.0
20	8.1	7.9	8.0	8.2	7.9	8.1	8.2	8.0	8.1	8.1	7.9	8.0
21	8.0	7.8	7.9	8.2	7.8	8.1	8.1	8.0	8.1	8.0	7.8	7.9
22	8.0	7.7	7.8	8.2	7.9	8.1	8.1	7.9	8.0	7.9	7.8	7.9
23	8.0	7.7	7.8	8.2	7.8	8.1	8.0	7.9	7.9	7.9	7.7	7.8
24	8.0	7.8	7.9	8.1	7.8	8.0	7.9	7.9	7.9	7.8	7.6	7.7
25	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.8	7.9	7.8	7.6	7.7
26	8.2	7.8	8.0	7.9	7.8	7.9	7.9	7.8	7.8	7.7	7.6	7.7
27	8.3	7.8	8.1	8.0	7.8	7.9	7.9	7.8	7.8	7.8	7.7	7.7
28	8.2	7.8	8.1	8.0	7.9	7.9	8.0	7.9	7.9	7.7	7.7	7.7
29	8.2	7.7	8.1	8.0	7.8	7.9	8.0	8.0	8.0	7.8	7.7	7.7
30	8.2	8.0	8.1	8.1	7.9	8.0	8.1	8.0	8.0	7.8	7.7	7.7
31	8.2	8.0	8.1	---	---	---	8.1	8.0	8.0	7.8	7.7	7.7
MONTH	8.4	7.4	8.0	8.2	7.6	8.0	8.3	7.8	8.0	8.3	7.5	7.9
		FEBRUARY			MARCH			APRIL			MAY	
1	7.8	7.7	7.7	7.9	7.8	7.9	8.4	7.7	8.1	7.8	7.5	7.6
2	7.8	7.7	7.7	7.8	7.8	7.8	8.0	7.6	7.8	7.9	7.5	7.7
3	7.7	7.7	7.7	7.8	7.8	7.8	8.0	7.7	7.8	8.0	7.5	7.7
4	7.7	7.6	7.7	8.1	7.8	7.9	8.0	7.6	7.8	7.6	7.4	7.6
5	7.7	7.6	7.7	8.1	7.9	8.0	8.3	7.7	8.0	7.5	7.4	7.5
6	7.7	7.6	7.7	8.2	8.0	8.1	8.7	8.0	8.3	7.5	7.4	7.4
7	7.8	7.6	7.7	8.3	8.1	8.2	8.4	7.8	8.2	7.7	7.4	7.5
8	7.8	7.8	7.8	8.2	7.8	7.9	8.2	7.8	8.1	7.9	7.5	7.7
9	7.9	7.8	7.8	8.0	7.8	7.9	8.0	7.7	7.8	8.0	7.6	7.8
10	7.9	7.8	7.8	8.1	7.8	8.0	8.0	7.6	7.8	7.9	7.6	7.8
11	7.8	7.7	7.7	8.1	7.9	8.0	8.6	7.8	8.1	8.1	7.6	7.8
12	7.8	7.7	7.8	8.1	7.8	8.0	8.2	7.7	7.9	8.3	7.8	8.0
13	8.0	7.8	7.8	8.1	7.9	8.0	7.8	7.7	7.8	8.0	7.6	7.7
14	7.9	7.8	7.9	7.9	7.8	7.9	7.9	7.7	7.8	8.2	7.6	7.9
15	8.0	7.8	8.0	8.0	7.8	7.9	7.8	7.7	7.7	8.4	7.6	7.9
16	8.1	8.0	8.0	8.0	7.9	8.0	8.0	7.7	7.8	8.3	8.0	8.1
17	8.1	8.0	8.0	7.9	7.8	7.8	8.2	7.8	8.0	8.2	7.6	7.9
18	8.1	8.0	8.0	7.9	7.7	7.8	8.7	8.2	8.5	8.0	7.6	7.8
19	8.1	8.0	8.0	7.8	7.8	7.8	8.9	8.5	8.7	7.8	7.6	7.7
20	8.1	8.0	8.1	8.0	7.8	7.9	9.0	8.7	8.8	7.8	7.5	7.6
21	8.1	8.0	8.1	8.1	7.9	8.0	8.8	8.4	8.6	7.8	7.3	7.5
22	8.1	8.0	8.0	8.0	7.8	7.9	8.6	8.2	8.5	7.9	7.6	7.8
23	8.0	8.0	8.0	7.8	7.7	7.8	8.3	7.6	8.0	8.3	7.6	7.9
24	8.0	7.9	8.0	7.9	7.7	7.8	8.0	7.7	7.9	8.3	7.8	8.1
25	8.0	7.9	7.9	7.9	7.6	7.8	7.9	7.7	7.8	8.0	7.8	7.9
26	8.1	7.9	8.0	7.9	7.7	7.8	7.8	7.7	7.7	8.3	7.6	7.9
27	8.1	7.9	8.0	7.8	7.7	7.8	7.9	7.6	7.7	8.4	7.9	8.2
28	8.0	7.8	7.9	7.8	7.6	7.7	7.8	7.6	7.7	8.4	8.1	8.2
29	---	---	---	8.0	7.6	7.8	7.9	7.6	7.7	8.5	8.2	8.3
30	---	---	---	8.1	7.7	7.9	7.7	7.4	7.6	8.4	8.1	8.2
31	---	---	---	8.1	7.8	7.9	---	---	---	8.3	7.9	8.1
MONTH	8.1	7.6	7.9	8.3	7.6	7.9	9.0	7.4	8.0	8.5	7.3	7.8

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.8	7.9	8.6	8.0	8.3	8.3	7.9	8.1	8.6	8.1	8.3
2	7.9	7.6	7.7	8.5	8.2	8.3	8.6	7.9	8.2	8.7	8.3	8.5
3	8.3	7.5	7.8	8.4	8.2	8.3	8.6	8.2	8.3	8.6	8.3	8.5
4	8.3	7.8	8.1	8.5	8.0	8.3	8.6	8.2	8.4	8.6	8.4	8.5
5	8.8	7.7	8.4	8.3	7.7	8.1	8.7	8.2	8.5	8.5	8.2	8.3
6	8.9	8.0	8.5	8.3	7.5	8.1	8.6	8.3	8.4	8.5	8.2	8.3
7	8.6	8.0	8.2	8.6	8.0	8.3	8.5	8.1	8.3	8.4	8.2	8.3
8	8.5	8.0	8.3	8.3	7.4	8.0	8.4	8.0	8.2	8.3	8.1	8.2
9	8.5	7.9	8.3	8.6	7.6	8.2	8.3	8.0	8.1	8.3	8.0	8.1
10	8.2	7.4	7.9	8.6	7.6	8.2	8.6	7.8	8.1	8.1	8.0	8.0
11	7.6	7.3	7.4	8.7	8.1	8.4	8.8	7.7	8.3	---	---	---
12	7.7	7.3	7.4	8.6	8.0	8.4	8.6	8.2	8.4	---	---	---
13	8.2	7.5	7.8	8.4	7.6	8.0	8.5	8.1	8.3	---	---	---
14	8.2	7.3	7.6	8.5	7.5	8.0	8.5	8.1	8.3	---	---	---
15	8.4	7.5	8.0	8.6	8.0	8.3	8.5	7.8	8.2	---	---	---
16	8.4	8.2	8.3	8.9	8.3	8.6	8.4	8.3	8.4	---	---	---
17	8.4	7.9	8.1	8.7	8.5	8.6	8.4	8.0	8.2	---	---	---
18	8.4	7.8	8.2	8.7	8.2	8.5	8.3	8.1	8.2	---	---	---
19	8.2	7.6	7.9	8.7	8.3	8.5	8.6	7.9	8.3	---	---	---
20	8.1	7.9	8.0	8.6	8.3	8.5	8.6	8.1	8.3	8.6	8.1	8.4
21	8.2	7.8	8.0	8.7	8.3	8.5	8.6	8.2	8.5	8.6	8.2	8.4
22	8.2	7.6	8.0	8.6	8.1	8.4	8.6	8.3	8.5	8.4	8.1	8.3
23	8.3	7.9	8.1	8.7	8.1	8.5	8.6	8.3	8.5	8.7	8.3	8.5
24	8.3	7.7	8.0	8.7	8.2	8.5	8.6	8.3	8.5	8.5	8.2	8.4
25	8.1	7.6	7.9	8.7	8.3	8.5	8.4	8.2	8.3	8.3	8.1	8.2
26	8.0	7.6	7.7	8.7	8.2	8.5	8.6	8.2	8.4	8.3	8.1	8.2
27	8.2	7.6	7.9	8.7	8.3	8.5	8.5	8.2	8.3	8.2	8.0	8.1
28	8.2	7.8	8.1	8.6	8.3	8.5	8.4	8.2	8.3	8.3	8.0	8.2
29	8.1	7.8	8.0	8.4	8.0	8.2	8.3	8.2	8.2	8.4	8.0	8.1
30	8.4	7.5	7.9	8.2	8.0	8.1	8.5	8.1	8.3	8.2	8.0	8.1
31	---	---	---	8.4	8.0	8.1	8.4	8.0	8.3	---	---	---
MONTH	8.9	7.3	8.0	8.9	7.4	8.3	8.8	7.7	8.3	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.2	7.7	7.9	7.5	7.6	7.9	7.8	7.9	8.1	7.7	7.8
2	8.0	7.6	7.7	8.0	7.4	7.7	8.1	7.8	8.0	8.0	7.7	7.8
3	8.0	7.4	7.6	8.1	7.4	7.7	8.2	8.1	8.1	8.0	7.7	7.8
4	8.0	7.3	7.7	7.9	7.3	7.6	8.2	8.0	8.1	8.0	7.7	7.8
5	8.2	7.3	7.9	8.0	7.7	7.8	8.2	7.9	8.0	8.2	7.7	7.8
6	8.2	7.7	7.9	8.0	7.8	7.9	8.2	7.9	8.0	8.0	7.7	7.8
7	8.0	7.5	7.8	8.0	7.8	7.9	8.2	7.8	8.0	8.1	7.6	7.8
8	7.9	7.2	7.7	7.9	7.9	7.9	8.1	7.9	8.0	8.1	7.7	7.9
9	8.1	7.2	7.6	8.0	7.8	7.9	8.2	7.8	8.0	8.0	7.5	7.8
10	8.4	7.5	8.0	8.0	7.9	7.9	8.0	7.7	7.9	8.0	7.7	7.9
11	8.4	7.4	8.1	8.0	7.9	7.9	8.1	7.9	8.0	8.0	7.6	7.9
12	8.5	7.7	8.1	7.9	7.7	7.8	8.1	7.9	8.0	8.0	7.4	7.9
13	8.2	7.7	7.9	7.9	7.8	7.8	8.1	7.9	8.0	8.0	7.4	7.8
14	8.3	7.7	8.0	7.9	7.8	7.9	8.1	8.0	8.0	7.9	7.5	7.8
15	8.2	7.6	7.9	8.0	7.9	7.9	8.1	8.0	8.0	7.7	7.6	7.6
16	8.3	7.9	8.1	8.0	7.8	7.9	8.1	7.9	8.0	7.8	7.6	7.7
17	8.2	8.0	8.1	8.0	7.7	7.8	8.2	7.8	8.0	7.8	7.7	7.7
18	8.3	7.5	8.0	7.9	7.5	7.7	8.2	7.8	8.0	7.8	7.7	7.8
19	8.2	7.5	7.8	7.8	7.6	7.7	8.2	7.8	8.1	8.1	7.7	7.9
20	8.2	7.5	7.8	7.8	7.6	7.8	8.2	8.0	8.1	8.0	7.8	7.9
21	8.2	7.4	8.0	8.0	7.6	7.7	8.0	7.9	8.0	8.0	7.8	7.9
22	8.1	7.8	7.9	8.0	7.7	7.7	8.0	7.9	7.9	8.0	7.9	7.9
23	8.0	7.8	7.9	7.9	7.6	7.7	8.0	7.8	7.9	8.0	7.7	7.8
24	8.0	7.7	7.9	7.8	7.6	7.7	8.0	7.8	8.0	7.7	7.6	7.6
25	8.1	7.7	7.8	8.0	7.7	7.9	7.9	7.8	7.8	7.6	7.6	7.6
26	8.0	7.5	7.8	7.9	7.8	7.8	7.8	7.8	7.8	7.9	7.5	7.7
27	7.9	7.5	7.7	7.9	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.9
28	7.8	7.6	7.7	7.9	7.8	7.9	7.9	7.8	7.8	7.9	7.9	7.9
29	8.0	7.4	7.6	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.9	7.9
30	7.9	7.4	7.6	8.0	7.8	7.8	8.0	7.8	8.0	7.9	7.9	7.9
31	8.1	7.5	7.6	---	---	---	8.0	7.8	8.0	7.9	7.9	7.9
MONTH	8.5	7.2	7.8	8.1	7.3	7.8	8.2	7.7	8.0	8.2	7.4	7.8
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	7.9	7.9	8.0	7.9	8.0	8.2	7.5	7.8	7.5	7.4	7.5
2	7.9	7.8	7.9	8.0	7.9	8.0	8.0	7.5	7.8	7.8	7.3	7.5
3	7.9	7.8	7.9	8.0	7.7	7.9	7.9	7.7	7.9	7.7	7.4	7.5
4	7.9	7.8	7.9	8.0	7.6	7.8	8.0	7.6	7.8	7.8	7.5	7.6
5	7.9	7.8	7.9	8.2	7.8	8.0	7.9	7.5	7.7	7.7	7.6	7.7
6	7.9	7.8	7.8	8.3	7.8	8.1	7.8	7.3	7.6	7.7	7.5	7.6
7	7.9	7.7	7.8	8.3	8.0	8.2	8.2	7.3	7.7	7.7	7.5	7.6
8	7.9	7.7	7.8	8.2	7.9	8.0	7.8	7.5	7.7	8.1	7.5	7.8
9	7.9	7.8	7.8	8.2	7.7	8.0	8.0	7.6	7.9	8.2	7.2	7.7
10	8.0	7.8	7.9	8.3	8.0	8.2	8.0	7.6	7.8	8.0	7.4	7.7
11	7.9	7.8	7.9	8.3	7.9	8.1	8.0	7.5	7.7	8.1	7.6	7.7
12	8.0	7.8	7.9	8.3	8.1	8.2	8.1	7.3	7.7	8.2	7.1	7.7
13	8.0	7.8	7.9	8.2	8.1	8.1	7.8	7.7	7.8	7.8	7.1	7.7
14	8.0	7.8	7.9	8.2	8.1	8.2	8.0	7.7	7.8	7.8	7.1	7.6
15	8.2	7.8	7.9	8.3	8.1	8.2	7.9	7.7	7.8	8.0	6.9	7.5
16	8.2	7.8	8.1	8.2	8.0	8.2	8.0	7.7	7.8	8.3	6.9	7.7
17	8.3	8.2	8.2	8.1	8.0	8.1	8.2	7.7	7.9	8.2	6.9	7.7
18	8.2	8.1	8.2	8.1	8.0	8.0	8.3	7.4	7.8	8.0	7.4	7.7
19	8.2	8.1	8.1	8.1	8.0	8.1	8.2	7.5	7.7	7.8	7.4	7.6
20	8.2	8.0	8.1	8.2	8.0	8.1	8.1	7.3	7.5	7.7	7.5	7.6
21	8.2	7.8	8.1	8.2	7.8	8.0	8.3	7.4	7.6	7.7	7.3	7.5
22	8.2	8.0	8.1	8.1	7.8	8.0	8.3	7.4	7.7	7.7	7.4	7.6
23	8.2	8.1	8.2	8.1	7.9	8.0	8.0	7.3	7.6	7.8	7.2	7.5
24	8.2	8.1	8.1	8.0	7.6	8.0	7.9	7.6	7.8	8.0	7.2	7.7
25	8.1	7.9	8.0	8.0	7.9	8.0	7.8	7.6	7.7	8.0	7.7	7.8
26	8.1	7.8	8.0	8.0	7.9	8.0	7.7	7.5	7.6	7.9	7.6	7.7
27	8.2	7.8	8.0	8.0	7.8	7.9	7.7	7.5	7.6	7.8	7.3	7.5
28	8.1	7.9	8.0	8.0	7.7	7.9	7.7	7.5	7.6	8.2	7.2	7.8
29	---	---	---	8.0	7.9	7.9	7.7	7.2	7.6	8.3	7.5	7.9
30	---	---	---	8.0	7.6	7.8	7.6	7.0	7.5	8.2	7.4	8.0
31	---	---	---	8.1	7.7	7.9	---	---	---	7.9	7.1	7.4
MONTH	8.3	7.7	8.0	8.3	7.6	8.0	8.3	7.0	7.7	8.3	6.9	7.6

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.1	7.5	8.4	7.0	7.6	8.2	7.9	8.0	8.3	8.0	8.2
2	7.8	7.5	7.6	8.5	7.1	8.2	8.5	7.9	8.1	8.3	7.8	8.1
3	7.7	7.2	7.4	8.4	7.2	8.1	8.3	7.8	8.1	8.4	7.5	8.2
4	7.6	7.2	7.3	8.4	7.5	8.2	8.4	7.3	8.1	8.4	7.4	8.1
5	7.7	7.2	7.3	8.4	7.7	8.1	8.5	7.7	8.2	8.3	8.1	8.2
6	7.4	7.1	7.2	8.2	7.4	7.8	8.4	7.5	8.1	8.2	8.0	8.2
7	7.5	6.8	7.1	8.1	7.2	7.6	8.4	7.3	8.1	8.2	8.1	8.2
8	7.3	6.8	6.9	8.1	7.4	7.8	8.2	7.9	8.0	8.3	8.0	8.2
9	7.4	6.8	7.0	8.1	7.0	7.7	8.2	7.8	8.0	8.3	8.1	8.2
10	7.8	6.7	7.0	8.0	7.0	7.5	8.4	7.5	8.0	8.2	8.1	8.1
11	7.5	6.8	7.0	8.4	7.0	7.6	8.6	7.1	7.9	---	---	---
12	7.5	6.8	7.2	8.4	7.0	8.0	8.4	7.1	8.0	---	---	---
13	7.7	6.8	7.2	8.4	7.0	7.8	8.4	7.2	7.9	---	---	---
14	7.9	6.9	7.4	8.0	7.4	7.6	8.3	7.4	7.9	---	---	---
15	7.9	7.2	7.6	8.5	7.7	8.0	8.5	7.8	8.1	---	---	---
16	8.3	7.2	7.7	8.4	7.0	7.9	8.4	7.2	7.9	---	---	---
17	8.2	7.1	7.8	8.6	7.1	8.3	8.3	7.3	8.1	---	---	---
18	8.3	7.0	7.6	8.5	7.0	8.2	8.3	8.0	8.2	---	---	---
19	8.2	7.3	7.9	8.6	7.7	8.3	8.4	7.8	8.1	---	---	---
20	8.1	8.0	8.0	8.5	7.8	8.3	8.4	8.0	8.2	8.3	7.1	7.6
21	8.1	7.7	7.9	8.5	7.1	8.2	8.6	7.8	8.2	8.6	7.1	7.9
22	8.3	7.3	7.8	8.5	7.9	8.2	8.6	7.6	8.1	8.4	7.2	8.0
23	8.2	7.1	7.7	8.5	7.3	8.1	8.5	8.0	8.3	8.3	7.2	8.0
24	8.3	7.1	7.8	8.6	7.2	8.2	8.6	7.4	8.2	8.4	7.3	8.1
25	8.2	7.3	7.9	8.5	8.0	8.3	8.4	7.3	8.0	8.3	7.6	8.1
26	8.0	7.7	7.9	8.4	7.3	8.2	8.6	8.2	8.3	8.2	8.0	8.1
27	8.1	7.3	7.7	8.4	7.3	7.9	8.5	8.2	8.3	8.2	7.9	8.1
28	8.1	7.2	7.7	8.5	7.4	8.2	8.4	8.0	8.2	8.3	8.0	8.1
29	8.1	7.1	7.5	8.2	7.5	8.0	8.4	8.1	8.2	8.2	7.9	8.0
30	7.7	7.2	7.5	8.2	7.2	8.0	8.5	8.0	8.2	8.2	8.0	8.1
31	---	---	---	8.1	7.2	8.0	8.6	8.2	8.4	---	---	---
MONTH	8.3	6.7	7.5	8.6	7.0	8.0	8.6	7.1	8.1	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.1	23.4	23.8	20.2	18.1	19.4	13.0	11.8	12.6	6.8	5.6	5.9
2	24.7	23.8	24.0	20.7	18.5	19.5	12.5	11.8	12.2	7.9	6.0	7.1
3	25.4	24.0	24.4	19.7	18.9	19.3	12.0	11.3	11.7	8.1	6.3	7.0
4	25.2	24.0	24.5	19.5	18.6	18.9	11.7	10.4	11.1	9.2	6.4	7.8
5	24.6	23.5	24.2	18.8	17.8	18.1	11.6	10.0	10.8	9.9	8.6	9.3
6	23.6	22.5	23.1	18.0	17.2	17.5	11.8	10.6	11.4	9.7	8.8	9.1
7	23.2	21.6	22.1	17.2	16.6	16.9	12.9	11.3	12.0	10.2	9.0	9.6
8	22.3	21.2	21.8	16.8	16.1	16.6	14.5	12.6	13.1	10.4	9.6	10.0
9	22.6	21.4	21.8	16.1	15.1	15.6	13.7	13.0	13.2	10.7	9.8	10.2
10	22.7	21.6	22.0	15.5	14.6	14.9	14.7	13.3	14.0	11.1	9.8	10.3
11	22.2	21.1	21.6	15.1	14.2	14.6	14.4	13.2	13.9	11.0	10.2	10.5
12	21.5	20.0	20.9	15.0	14.4	14.7	13.3	12.4	12.8	12.1	10.2	10.8
13	21.3	20.3	20.9	15.0	13.8	14.6	12.4	11.6	12.0	12.6	11.0	11.6
14	21.2	20.9	21.1	13.8	12.6	13.2	11.8	10.7	11.1	12.7	11.5	11.9
15	20.9	20.1	20.6	13.1	12.2	12.7	10.7	8.9	9.8	11.5	10.0	10.6
16	20.1	18.6	19.4	12.2	11.4	11.9	9.2	8.0	8.5	10.0	9.2	9.6
17	19.7	18.7	19.2	12.5	11.2	11.8	8.2	7.0	7.9	9.5	8.0	8.6
18	19.3	18.6	18.9	12.6	11.2	12.1	8.5	7.9	8.2	8.0	6.1	7.0
19	20.5	19.0	19.6	12.8	11.5	12.0	8.5	7.5	8.1	6.1	4.9	5.2
20	20.2	19.9	20.0	13.5	12.3	12.8	8.1	5.8	7.0	5.8	4.3	5.0
21	20.0	19.6	19.8	14.0	12.9	13.4	6.1	5.1	5.6	5.6	4.8	5.3
22	19.8	18.7	19.2	14.4	12.9	13.6	6.8	5.3	6.0	5.0	4.3	4.6
23	18.8	18.0	18.3	14.3	13.3	14.0	8.3	6.3	7.1	4.6	3.0	3.8
24	18.1	16.7	17.4	14.6	13.6	14.1	7.7	7.0	7.5	3.3	2.4	2.8
25	17.0	16.5	16.8	15.2	14.0	14.6	7.1	6.2	6.8	3.5	2.3	2.6
26	16.9	16.1	16.5	14.1	12.9	13.4	6.3	5.3	5.9	3.8	2.4	3.1
27	17.2	15.7	16.4	12.9	12.3	12.5	5.3	4.3	5.0	3.6	2.9	3.3
28	17.5	16.4	16.9	13.2	12.2	12.8	4.9	3.8	4.2	2.9	2.2	2.5
29	17.4	16.7	17.0	12.8	12.2	12.4	4.3	3.0	3.8	3.1	1.8	2.2
30	18.6	17.0	17.7	12.6	11.4	12.1	5.3	4.1	4.6	3.1	2.4	2.8
31	20.0	18.1	18.8	---	---	---	6.1	4.5	5.3	3.2	2.7	2.9
MONTH	25.4	15.7	20.3	20.7	11.2	14.7	14.7	3.0	9.1	12.7	1.8	6.9
		FEBRUARY			MARCH			APRIL			MAY	
1	3.3	2.9	3.1	8.4	7.8	8.1	16.1	14.6	15.1	18.4	17.3	17.7
2	4.1	2.7	3.3	7.8	6.8	7.4	15.8	14.6	15.4	19.4	17.4	18.2
3	3.8	3.4	3.5	7.1	6.3	6.7	14.9	13.9	14.5	19.8	17.6	18.2
4	3.7	3.3	3.5	8.2	6.0	6.8	15.2	13.3	14.3	18.6	17.3	18.1
5	4.4	3.5	3.9	8.2	6.8	7.4	15.5	14.3	14.9	18.1	17.4	17.9
6	5.1	3.8	4.5	8.7	7.2	7.8	18.0	14.7	15.8	17.4	15.6	16.5
7	5.1	4.5	4.8	9.0	7.6	8.3	17.4	16.4	16.9	16.5	14.8	15.6
8	5.8	4.6	5.1	9.7	8.2	8.8	18.1	16.9	17.6	17.4	15.8	16.5
9	8.0	5.4	6.3	8.6	7.5	8.0	17.8	16.1	16.8	18.9	16.2	17.1
10	8.0	6.3	7.2	8.8	7.4	8.0	16.1	15.0	15.6	18.6	17.0	17.9
11	6.5	5.5	5.9	10.0	7.9	8.5	17.1	14.8	15.7	20.2	17.7	18.6
12	5.9	4.9	5.5	8.6	7.6	8.2	16.0	15.0	15.3	21.2	18.4	19.5
13	6.5	5.3	5.9	10.0	8.0	8.9	15.5	14.4	15.0	20.1	19.0	19.4
14	7.2	6.1	6.6	8.9	8.4	8.7	14.4	13.6	14.1	21.2	18.7	19.8
15	9.6	6.8	7.4	9.9	8.0	8.8	13.8	12.6	13.1	22.2	19.8	20.7
16	9.3	7.3	8.2	9.0	8.5	8.8	12.6	11.7	12.2	21.4	20.6	21.0
17	9.3	8.3	8.6	8.5	7.6	8.1	13.0	11.8	12.4	21.9	20.3	21.0
18	8.3	7.7	8.0	8.4	7.5	8.0	15.6	12.2	13.3	21.8	20.2	20.9
19	9.2	7.2	7.8	8.7	8.0	8.4	16.2	12.9	14.2	21.1	20.7	20.9
20	8.4	7.4	7.8	10.7	8.4	9.1	17.4	14.7	15.9	21.4	20.6	21.0
21	9.2	8.0	8.4	10.7	9.5	10	19.6	15.7	16.7	21.0	20.1	20.6
22	9.2	8.5	8.8	11.0	9.6	10.3	18.4	16.7	17.4	21.0	20.1	20.5
23	9.5	8.6	9.0	12.1	10.5	11.0	17.7	15.3	16.9	22.3	20.2	21.1
24	9.0	8.8	8.9	13.0	11.0	11.8	16.8	14.9	15.7	22.6	21.2	21.7
25	8.8	8.0	8.4	12.1	11.6	11.9	15.4	13.9	14.7	21.5	20.1	20.8
26	9.4	7.6	8.1	12.9	11.7	12.2	15.5	14.7	15.1	21.7	19.6	20.5
27	8.2	7.5	8.0	12.4	12.1	12.3	17.1	15.3	15.7	23.7	20.3	21.4
28	8.4	7.9	8.1	14.1	12.4	12.9	17.4	15.3	16.1	22.9	21.1	22.0
29	---	---	---	14.2	12.5	13.3	16.8	15.9	16.3	23.7	22.0	22.8
30	---	---	---	14.9	13.1	13.9	18.2	16.3	16.9	22.9	22.4	22.6
31	---	---	---	15.2	13.7	14.5	---	---	---	23.2	22.0	22.4
MONTH	9.6	2.7	6.6	15.2	6.0	9.6	19.6	11.7	15.3	23.7	14.8	19.8

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.1	21.1	21.7	29.4	26.7	27.6	29.0	28.5	28.8	30.6	27.8	29.0
2	21.1	20.7	20.9	29.4	27.7	28.0	30.7	28.5	29.3	31.1	28.7	29.6
3	22.6	20.8	21.5	28.5	27.6	28.0	30.8	29.0	29.7	30.4	28.8	29.3
4	22.6	21.7	22.1	29.2	27.6	28.3	32.5	29.6	30.2	28.8	27.9	28.3
5	25.1	21.5	23.1	29.2	27.8	28.4	31.6	29.3	30.0	27.9	26.9	27.3
6	25.6	22.8	24.1	30.3	27.9	28.9	30.6	29.4	29.9	27.0	26.0	26.4
7	26.7	24.0	24.9	31.7	29.2	29.9	30.2	29.5	29.9	26.3	25.8	26.1
8	26.4	24.5	25.5	29.6	28.2	29.0	29.6	28.8	29.3	26.3	25.5	25.9
9	26.9	25.3	26.2	31.1	28.7	29.4	29.7	28.8	29.1	27.0	25.5	26.0
10	26.8	25.3	26.0	32.0	28.5	29.6	31.4	28.6	29.2	26.1	25.0	25.5
11	26.2	24.9	25.5	30.9	29.2	29.9	31.9	28.4	29.5	---	---	---
12	26.8	25.1	25.9	30.8	29.4	29.9	31.7	29.1	30.0	---	---	---
13	27.8	26.0	26.8	29.8	28.2	29.0	31.5	29.4	30.3	---	---	---
14	29.2	26.1	27.2	29.0	27.6	28.2	31.2	29.8	30.3	---	---	---
15	30.5	27.1	28.5	29.1	27.8	28.3	32.4	29.7	30.6	---	---	---
16	30.0	28.7	29.1	30.6	28.2	29.1	31.7	30.5	30.9	---	---	---
17	29.0	27.8	28.2	30.0	28.7	29.3	31.0	29.9	30.3	---	---	---
18	28.2	27.4	27.8	30.4	28.8	29.5	30.8	29.4	29.8	---	---	---
19	27.4	26.7	27.0	30.5	29.0	29.8	31.1	29.4	30.1	---	---	---
20	26.7	25.4	26.0	30.8	29.2	30.0	32.0	29.5	30.6	28.1	26.1	26.9
21	26.4	24.8	25.5	33.0	29.3	30.2	33.0	29.9	31.1	27.4	26.2	26.6
22	27.1	24.7	25.8	31.3	29.1	30.2	31.7	30.3	31.0	26.9	25.7	26.3
23	27.3	25.8	26.3	31.5	29.8	30.3	31.2	30.2	30.7	28.5	26.0	26.7
24	27.5	25.7	26.4	31.0	29.3	30.1	30.3	29.1	29.7	27.6	26.5	27.0
25	26.6	26.1	26.3	31.0	28.9	29.9	29.1	28.1	28.6	27.1	26.0	26.5
26	26.6	25.9	26.2	32.1	29.5	30.4	28.6	27.2	28.0	26.8	25.6	26.3
27	28.2	26.1	27.0	33.2	30.1	31.1	28.2	27.2	27.5	26.7	26.0	26.3
28	27.4	26.8	27.1	32.8	30.5	31.3	28.3	27.1	27.6	26.4	25.3	25.9
29	27.1	26.3	26.7	31.1	29.7	30.3	28.3	27.4	27.8	27.6	25.4	25.9
30	29.2	25.8	26.8	30.2	29.2	29.7	29.4	27.5	28.3	25.8	24.9	25.3
31	---	---	---	29.7	28.9	29.2	29.0	28.0	28.5	---	---	---
MONTH	30.5	20.7	25.7	33.2	26.7	29.4	33.0	27.1	29.6	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	23.6	23.8	17.9	17.1	17.3	13.0	12.5	12.8	5.5	5.0	5.3
2	24.2	23.6	23.8	18.6	17.3	17.7	12.6	11.9	12.2	6.0	5.1	5.4
3	24.5	24.0	24.2	19.6	17.5	18.6	12.1	11.5	11.8	5.8	5.3	5.6
4	24.6	24.0	24.3	18.8	17.9	18.4	12.2	11.5	11.9	7.2	5.5	5.9
5	24.5	23.6	24.2	18.8	17.9	18.1	12.2	11.1	11.9	7.9	5.8	6.1
6	23.7	22.5	23.1	17.9	17.2	17.6	12.2	11.4	12.1	8.1	5.8	6.2
7	22.7	21.7	22.1	17.6	16.7	17.1	12.7	11.7	12.2	8.9	6.2	7.1
8	22.4	21.4	21.9	16.8	16.1	16.6	12.9	12.6	12.8	10.4	6.7	8.4
9	22.4	21.6	22.0	16.1	15.1	15.6	13.1	12.7	12.9	10.5	7.7	9.8
10	22.3	21.8	22.1	15.2	14.6	14.9	14.5	12.6	13.8	10.6	8.5	9.8
11	22.2	21.2	21.6	14.8	14.4	14.6	14.4	13.3	14.0	10.5	8.5	10
12	22.0	20.5	21.3	14.9	14.4	14.6	13.3	12.5	12.8	11.4	8.0	10.1
13	21.8	21.2	21.6	15.0	13.8	14.6	12.5	11.7	12.0	11.7	8.3	10.1
14	21.6	21.0	21.3	13.8	12.6	13.2	11.8	10.8	11.2	12.7	11.3	11.9
15	21.5	20.1	21.0	13.1	12.4	12.7	10.8	9.3	10.0	11.6	10.1	10.7
16	20.1	18.9	19.5	12.8	12.2	12.5	9.8	8.3	9.0	10.1	9.3	9.7
17	19.5	18.7	19.1	12.7	11.9	12.4	9.8	8.2	8.9	9.6	8.0	8.7
18	19.9	18.6	19.0	12.9	12.3	12.6	9.4	8.2	8.8	8.0	6.7	7.2
19	20.2	19.0	19.6	13.0	12.2	12.8	9.3	8.2	8.7	6.9	5.1	6.1
20	20.2	19.7	19.9	13.1	12.7	12.8	8.2	6.1	7.3	5.5	4.9	5.2
21	19.9	19.5	19.7	13.2	12.7	12.9	7.0	5.8	6.3	5.6	5.0	5.4
22	19.7	18.5	19.1	13.2	12.9	13.0	7.4	6.1	6.9	5.2	4.5	4.8
23	18.6	17.9	18.2	13.4	12.9	13.1	8.3	6.3	7.5	4.7	3.2	4.0
24	18.0	17.0	17.5	14.2	13.1	13.3	8.4	7.2	7.6	3.4	2.6	3.0
25	18.1	16.7	17.4	15.2	14.0	14.6	7.2	6.4	6.9	3.4	2.5	3.0
26	17.6	16.1	16.9	14.1	12.9	13.4	6.4	5.5	6.0	3.7	2.9	3.2
27	17.6	16.8	17.2	12.9	12.2	12.5	5.5	4.7	5.1	3.7	3.0	3.5
28	17.3	16.9	17.1	13.2	12.4	12.8	5.2	4.3	4.8	3.0	2.4	2.7
29	17.6	17.1	17.3	12.7	12.2	12.5	5.1	4.0	4.5	2.8	2.0	2.3
30	17.5	17.1	17.3	12.8	12.2	12.6	4.8	4.4	4.6	3.2	2.4	2.9
31	18.1	17.0	17.4	---	---	---	5.6	4.8	5.1	3.4	2.8	3.0
MONTH	24.6	16.1	20.3	19.6	11.9	14.5	14.5	4.0	9.4	12.7	2.0	6.4
		FEBRUARY			MARCH			APRIL			MAY	
1	3.4	3.1	3.2	8.5	7.9	8.2	15.5	14.0	14.8	18.0	17.3	17.7
2	3.8	3.1	3.4	7.9	6.9	7.5	15.8	14.3	15.3	19.3	17.6	18.1
3	3.7	3.2	3.5	7.2	6.4	6.8	15.1	14.1	14.7	18.4	17.7	18.0
4	3.8	3.4	3.7	7.5	6.4	7.0	15.1	13.6	14.3	18.5	17.4	18.0
5	4.2	3.7	3.9	8.1	7.0	7.4	15.2	14.2	14.6	18.1	17.4	17.9
6	4.4	4.0	4.1	8.8	7.3	7.8	15.2	14.4	14.8	17.4	15.7	16.5
7	4.3	4.0	4.1	8.8	7.8	8.2	17.1	14.6	15.6	16.0	14.8	15.4
8	4.7	4.1	4.4	9.7	8.2	8.8	16.8	16.0	16.5	17.2	15.8	16.3
9	5.1	4.5	4.7	8.5	7.9	8.2	17.6	16.2	16.8	18.5	16.1	16.7
10	7.4	4.6	5.9	8.9	7.7	8.2	16.2	15.0	15.5	18.3	17.1	17.7
11	6.6	5.6	6.0	9.4	8.2	8.5	15.7	15.2	15.5	19.5	17.7	18.1
12	6.0	5.2	5.6	8.8	7.9	8.5	15.6	15.0	15.3	20.7	17.9	18.7
13	6.2	5.6	5.8	9.2	8.7	8.9	15.4	14.4	14.9	19.9	18.1	19.3
14	6.9	5.9	6.2	9.1	8.8	8.9	14.4	13.6	14.1	19.5	18.9	19.0
15	7.5	6.2	6.7	9.7	8.3	9.0	13.8	12.6	13.1	20.6	18.6	19.7
16	8.7	6.3	7.6	9.6	8.6	9.1	12.6	11.5	12.1	21.2	18.6	20.3
17	9.0	8.3	8.6	8.6	7.8	8.3	12.7	11.7	11.9	21.8	19.1	20.5
18	8.3	7.9	8.1	8.7	7.5	8.0	13.0	11.7	12.3	21.5	20.1	20.7
19	7.9	7.3	7.5	8.9	8.2	8.6	12.9	11.7	12.1	21.2	20.8	21.0
20	7.7	7.4	7.5	9.0	8.7	8.9	12.9	11.8	12.1	21.4	20.6	21.0
21	9.2	7.5	8.3	10.0	8.9	9.4	15.4	12.0	12.8	21.0	20.1	20.6
22	9.0	8.6	8.8	10.9	9.2	10.1	17.8	12.2	14.6	20.8	20.0	20.5
23	9.6	8.7	9.1	12.3	10.6	11.2	17.3	12.7	15.6	21.3	20.3	20.7
24	9.1	8.9	9.0	12.7	11.4	12.0	16.9	15.0	15.7	21.6	20.4	21.3
25	8.9	8.2	8.5	12.3	11.7	12.0	15.5	13.9	14.7	21.4	20.1	20.8
26	8.2	7.9	8.1	12.8	11.8	12.1	15.5	14.8	15.1	20.5	19.7	20.0
27	8.6	8.0	8.2	12.6	12.3	12.5	16.1	15.3	15.6	21.1	19.8	20.1
28	8.4	7.9	8.2	14.2	12.4	13.0	16.6	15.3	15.8	22.5	20.0	21.3
29	---	---	---	13.9	12.6	13.3	16.7	15.8	16.2	23.2	21.9	22.3
30	---	---	---	14.3	13.4	13.6	18.3	15.7	16.9	22.9	22.0	22.5
31	---	---	---	15.4	13.5	14.4	---	---	---	22.5	20.3	21.4
MONTH	9.6	3.1	6.4	15.4	6.4	9.6	18.3	11.5	14.6	23.2	14.8	19.4

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.8	20.6	21.3	27.9	26.1	26.5	29.0	28.5	28.8	29.0	28.1	28.4
2	21.1	20.7	20.9	28.3	26.7	27.7	30.0	28.4	28.8	29.1	28.4	28.7
3	21.8	20.8	21.0	28.2	26.8	27.7	30.1	28.8	29.2	29.8	28.6	29.1
4	21.5	20.8	20.9	29.0	27.5	28.0	30.5	29.0	29.5	29.4	27.9	28.5
5	21.7	20.8	21.0	29.0	28.0	28.4	30.6	29.1	29.6	27.9	26.9	27.3
6	21.8	20.8	21.1	29.4	28.0	28.3	30.3	29.2	29.6	27.0	26.0	26.4
7	23.4	20.8	21.7	29.5	28.0	28.7	30.2	29.4	29.7	26.3	25.8	26.1
8	23.4	21.0	22.0	29.3	28.2	28.9	29.5	29.0	29.2	26.0	25.2	25.6
9	24.5	22.0	22.9	29.4	28.6	29.0	29.2	28.8	29.0	26.1	25.2	25.6
10	26.1	21.8	23.6	29.4	28.6	28.9	29.1	28.4	28.6	25.8	24.6	25.2
11	26.1	22.9	24.5	29.9	28.8	29.1	29.2	28.2	28.6	---	---	---
12	26.5	24.1	25.4	30.0	28.8	29.5	30.2	28.5	29.1	---	---	---
13	26.7	24.4	25.9	29.8	28.2	29.0	30.6	28.9	29.5	---	---	---
14	27.8	26.0	26.5	28.4	27.8	28.1	30.4	29.4	29.7	---	---	---
15	28.2	27.1	27.4	28.8	27.9	28.2	30.9	29.4	29.8	---	---	---
16	29.1	27.5	28.4	28.9	28.3	28.4	30.7	29.1	30.0	---	---	---
17	28.8	27.2	28.1	29.6	28.5	29.0	30.5	29.6	30.0	---	---	---
18	28.2	26.8	27.6	29.9	28.3	29.1	30.0	29.3	29.6	---	---	---
19	27.4	26.7	27.0	30.4	29.1	29.7	30.3	29.3	29.7	---	---	---
20	26.7	25.4	26.1	30.3	29.2	29.7	30.4	29.5	30.0	27.0	25.2	25.8
21	25.4	24.6	25.0	30.3	28.6	29.5	31.7	29.8	30.4	27.1	25.7	26.5
22	26.6	24.7	25.2	31.0	29.1	29.8	31.0	30.3	30.6	27.0	26.0	26.5
23	26.2	24.8	25.6	30.5	29.3	29.9	31.0	30.4	30.7	26.8	26.0	26.3
24	27.4	24.9	26.1	30.6	29.2	29.8	30.5	29.7	30.0	27.4	26.1	26.8
25	26.6	26.0	26.3	30.0	29.1	29.4	29.7	28.4	29.1	27.0	26.2	26.5
26	26.5	25.8	26.2	30.1	29.2	29.6	28.7	27.5	28.0	26.7	26.0	26.3
27	27.0	26.0	26.4	30.5	29.1	29.8	28.4	27.5	27.8	26.7	26.0	26.4
28	27.1	26.1	26.7	31.8	29.8	30.7	28.4	27.1	27.7	26.4	25.4	25.8
29	27.0	25.9	26.4	30.9	29.7	30.1	28.6	27.6	28.1	26.1	25.6	25.7
30	26.4	25.9	26.1	29.9	29.2	29.6	28.6	28.0	28.1	25.8	25.0	25.3
31	---	---	---	29.3	28.8	29.1	29.3	28.3	28.8	---	---	---
MONTH	29.1	20.6	24.8	31.8	26.1	29.0	31.7	27.1	29.3	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.4	6.5	7.2	9.8	8.2	9.0	10.2	9.3	9.6	11.7	10.7	11.2
2	8.4	6.5	7.1	10.1	8.1	9.1	9.8	9.3	9.6	11.3	10.5	10.8
3	9.4	6.3	7.7	9.7	7.8	8.5	10.1	9.4	9.7	11.9	10.7	11.2
4	9.5	7.7	8.3	9.1	7.3	8.0	10.3	9.7	10	11.9	10.9	11.4
5	8.7	7.9	8.3	8.8	7.6	8.0	10.7	10.1	10.3	12.0	10.9	11.4
6	8.9	7.6	8.2	9.1	7.9	8.5	10.7	9.9	10.2	11.5	9.7	10.9
7	8.5	7.4	7.9	9.3	8.3	8.8	10.6	9.2	10	10.5	9.6	10.1
8	9.4	7.1	8.0	8.7	8.4	8.5	10.2	9.0	9.8	10.8	9.6	10.1
9	9.3	7.3	8.2	8.9	8.3	8.6	10.0	9.3	9.7	10.4	9.5	9.8
10	9.4	7.7	8.4	8.7	7.8	8.3	9.4	8.7	9.0	10.1	9.5	9.8
11	9.5	7.9	8.5	9.1	7.8	8.6	9.4	8.6	9.0	10.2	9.4	9.8
12	9.4	8.1	8.9	9.1	8.6	8.9	9.6	8.9	9.1	10.6	9.3	9.8
13	9.4	7.8	8.6	9.1	8.6	8.9	9.7	8.8	9.2	10.2	8.8	9.6
14	8.4	7.0	7.9	9.7	8.9	9.2	9.6	9.0	9.3	9.2	8.1	8.8
15	8.3	7.5	7.8	10.0	9.3	9.7	9.8	9.1	9.4	9.2	8.3	8.7
16	8.7	7.1	7.9	10.4	9.9	10.1	10.4	9.2	9.8	9.6	8.8	9.1
17	9.2	6.6	8.3	10.8	10.2	10.4	10.8	9.6	10.0	10.0	8.9	9.5
18	9.6	8.1	8.6	11.0	10.3	10.6	10.4	9.4	9.9	---	---	---
19	9.3	6.8	8.4	11.4	10.5	10.8	10.7	9.4	10.0	---	---	---
20	8.7	7.8	8.3	11.3	10.0	10.8	10.3	9.6	9.9	---	---	---
21	8.7	7.7	8.1	11.1	9.2	10.5	10.3	9.5	9.9	---	---	---
22	8.5	7.7	8.0	11.0	9.3	10.2	10.0	9.4	9.7	---	---	---
23	8.8	7.7	8.3	10.5	9.1	10.1	9.7	9.0	9.4	---	---	---
24	9.3	8.2	8.6	10.1	9.0	9.7	9.7	8.8	9.1	---	---	---
25	9.5	8.4	9.0	9.7	8.6	9.0	9.3	8.8	9.1	---	---	---
26	10.5	8.8	9.4	9.5	8.9	9.1	9.8	9.1	9.5	---	---	---
27	10.8	8.8	10	9.9	9.3	9.5	10.1	9.3	9.7	12.2	11.8	12.0
28	10.4	8.9	9.8	9.8	9.2	9.5	11.1	9.8	10.3	12.3	11.9	12.2
29	10.7	8.1	9.8	10.0	9.2	9.7	11.6	10.5	11.1	12.6	12.2	12.4
30	10.3	9.1	9.7	10.3	9.8	10	11.0	10.5	10.8	12.5	12.1	12.3
31	10.1	8.9	9.4	---	---	---	11.5	10.4	10.8	12.2	12.0	12.1
MONTH	10.8	6.3	8.5	11.4	7.3	9.4	11.6	8.6	9.8	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	12.3	12.0	12.1	10.2	9.9	10.0	---	---	---	8.8	7.8	8.1
2	12.4	12.1	12.3	10.3	9.8	10.1	---	---	---	9.3	8.1	8.6
3	12.4	12.1	12.2	10.6	10.1	10.3	---	---	---	9.6	7.9	8.5
4	12.1	11.8	11.9	11.7	10.4	11.0	---	---	---	---	---	---
5	12.1	11.8	11.9	11.4	10.8	11.1	---	---	---	---	---	---
6	12.1	11.8	12.0	11.8	10.9	11.2	---	---	---	---	---	---
7	12.2	11.8	12.0	11.6	10.9	11.3	10.7	9.1	10.1	---	---	---
8	12.3	11.8	12.0	11.0	9.6	10.1	9.8	8.9	9.4	---	---	---
9	12.2	11.7	12.0	---	---	---	9.4	8.7	9.0	---	---	---
10	12.0	11.1	11.5	---	---	---	10.2	8.8	9.4	---	---	---
11	11.3	10.9	11.1	---	---	---	11.7	9.4	10.4	---	---	---
12	11.6	11.0	11.3	---	---	---	10.3	8.9	9.7	9.6	8.2	8.7
13	11.9	11.3	11.5	---	---	---	9.4	9.0	9.2	8.5	7.7	7.9
14	11.6	11.3	11.4	---	---	---	10.1	9.1	9.6	9.2	7.5	8.2
15	12.1	11.1	11.5	---	---	---	10.2	9.6	9.8	9.3	7.4	8.2
16	12.0	11.6	11.8	---	---	---	10.8	10.0	10.3	9.0	8.0	8.4
17	11.8	11.4	11.6	---	---	---	11.6	10.5	11.0	8.9	7.2	8.1
18	11.5	11.0	11.2	---	---	---	12.9	11.3	12.1	8.6	7.3	7.8
19	11.5	10.8	11.1	---	---	---	13.0	11.9	12.5	8.1	7.4	7.6
20	11.3	10.8	11.1	---	---	---	12.5	11.1	12.0	8.1	7.1	7.5
21	11.3	10.7	11.0	---	---	---	11.6	10.1	10.8	8.1	6.8	7.4
22	10.9	10.5	10.7	---	---	---	10.3	9.1	9.9	8.4	7.5	8.0
23	10.8	10.4	10.6	---	---	---	9.2	8.2	8.7	9.1	7.3	8.2
24	10.5	10.0	10.3	---	---	---	8.8	8.2	8.6	9.4	8.0	8.5
25	10.3	9.8	10.1	---	---	---	9.1	8.4	8.8	8.4	7.7	8.0
26	11.0	10.0	10.5	---	---	---	8.8	8.5	8.6	9.2	7.6	8.3
27	10.9	10.2	10.7	---	---	---	9.2	8.3	8.6	9.8	8.2	9.0
28	10.4	10.0	10.2	---	---	---	9.1	8.4	8.7	9.5	8.5	9.0
29	---	---	---	---	---	---	9.1	8.4	8.8	9.6	8.2	8.9
30	---	---	---	---	---	---	8.8	7.7	8.3	9.1	8.3	8.8
31	---	---	---	---	---	---	---	---	---	8.9	7.4	8.3
MONTH	12.4	9.8	11.3	---	---	---	---	---	---	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.2	7.8	10.4	7.6	8.6	---	---	---	9.3	5.6	7.1
2	7.8	6.9	7.4	9.5	7.3	8.0	---	---	---	9.1	6.6	7.8
3	9.5	7.2	8.1	8.4	7.2	7.8	---	---	---	8.2	6.8	7.3
4	10.1	8.2	9.1	9.4	6.8	7.8	11.2	7.2	8.9	7.2	6.4	6.8
5	10.9	7.4	9.4	7.8	5.8	7.0	10.5	6.5	8.2	7.1	6.1	6.6
6	10.5	7.7	9.2	8.5	5.3	7.2	8.5	6.5	7.3	7.6	6.5	7.0
7	10.0	8.0	8.7	9.9	6.8	8.2	7.6	5.6	6.5	7.9	6.7	7.1
8	9.2	7.4	8.3	8.1	4.8	6.4	7.0	5.0	5.6	8.0	6.6	7.2
9	8.8	7.0	8.1	10.6	5.5	7.4	6.6	4.8	5.6	8.2	6.4	7.2
10	8.1	5.8	7.3	10.0	5.2	7.3	9.7	4.6	6.2	7.1	6.5	6.8
11	---	---	---	10.9	6.6	8.3	---	---	---	---	---	---
12	---	---	---	9.3	6.2	7.9	---	---	---	---	---	---
13	---	---	---	7.9	4.7	6.2	---	---	---	---	---	---
14	---	---	---	8.2	4.5	6.2	---	---	---	---	---	---
15	---	---	---	9.8	6.0	7.5	---	---	---	---	---	---
16	8.8	7.3	7.9	12.5	7.6	9.4	---	---	---	---	---	---
17	8.5	6.5	7.3	9.6	7.9	8.7	---	---	---	---	---	---
18	8.1	6.3	7.6	8.7	6.6	7.9	8.3	5.8	6.7	---	---	---
19	7.4	5.6	6.6	9.4	6.6	7.9	9.6	5.4	7.3	---	---	---
20	7.3	6.5	6.9	9.0	6.5	7.6	10.4	6.4	7.7	10.6	6.8	8.4
21	8.4	6.7	7.5	9.9	6.3	7.8	10.2	6.7	8.4	10.0	7.2	8.0
22	8.6	6.4	7.6	8.8	5.8	7.3	9.5	6.4	7.8	8.7	6.6	7.8
23	8.8	7.1	7.8	9.9	6.0	7.7	8.1	5.8	7.2	11.1	7.2	8.5
24	8.5	6.6	7.4	9.5	6.2	8.0	8.1	6.0	6.8	8.7	6.8	7.9
25	7.9	6.3	7.0	9.6	6.5	7.9	7.4	5.4	6.4	8.2	6.3	7.2
26	7.6	6.3	6.9	9.9	5.9	7.9	8.3	6.2	7.1	8.1	6.1	7.1
27	8.8	6.3	7.6	10.1	6.3	8.3	7.4	5.7	6.6	7.6	6.4	7.0
28	8.6	7.1	8.1	8.9	6.5	7.5	7.7	5.7	6.5	8.3	6.3	7.0
29	8.0	7.1	7.6	---	---	---	7.5	5.9	6.7	9.1	6.0	7.2
30	9.3	6.2	7.6	---	---	---	8.4	5.9	7.1	7.2	6.3	6.8
31	---	---	---	---	---	---	7.8	5.5	6.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	4.2	6.7	7.6	5.5	6.2	9.4	8.8	9.1	12.2	10.0	10.8
2	7.5	6.4	6.8	8.3	5.0	6.5	10.0	9.3	9.6	11.8	10.0	10.8
3	8.0	5.2	6.5	8.5	4.8	6.9	10.2	9.6	9.9	12.2	9.7	10.5
4	8.1	4.9	6.7	7.6	4.3	6.0	10.2	9.1	9.7	11.6	9.8	10.2
5	8.6	4.8	7.4	8.5	7.5	7.8	10.3	8.9	9.4	11.3	9.8	10.1
6	8.7	6.9	7.8	8.9	7.7	8.1	10.2	8.5	8.9	10.9	9.6	10.2
7	8.0	6.2	7.2	8.8	7.6	8.3	10.0	8.3	8.9	10.6	9.0	9.9
8	7.8	4.8	6.8	8.7	8.2	8.5	9.6	8.5	9.1	11.0	9.8	10.2
9	8.1	4.4	6.2	9.0	8.3	8.6	9.8	7.8	9.0	10.7	8.8	10.0
10	9.0	5.9	7.6	9.1	8.4	8.7	9.5	8.4	9.1	10.5	9.6	10.3
11	9.1	4.3	7.9	9.1	8.5	8.8	9.6	8.8	9.2	10.6	9.1	10.1
12	9.2	6.6	8.0	8.8	7.8	8.4	9.6	8.7	9.2	10.6	9.0	10.0
13	8.5	5.7	6.7	9.0	8.3	8.7	9.8	8.8	9.3	10.5	8.8	9.6
14	8.6	6.0	7.5	9.4	8.6	9.0	9.7	9.2	9.4	9.7	8.6	9.1
15	8.2	5.1	7.0	9.6	8.9	9.3	10.2	9.3	9.7	9.3	8.6	9.0
16	8.8	7.2	8.0	9.5	8.8	9.1	10.5	9.2	9.9	9.3	9.1	9.2
17	9.3	8.0	8.4	9.7	8.0	8.6	10.7	8.8	9.9	9.7	9.2	9.4
18	9.2	4.9	8.0	9.0	6.9	8.1	10.9	9.0	10.0	10.4	9.5	9.8
19	8.8	4.8	6.9	9.0	7.1	7.8	10.8	9.2	10.2	11.3	9.7	10.3
20	8.2	5.5	6.9	8.2	7.1	7.8	10.9	10.3	10.6	10.9	10.2	10.5
21	8.3	4.7	7.4	9.2	7.6	7.9	11.1	10.0	10.7	10.9	10.3	10.7
22	8.1	7.2	7.7	9.4	7.5	7.9	11.0	9.6	10.3	11.0	10.5	10.7
23	8.7	7.4	8.1	9.0	7.4	7.9	11.0	9.3	10.1	11.1	10.7	10.9
24	8.6	7.1	8.1	8.8	7.1	8.1	10.7	9.6	10.4	11.2	10.4	10.9
25	9.0	7.0	7.8	9.1	7.8	8.7	10.9	10.3	10.5	11.6	10.3	10.9
26	8.6	5.9	7.3	9.1	8.4	8.8	10.9	10.5	10.7	12.2	8.5	10.5
27	8.1	5.8	6.6	9.5	8.9	9.2	11.2	10.7	10.9	11.6	8.6	11.0
28	7.1	6.1	6.7	9.4	8.8	9.2	11.5	10.4	11.0	12.3	10.5	11.1
29	8.3	5.5	6.6	9.6	8.9	9.3	12.1	10.6	11.5	12.6	9.4	11.2
30	7.5	5.1	6.1	9.6	8.6	9.0	11.8	11.2	11.6	12.6	10.1	12.2
31	8.3	5.4	6.2	---	---	---	12.4	10.2	11.5	12.5	10.9	12.2
MONTH	9.3	4.2	7.2	9.7	4.3	8.2	12.4	7.8	10.0	12.6	8.5	10.4
		FEBRUARY			MARCH			APRIL			MAY	
1	12.5	12.1	12.3	---	---	---	10.1	7.8	9.0	8.2	7.7	8.0
2	12.8	11.8	12.2	---	---	---	9.5	8.0	8.9	9.0	7.3	8.1
3	12.4	11.6	12.1	---	---	---	9.4	8.9	9.2	8.7	7.7	8.2
4	12.4	11.6	12.1	---	---	---	9.9	8.5	9.1	8.4	8.0	8.2
5	12.2	9.8	11.6	---	---	---	9.6	7.3	8.5	8.2	7.8	8.1
6	12.3	9.2	11.1	---	---	---	9.2	6.0	7.8	8.4	8.0	8.2
7	11.6	8.3	10.8	---	---	---	9.1	5.6	7.8	8.9	8.0	8.4
8	11.8	8.5	10.7	---	---	---	8.3	7.1	7.8	9.8	7.7	8.9
9	11.7	7.8	9.5	---	---	---	8.5	7.6	8.4	10.3	6.6	8.7
10	11.8	8.8	10.8	11.0	9.4	10.4	9.3	7.9	8.5	9.8	8.2	8.9
11	11.4	9.2	10.4	11.1	9.0	10.2	9.4	7.2	8.2	9.2	7.5	8.5
12	10.9	7.9	9.7	10.7	10.0	10.5	9.4	6.4	8.2	9.2	4.5	7.8
13	---	---	---	10.6	10.0	10.3	8.9	8.4	8.8	8.0	5.2	7.6
14	---	---	---	10.6	10.2	10.4	9.6	8.7	9.1	8.2	5.0	7.3
15	---	---	---	11.3	10.3	10.6	9.7	9.3	9.5	8.5	3.4	6.8
16	---	---	---	10.8	9.7	10.5	10.3	9.6	9.9	8.9	2.9	7.0
17	---	---	---	10.5	10.3	10.4	10.9	9.5	10.1	9.0	2.6	6.9
18	---	---	---	10.7	10.3	10.5	11.2	8.5	10	8.6	7.0	7.8
19	---	---	---	11.0	10.5	10.8	10.9	8.1	9.2	8.0	6.6	7.5
20	---	---	---	11.2	10.5	10.8	10.8	7.2	8.4	8.1	7.3	7.6
21	---	---	---	11.1	9.7	10.5	10.3	7.3	8.2	8.3	7.0	7.6
22	---	---	---	10.9	9.8	10.5	9.6	7.2	8.3	8.2	7.0	7.8
23	---	---	---	10.6	10.1	10.3	8.8	6.9	8.1	8.4	5.9	7.4
24	---	---	---	10.3	8.8	10.0	8.9	8.1	8.6	8.6	4.5	7.6
25	---	---	---	10.2	9.7	10	9.1	8.3	8.8	8.2	7.7	8.0
26	---	---	---	10.3	9.7	10.0	8.8	7.7	8.5	8.4	7.1	7.7
27	---	---	---	10.2	9.5	9.9	8.9	7.8	8.5	8.0	5.7	6.8
28	---	---	---	9.9	8.8	9.7	8.8	8.2	8.6	8.9	4.9	7.7
29	---	---	---	9.9	9.5	9.6	9.0	6.6	8.5	9.0	6.6	8.0
30	---	---	---	9.9	8.7	9.3	8.7	5.1	8.0	8.8	5.9	8.1
31	---	---	---	10.0	8.7	9.5	---	---	---	8.0	2.8	5.6
MONTH	---	---	---	---	---	---	11.2	5.1	8.7	10.3	2.6	7.8

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.6	2.5	5.7	8.9	1.7	5.4	7.4	5.1	5.9	7.1	4.9	5.7
2	7.6	6.8	7.2	8.7	2.2	7.1	9.1	5.7	6.8	7.4	4.2	6.0
3	7.9	4.5	6.4	8.1	3.1	6.7	8.6	5.3	7.0	7.3	2.8	6.0
4	7.3	4.0	5.2	8.2	4.7	7.1	9.5	3.2	7.0	7.0	2.2	5.8
5	7.7	3.4	4.8	7.9	5.8	7.0	9.0	4.5	6.8	6.8	5.8	6.4
6	6.1	3.1	4.3	7.6	4.5	6.0	7.8	2.6	5.7	7.0	6.2	6.5
7	6.8	1.6	3.7	7.4	2.6	5.0	7.2	2.1	5.5	7.2	6.1	6.6
8	5.3	1.7	3.0	7.8	4.7	6.2	6.9	4.3	5.4	7.8	6.0	6.8
9	5.5	1.5	3.2	6.8	1.4	5.4	6.1	3.7	4.8	8.0	6.5	7.1
10	6.8	0.3	3.0	6.2	1.2	4.5	7.2	2.5	4.8	7.3	6.7	7.0
11	6.6	1.2	3.9	8.0	0.8	4.5	8.6	0.1	4.6	---	---	---
12	6.4	1.8	5.0	7.8	0.8	5.9	7.9	0.3	5.1	---	---	---
13	7.0	1.0	5.0	7.7	1.2	5.2	8.1	0.3	4.9	---	---	---
14	7.2	1.8	5.7	6.3	3.3	4.5	7.1	2.3	4.9	---	---	---
15	7.2	4.2	6.1	8.7	5.0	6.3	7.9	4.5	5.7	---	---	---
16	7.7	4.3	6.1	7.8	0.2	5.0	7.4	0.2	4.4	---	---	---
17	7.2	2.2	6.1	8.3	1.0	6.7	6.8	1.2	5.7	---	---	---
18	7.9	0.7	4.8	7.9	0.8	6.2	7.3	5.0	6.3	---	---	---
19	7.6	4.2	6.6	8.2	4.4	6.7	8.2	4.8	6.1	---	---	---
20	7.6	6.6	7.2	7.2	4.4	6.3	8.0	5.7	6.7	8.0	1.3	4.0
21	7.3	5.8	6.8	7.1	0.1	5.7	8.9	4.7	6.6	9.0	1.1	5.5
22	8.1	4.0	6.6	7.5	4.2	5.9	8.4	3.1	5.8	8.0	1.1	5.8
23	7.7	2.2	5.7	7.3	1.8	5.1	7.3	4.3	6.1	7.2	1.6	5.5
24	8.1	2.3	6.3	7.7	0.1	5.2	7.5	1.2	5.4	7.9	1.6	5.8
25	7.8	4.2	6.7	6.9	4.2	5.8	7.3	0.6	5.0	7.8	3.3	6.4
26	7.6	6.4	6.8	6.7	0.8	5.6	7.7	6.0	6.5	7.2	6.1	6.5
27	7.7	4.7	6.4	7.4	0.8	4.2	7.1	5.0	6.1	7.6	6.0	6.8
28	7.7	3.6	6.1	8.0	1.6	5.8	6.8	5.0	5.7	8.3	6.3	6.9
29	7.5	3.2	5.3	6.3	2.8	5.2	6.9	5.0	5.9	8.0	5.7	6.4
30	6.6	3.9	5.7	6.4	1.3	5.5	7.3	4.2	5.8	---	---	---
31	---	---	---	6.4	1.3	5.4	7.6	5.3	6.4	---	---	---
MONTH	8.1	0.3	5.5	8.9	0.1	5.7	9.5	0.1	5.8	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	100	77	86	108	87	98	95	88	90	93	86	90
2	101	77	85	111	87	99	92	86	90	95	85	89
3	115	75	92	106	84	92	93	87	90	100	88	92
4	116	92	100	99	78	86	94	88	91	101	90	96
5	104	93	99	94	81	86	96	91	93	105	95	100
6	104	89	96	96	83	89	96	91	93	100	85	94
7	99	86	91	97	86	91	98	87	93	93	85	89
8	108	81	92	90	85	88	98	85	94	97	85	89
9	108	83	93	90	84	87	96	89	93	93	85	87
10	109	88	97	87	77	82	91	83	87	92	85	88
11	109	90	96	90	77	85	91	84	87	92	84	88
12	106	90	100	90	84	88	---	---	---	97	85	89
13	106	88	97	90	85	88	90	82	86	94	82	88
14	95	79	89	92	85	88	87	82	84	86	74	82
15	92	84	87	95	88	91	86	81	83	83	75	79
16	95	78	86	96	92	94	88	79	84	85	77	80
17	101	71	90	101	93	97	89	81	85	85	77	81
18	104	87	93	103	96	99	88	80	84	---	---	---
19	103	74	92	106	97	100	91	80	85	---	---	---
20	96	86	91	108	94	102	85	78	82	---	---	---
21	96	84	89	107	87	101	82	75	79	---	---	---
22	92	84	87	107	89	99	81	75	78	---	---	---
23	94	83	89	102	87	98	82	76	78	---	---	---
24	97	86	90	99	87	94	81	73	76	---	---	---
25	98	87	93	95	85	89	76	72	74	---	---	---
26	108	90	97	91	85	88	78	74	76	---	---	---
27	112	91	102	93	87	90	80	73	76	92	89	90
28	109	92	102	92	87	90	85	75	79	91	88	89
29	111	85	102	95	86	91	87	80	85	93	88	90
30	110	95	103	96	90	93	86	81	84	92	90	91
31	110	95	102	---	---	---	92	81	86	91	89	90
MONTH	116	71	94	111	77	92	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	92	89	91	87	84	85	---	---	---	94	82	86
2	95	90	92	86	82	84	---	---	---	100	85	91
3	94	91	92	88	83	85	---	---	---	104	83	90
4	91	89	90	98	84	91	---	---	---	---	---	---
5	93	89	91	97	89	93	---	---	---	---	---	---
6	95	90	93	100	91	95	---	---	---	---	---	---
7	96	92	94	101	93	96	111	94	104	---	---	---
8	97	92	95	94	82	87	104	93	99	---	---	---
9	100	94	97	---	---	---	99	89	93	---	---	---
10	100	90	95	---	---	---	104	88	95	---	---	---
11	91	87	89	---	---	---	122	94	105	---	---	---
12	93	86	90	---	---	---	105	89	97	107	88	95
13	97	90	92	---	---	---	94	89	92	94	84	86
14	95	91	93	---	---	---	99	89	93	104	81	90
15	103	91	96	---	---	---	96	91	94	107	81	92
16	103	97	100	---	---	---	102	92	96	102	89	94
17	102	97	99	---	---	---	110	97	103	102	80	91
18	98	93	95	---	---	---	126	107	116	98	81	88
19	99	90	93	---	---	---	131	113	123	91	83	85
20	96	90	94	---	---	---	126	114	121	92	80	84
21	96	92	94	---	---	---	126	103	112	91	75	83
22	95	91	92	---	---	---	108	96	103	94	84	89
23	95	89	92	---	---	---	97	83	90	105	81	92
24	91	86	89	---	---	---	90	82	86	108	91	97
25	88	84	86	---	---	---	91	82	87	94	86	90
26	94	84	89	---	---	---	88	84	86	104	83	93
27	93	86	90	---	---	---	96	83	87	113	91	102
28	89	85	87	---	---	---	95	84	89	111	96	103
29	---	---	---	---	---	---	94	85	90	113	94	104
30	---	---	---	---	---	---	90	80	86	106	96	102
31	---	---	---	---	---	---	---	---	---	104	85	95
MONTH	103	84	92	---	---	---	---	---	---	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	92	82	89	133	96	110	---	---	---	124	72	92
2	88	77	83	123	93	103	---	---	---	121	86	103
3	110	81	92	109	92	100	---	---	---	110	89	96
4	116	95	105	121	87	101	151	95	119	93	82	87
5	127	84	110	102	75	90	140	86	108	90	77	84
6	126	90	110	113	68	94	114	85	97	95	81	87
7	125	96	105	132	89	109	101	74	87	98	83	88
8	114	91	102	106	62	84	92	65	74	99	81	88
9	111	86	101	140	71	97	87	63	73	103	78	89
10	102	71	90	136	67	97	130	60	82	88	80	83
11	---	---	---	146	86	111	---	---	---	---	---	---
12	---	---	---	125	81	104	---	---	---	---	---	---
13	---	---	---	105	61	80	---	---	---	---	---	---
14	---	---	---	107	57	80	---	---	---	---	---	---
15	---	---	---	130	77	97	---	---	---	---	---	---
16	117	95	103	166	98	123	---	---	---	---	---	---
17	111	83	94	127	103	114	---	---	---	---	---	---
18	104	80	97	116	86	104	112	76	89	---	---	---
19	94	70	84	126	86	105	128	71	98	---	---	---
20	90	81	86	121	85	101	140	84	103	139	89	110
21	104	81	91	133	83	104	139	89	113	130	93	103
22	108	77	94	119	76	98	130	85	105	112	82	98
23	111	88	97	133	79	103	109	78	97	145	89	107
24	108	81	92	128	81	107	108	80	90	111	84	99
25	99	78	87	129	85	104	96	70	83	103	77	89
26	95	78	85	134	78	106	108	78	91	99	72	86
27	113	78	95	140	84	112	95	72	83	92	75	84
28	109	89	102	124	87	102	99	72	83	100	72	83
29	101	88	95	---	---	---	97	75	86	116	73	89
30	122	76	95	---	---	---	109	75	91	88	77	83
31	---	---	---	---	---	---	102	71	87	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	95	50	79	80	57	64	89	83	86	96	79	86
2	89	76	81	89	52	68	94	86	90	93	79	86
3	96	62	78	93	51	74	94	89	91	97	77	84
4	98	58	80	82	46	64	94	85	90	92	78	82
5	103	57	88	90	79	82	94	83	87	95	79	82
6	102	81	91	94	80	86	94	79	83	92	78	83
7	92	71	83	92	80	87	94	78	83	92	76	82
8	89	55	78	90	84	87	91	80	86	98	81	87
9	93	51	71	91	84	87	93	74	85	95	76	89
10	104	68	88	90	83	86	91	79	88	95	84	91
11	104	49	90	90	83	87	93	86	89	95	80	90
12	104	75	91	87	77	83	90	82	87	95	77	89
13	96	65	77	89	82	85	91	82	87	95	76	86
14	97	68	84	89	83	86	89	84	86	90	79	85
15	92	58	78	91	85	88	89	84	86	84	79	81
16	96	78	88	89	83	86	91	81	86	83	79	81
17	102	86	91	90	75	81	91	77	85	83	79	81
18	100	54	86	84	65	77	93	79	86	85	79	82
19	97	53	75	84	68	74	92	80	88	90	79	83
20	90	60	76	78	68	74	91	85	88	86	81	83
21	91	52	82	88	72	75	89	83	86	87	82	85
22	88	78	83	90	71	75	89	80	84	86	82	84
23	93	79	86	86	71	75	89	78	84	86	82	84
24	89	75	85	85	68	77	90	82	87	83	78	81
25	93	74	81	91	76	85	90	85	86	85	78	81
26	88	62	76	87	81	84	88	85	86	91	64	79
27	84	61	68	89	84	86	89	84	86	88	65	83
28	74	64	70	90	83	87	89	82	86	90	77	82
29	87	58	69	91	84	87	93	83	89	92	69	82
30	78	53	64	90	81	85	92	87	90	94	75	90
31	88	57	65	---	---	---	98	80	91	94	81	91
MONTH	104	49	80	94	46	81	98	74	87	98	64	84
		FEBRUARY			MARCH			APRIL			MAY	
1	94	90	92	---	---	---	101	76	89	87	81	84
2	96	89	92	---	---	---	96	78	89	98	77	85
3	94	88	91	---	---	---	93	87	90	93	81	86
4	94	88	91	---	---	---	99	82	90	90	85	87
5	94	75	88	---	---	---	95	71	84	87	82	85
6	94	70	85	---	---	---	92	59	78	86	82	84
7	89	64	83	---	---	---	95	55	79	90	81	84
8	92	66	83	---	---	---	86	72	80	102	78	91
9	91	61	74	---	---	---	89	78	86	110	67	90
10	98	68	87	95	80	88	94	79	86	104	86	93
11	92	74	83	97	77	87	94	72	83	100	79	90
12	87	63	77	91	85	89	94	64	82	103	48	84
13	---	---	---	92	86	89	89	83	87	88	55	82
14	---	---	---	92	88	90	94	85	89	89	54	79
15	---	---	---	98	88	92	92	88	90	95	37	75
16	---	---	---	95	84	91	97	90	92	101	31	78
17	---	---	---	89	88	89	103	88	94	103	28	77
18	---	---	---	92	86	89	106	79	93	98	78	87
19	---	---	---	95	89	92	103	75	86	90	74	84
20	---	---	---	97	91	93	102	67	78	92	82	86
21	---	---	---	98	84	92	103	68	78	93	77	85
22	---	---	---	99	86	93	101	68	82	92	78	87
23	---	---	---	97	92	94	92	65	82	94	66	83
24	---	---	---	97	81	93	90	81	86	98	50	86
25	---	---	---	95	90	93	91	82	87	93	86	89
26	---	---	---	98	90	94	88	77	84	93	78	85
27	---	---	---	96	89	93	91	78	85	90	63	75
28	---	---	---	96	83	92	91	82	87	103	54	87
29	---	---	---	96	90	92	92	67	86	106	76	93
30	---	---	---	97	83	90	89	51	83	103	68	94
31	---	---	---	100	84	93	---	---	---	93	31	64
MONTH	---	---	---	---	---	---	106	51	86	110	28	84

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	87	28	64	112	21	68	96	66	77	93	63	74
2	86	76	81	112	28	91	121	74	88	96	54	77
3	90	50	72	104	39	85	114	70	92	97	36	79
4	83	45	58	107	60	91	127	42	92	91	29	74
5	88	38	55	102	75	90	120	59	90	86	74	80
6	69	35	48	100	58	78	104	34	75	88	77	82
7	80	18	42	97	33	65	95	28	73	90	76	81
8	62	19	34	102	60	81	91	56	71	96	74	84
9	66	17	38	89	18	70	80	48	62	99	79	88
10	84	3	36	81	16	59	94	32	62	90	82	86
11	82	14	47	106	10	59	112	1	60	---	---	---
12	80	21	61	103	10	78	105	4	67	---	---	---
13	88	12	62	102	16	68	109	4	65	---	---	---
14	92	22	71	81	42	58	95	30	64	---	---	---
15	92	53	77	116	65	82	107	59	75	---	---	---
16	100	55	78	101	3	65	99	3	58	---	---	---
17	93	28	78	109	13	87	91	16	76	---	---	---
18	101	9	61	105	10	81	97	66	83	---	---	---
19	96	53	83	109	58	88	109	63	81	---	---	---
20	94	82	89	96	58	83	107	76	90	106	17	53
21	89	70	83	94	1	75	122	62	88	120	15	72
22	101	48	80	101	56	78	113	41	77	106	14	76
23	96	27	70	98	24	68	98	57	82	94	22	72
24	101	28	79	103	1	69	100	16	72	106	22	77
25	98	52	84	92	55	76	95	8	65	104	44	85
26	95	79	85	89	10	74	100	76	83	95	80	85
27	97	58	80	99	10	56	92	64	78	100	78	90
28	97	45	77	109	21	78	88	63	73	109	82	90
29	94	40	66	84	37	69	89	64	76	99	70	79
30	82	48	70	85	17	72	94	54	75	---	---	---
31	---	---	---	84	17	71	100	68	83	---	---	---
MONTH	101	3	67	116	1	75	127	1	76	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18

LOCATION.--Lat 35°31'05", long 76°29'47", Hyde County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 18.

PERIOD OF RECORD.--Water years 2002 to current year.

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM): May 2002 to current year.
pH (TOP AND BOTTOM): May 2002 to current year.
WATER TEMPERATURE (TOP AND BOTTOM): May 2002 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM): May 2002 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May 2002 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from May 2002 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 21, 2003. The monitor was removed on September 11, 2005 to prevent possible destruction during Hurricane Ophelia. It was reinstalled on September 19, 2005. Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	18.5, October 11, 2002	0.3, August 17, 23, 2003
SALINITY (BOTTOM), ppt	20.5 October 25, 26, 2002	0.3, August 17, 23, 2003
pH (TOP), standard units	8.6, April 20, 2005	5.5, August 23, 2003
pH (BOTTOM), standard units	8.2, on several days during the period	5.5, August 23, 2003
WATER TEMPERATURE (TOP), °C	32.6, July 9, 2004	0.2, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	31.2, July 20, 2005	0.4, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	13.6, February 9, 2003	<1.0, July 22, 26, 27, 2004, August 5, 2005
DISSOLVED OXYGEN (BOTTOM), mg/L	13.1, January 25, 2003	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	11.2, November 25	2.0, July 22
SALINITY (BOTTOM), ppt	13.3, February 9, 10	2.8, July 22
pH (TOP), standard units	8.6, April 20	6.6, August 4, 10
pH (BOTTOM), standard units	7.9, on several days during the year	6.5, May 15
WATER TEMPERATURE (TOP), °C	32.2, August 13	1.6, January 29
WATER TEMPERATURE (BOTTOM), °C	31.2, July 20	1.3, January 25
DISSOLVED OXYGEN (TOP), mg/L	13.3, April 20	0.3, August 5
DISSOLVED OXYGEN (BOTTOM), mg/L	12.4, January 28, 29, 30, 31	0.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	136, April 20	4, August 5
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	102, August 31	0, on many days during the year

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.0	9.9	10	10.4	9.9	10.1	10.6	10.2	10.4	9.3	7.6	8.6
2	10	9.9	9.9	10.4	10.0	10.1	10.5	10.2	10.4	10.0	8.1	8.9
3	10	9.9	9.9	10.2	10	10.0	10.6	10.2	10.4	10.4	9.1	9.7
4	10	9.8	9.9	10.4	10.1	10.2	10.6	10.2	10.3	10	8.5	9.0
5	9.9	9.8	9.9	10.3	10.0	10.2	10.4	10.1	10.2	8.7	8.2	8.4
6	9.9	9.7	9.8	10.3	10.2	10.2	10.3	10.1	10.2	8.6	8.5	8.5
7	9.8	9.8	9.8	10.3	10	10.1	10.3	10.2	10.2	8.5	8.1	8.4
8	9.8	9.7	9.8	10.2	10.1	10.1	10.3	9.9	10.1	8.6	8.2	8.5
9	9.8	9.6	9.8	10.2	9.9	10.0	10.3	9.9	10.1	8.5	8.1	8.3
10	9.8	9.3	9.7	10.2	9.8	10.1	10.3	9.8	10.0	8.5	7.8	8.4
11	9.6	9.4	9.5	10.3	10.0	10.1	9.8	9.5	9.7	8.6	8.3	8.4
12	9.7	9.1	9.6	10.2	10.1	10.2	9.7	9.5	9.6	9.3	8.5	8.6
13	9.8	9.5	9.6	10.2	9.7	10	9.8	9.2	9.5	10.5	8.6	9.3
14	9.7	9.7	9.7	10.3	9.7	10	9.6	6.8	8.6	10.4	9.2	9.7
15	9.7	9.4	9.6	10.0	9.9	10.0	7.6	6.2	6.7	9.9	8.6	9.5
16	9.7	9.3	9.5	10.0	9.8	10	9.2	6.1	7.9	9.5	7.3	8.5
17	9.7	9.0	9.5	10.1	9.8	10.0	8.8	6.8	7.8	8.0	7.3	7.5
18	9.7	9.5	9.6	10.3	9.8	10.0	9.1	7.6	8.1	8.1	7.7	7.9
19	9.7	9.1	9.6	10.1	9.9	10	9.5	8.2	8.7	8.3	7.5	7.8
20	9.6	9.3	9.5	10.2	9.8	10.0	8.9	8.1	8.6	8.4	7.9	8.2
21	9.5	9.1	9.2	10.4	9.8	10.1	8.8	8.4	8.6	8.3	7.7	8.0
22	9.4	9.2	9.3	10.6	10	10.1	8.6	8.3	8.5	8.3	7.9	8.1
23	9.8	9.3	9.5	10.5	10.0	10.2	8.6	8.3	8.5	8.4	8.0	8.2
24	9.7	9.4	9.6	11.1	10.1	10.6	8.8	8.1	8.5	8.4	7.5	8.2
25	9.9	9.5	9.7	11.2	10.4	10.8	8.1	7.4	7.7	8.2	7.8	8.0
26	10	9.5	9.8	11.0	10.6	10.8	8.3	7.0	7.6	8.3	8.0	8.1
27	9.9	9.7	9.8	10.7	10.6	10.7	7.8	7.0	7.5	8.4	8.0	8.2
28	10.3	9.7	9.9	10.7	10.6	10.7	8.0	7.3	7.5	8.7	8.1	8.5
29	10.2	10	10.0	10.6	10.3	10.5	7.6	7.3	7.4	8.5	8.0	8.2
30	10.2	10	10.1	10.6	10.3	10.5	7.8	7.5	7.6	8.8	8.1	8.3
31	10.2	9.8	10.0	---	---	---	8.5	7.5	7.8	8.4	8.0	8.2
MONTH	10.3	9.0	9.7	11.2	9.7	10.2	10.6	6.1	8.9	10.5	7.3	8.5
		FEBRUARY			MARCH			APRIL			MAY	
1	8.3	8.1	8.2	10.4	9.8	10.2	8.9	8.3	8.7	5.6	5.3	5.4
2	8.6	8.1	8.4	10.2	9.7	9.9	9.0	8.1	8.7	5.5	5.4	5.5
3	8.8	8.5	8.6	10.2	9.9	10.0	8.3	6.7	7.5	5.7	5.3	5.5
4	8.6	8.1	8.4	10.1	9.2	9.9	7.9	7.0	7.5	6.0	5.6	5.8
5	9.2	8.3	8.7	10	9.4	9.8	7.7	6.6	7.2	6.1	5.6	5.9
6	9.1	8.8	8.9	9.6	8.5	9.1	7.2	6.7	7.0	6.3	4.7	5.8
7	9.7	8.9	9.5	9.4	9.0	9.1	7.3	6.8	7.0	5.3	4.3	5.0
8	11.0	9.4	10.1	9.4	8.4	8.9	7.1	6.4	6.8	5.3	4.1	4.5
9	11.1	9.8	10.7	9.3	8.9	9.1	6.8	6.2	6.5	5.5	3.5	4.5
10	10.2	9.6	9.8	9.3	9.1	9.2	6.7	5.3	5.8	5.4	3.8	4.6
11	10	9.7	9.9	9.5	8.8	9.2	6.5	5.6	6.2	5.3	4.4	4.8
12	10.0	9.8	9.9	9.1	8.7	8.9	6.5	6.1	6.3	5.0	4.3	4.5
13	10.1	9.8	9.9	9.2	8.5	8.9	6.7	6.3	6.5	4.8	4.5	4.6
14	10.3	10	10.2	9.3	8.3	8.9	6.8	6.4	6.6	4.8	4.4	4.6
15	10.3	9.9	10.2	9.2	8.5	8.7	6.8	6.2	6.6	4.7	4.4	4.5
16	10.2	9.8	10.0	9.5	8.6	9.0	6.7	6.4	6.6	4.6	4.4	4.5
17	10.3	9.7	10	9.6	9.2	9.4	6.5	5.9	6.2	5.1	4.5	4.8
18	10	9.6	9.9	9.4	8.8	9.2	6.2	5.9	6.1	4.9	4.8	4.9
19	10.2	9.4	9.8	9.3	8.9	9.1	6.2	6.0	6.1	5.1	4.8	5.0
20	10	9.5	9.7	9.1	8.6	8.9	6.2	6.0	6.1	5.2	4.7	5.0
21	10.0	9.6	9.8	9.0	8.7	8.8	6.1	5.7	5.9	5.1	4.7	4.9
22	10.0	9.7	9.8	9.2	8.6	9.0	6.2	5.4	6.0	5.0	4.8	4.9
23	10.2	9.9	10.0	9.3	9.1	9.3	5.8	5.4	5.6	4.8	4.7	4.8
24	10.3	10	10.2	9.2	8.2	8.7	6.0	5.7	5.8	5.0	4.7	4.8
25	10.2	9.7	10.0	9.0	8.5	8.7	6.0	5.6	5.7	5.0	4.7	4.8
26	10.2	9.8	10	8.9	8.6	8.7	5.9	5.6	5.8	---	---	---
27	10.6	10	10.2	8.8	8.7	8.8	5.9	5.7	5.8	---	---	---
28	10.5	10.2	10.3	9.1	8.7	8.9	5.9	5.4	5.7	4.8	4.7	4.7
29	---	---	---	8.8	8.3	8.6	6.0	5.5	5.7	4.9	4.6	4.8
30	---	---	---	8.7	8.5	8.6	5.9	4.9	5.5	4.9	4.8	4.8
31	---	---	---	9.0	8.3	8.7	---	---	---	5.1	4.8	4.9
MONTH	11.1	8.1	9.7	10.4	8.2	9.1	9.0	4.9	6.5	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.2	5.0	5.1	5.5	5.4	5.5	4.4	3.6	4.0	7.2	7.0	7.1
2	5.9	5.2	5.6	5.6	5.2	5.5	4.3	3.5	3.7	7.3	7.1	7.2
3	5.5	5.2	5.3	5.3	4.8	5.0	5.1	3.0	3.8	7.4	7.2	7.3
4	5.4	5.1	5.3	5.2	4.9	5.0	6.4	3.0	4.0	7.5	7.3	7.4
5	5.6	5.0	5.3	5.1	4.8	5.0	6.7	4.9	6.1	7.5	7.4	7.5
6	5.4	5.1	5.2	5.0	4.7	4.9	6.7	4.8	5.5	8.0	7.5	7.8
7	5.2	4.7	5.0	5.1	4.7	4.9	5.4	4.4	4.9	8.1	7.8	7.9
8	5.3	4.7	5.0	5.1	4.2	4.7	5.7	5.0	5.4	8.1	7.9	8.0
9	5.5	5.0	5.3	4.7	4.2	4.5	6.0	5.0	5.2	8.4	8.0	8.2
10	5.6	5.1	5.4	4.6	4.4	4.5	5.3	4.4	4.9	8.6	8.4	8.5
11	5.4	5.0	5.2	4.7	4.3	4.5	4.9	4.6	4.7	---	---	---
12	5.5	5.2	5.4	4.6	4.3	4.4	4.7	4.6	4.7	---	---	---
13	5.4	4.9	5.3	4.6	4.3	4.5	4.8	4.7	4.7	---	---	---
14	4.9	4.6	4.8	4.5	4.1	4.3	4.8	4.7	4.7	---	---	---
15	5.2	4.4	4.9	4.3	4.1	4.2	4.9	4.7	4.8	---	---	---
16	5.0	3.5	4.6	4.2	3.5	3.9	4.9	4.8	4.8	---	---	---
17	5.1	4.2	4.5	4.2	3.1	3.5	4.9	4.4	4.7	---	---	---
18	5.0	4.0	4.6	3.7	3.2	3.3	4.9	4.5	4.7	---	---	---
19	5.3	4.8	5.1	3.8	2.9	3.4	5.1	4.8	4.9	---	---	---
20	5.3	5.0	5.1	3.8	2.6	3.4	5.4	4.8	4.9	9.1	9.0	9.0
21	5.2	5.1	5.2	3.6	2.5	3.1	5.0	4.6	4.8	9.1	8.8	9.0
22	5.2	5.1	5.2	3.0	2.0	2.6	5.1	4.7	4.9	9.2	8.9	9.0
23	5.4	5.2	5.2	3.3	2.4	2.7	5.2	4.8	4.9	9.1	8.8	9.0
24	5.7	5.3	5.4	3.0	2.6	2.8	5.4	5.0	5.1	9.3	9.0	9.1
25	5.7	5.4	5.5	4.1	2.9	3.1	5.7	5.3	5.5	9.4	9.1	9.2
26	5.8	5.4	5.7	3.4	3.0	3.3	6.5	5.6	5.8	9.5	9.3	9.4
27	5.7	5.7	5.7	4.2	3.1	3.4	6.4	5.7	6.0	9.4	9.2	9.3
28	5.7	5.7	5.7	4.2	3.3	3.6	6.8	6.0	6.3	9.4	9.2	9.3
29	5.7	5.6	5.6	5.9	3.8	4.1	7.1	6.2	6.6	9.6	9.3	9.4
30	5.6	5.4	5.5	4.5	4.3	4.4	8.2	6.6	6.9	9.5	9.3	9.4
31	---	---	---	4.5	4.3	4.4	7.3	7.1	7.2	---	---	---
MONTH	5.9	3.5	5.2	5.9	2.0	4.1	8.2	3.0	5.1	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.2	9.8	10	10.8	10.2	10.5	10.8	10.3	10.6	10.6	10.1	10.4
2	9.9	9.8	9.8	10.7	10.4	10.6	10.8	10.6	10.7	10.9	9.5	10.7
3	9.9	9.8	9.9	10.4	10.0	10.3	10.8	10.4	10.5	11.1	10.4	11.0
4	9.9	9.8	9.8	10.6	10.2	10.3	10.7	10.4	10.6	11.1	10.6	10.8
5	9.8	9.7	9.8	10.6	10.2	10.3	10.7	10.4	10.6	10.8	8.5	10.4
6	9.9	9.7	9.8	10.6	10.2	10.3	10.6	10.4	10.6	10.7	9.0	10.2
7	9.8	9.8	9.8	10.4	10.1	10.2	10.6	10.2	10.4	10.8	8.9	10.2
8	9.8	9.7	9.8	10.3	10.1	10.1	10.6	10.2	10.4	10.9	10.3	10.6
9	9.8	9.7	9.8	10.3	9.9	10.1	10.7	10.4	10.6	11.8	10.2	11.0
10	9.8	9.5	9.7	10.4	10.0	10.1	10.7	9.8	10.2	12.4	11.2	11.8
11	9.7	9.5	9.6	10.4	10.2	10.3	10	9.5	9.7	12.4	11.2	12.1
12	9.7	9.5	9.6	10.7	10.2	10.4	9.9	9.5	9.7	12.4	11.7	12.3
13	9.8	9.5	9.7	10.8	9.7	10.2	9.8	9.3	9.5	12.4	10.6	12.0
14	9.7	9.7	9.7	10.3	9.8	10.1	9.8	9.3	9.6	12.4	9.5	11.0
15	10.0	9.5	9.6	10.3	10	10.1	9.8	7.0	8.6	9.9	8.6	9.6
16	9.7	9.5	9.5	10.2	10.0	10.1	10.0	9.5	9.8	9.8	7.6	8.9
17	9.8	9.5	9.6	10.6	10.0	10.3	10.0	9.7	9.9	8.8	7.3	8.0
18	9.8	9.5	9.6	11.1	10.4	10.8	10.1	9.8	10.0	8.7	7.8	8.1
19	9.7	9.6	9.6	11.5	11.1	11.2	10.4	8.5	10.0	9.2	8.0	8.7
20	9.7	9.5	9.6	11.7	11.1	11.5	9.4	8.3	8.6	9.2	7.9	8.6
21	9.7	9.3	9.6	11.8	11.2	11.5	9.0	8.2	8.7	9.2	8.2	9.0
22	9.7	9.3	9.4	12.2	11.6	11.9	9.4	8.8	9.0	9.7	8.3	9.2
23	9.9	9.3	9.6	12.4	11.6	12.2	9.5	8.5	8.9	8.5	8.0	8.3
24	9.7	9.5	9.7	12.5	11.4	12.2	9.4	8.1	8.6	8.5	8.2	8.4
25	10.1	9.7	10	12.5	10.7	11.5	8.5	7.3	8.0	8.7	8.0	8.4
26	10.1	9.5	9.9	11.4	10.8	11.0	8.2	7.2	7.8	9.3	8.3	8.8
27	10.5	10.0	10.3	11.1	10.7	10.9	8.1	7.3	7.7	9.3	8.1	8.6
28	11.0	10.4	10.7	10.9	10.7	10.8	9.7	8.1	8.8	8.8	8.1	8.6
29	11.2	10.7	11.1	10.8	10.7	10.7	9.8	8.7	9.5	9.7	8.0	8.6
30	11.0	10.2	10.7	10.8	10.7	10.8	9.9	8.4	9.4	9.8	8.3	9.3
31	10.7	10.0	10.3	---	---	---	10.4	9.6	10.1	8.5	8.1	8.3
MONTH	11.2	9.3	9.9	12.5	9.7	10.7	10.8	7.0	9.6	12.4	7.3	9.7
		FEBRUARY			MARCH			APRIL			MAY	
1	9.4	8.2	8.7	10.6	9.8	10.2	9.0	8.7	8.8	6.0	5.3	5.6
2	10.6	8.6	9.9	10.2	9.7	10	8.8	8.2	8.6	6.1	5.6	5.9
3	10.7	9.8	10.4	10.2	10	10.1	8.2	6.6	7.5	6.0	5.5	5.7
4	10.1	8.2	8.8	10.6	10.0	10.4	8.0	7.3	7.6	6.5	5.7	6.2
5	10.7	8.5	9.1	10.4	9.5	10	8.2	7.8	8.0	6.5	5.6	5.9
6	11.3	10.5	10.9	9.8	9.5	9.7	8.1	7.8	8.0	6.2	4.8	5.7
7	12.2	11.0	11.5	10.0	9.3	9.8	8.0	6.9	7.6	5.6	4.3	5.1
8	13.1	12.2	12.7	9.9	8.5	9.1	7.8	7.1	7.6	5.6	4.1	5.1
9	13.3	12.4	13.0	9.7	9.0	9.4	7.6	6.2	6.7	5.6	5.4	5.5
10	13.3	9.7	11.5	9.7	9.1	9.3	6.8	5.4	6.2	6.1	5.6	5.8
11	10.2	9.8	10.0	9.3	8.8	9.1	7.6	6.5	7.1	6.2	5.6	5.9
12	10.6	9.9	10.1	9.5	8.6	8.8	7.6	6.6	7.2	6.0	5.0	5.7
13	11.2	10.2	10.8	9.9	9.1	9.7	6.8	6.4	6.5	6.0	5.0	5.8
14	11.7	10.5	11.2	9.3	8.7	9.0	6.8	6.4	6.6	5.9	5.0	5.6
15	11.8	11.1	11.5	9.5	8.6	9.3	6.8	6.3	6.6	5.4	4.5	4.9
16	11.7	10.7	11.6	10.4	8.7	9.6	6.7	6.5	6.6	5.3	4.6	4.9
17	11.3	10	10.5	9.5	9.1	9.3	7.0	6.4	6.6	5.4	4.8	5.2
18	10.5	9.8	10.0	9.5	9.0	9.2	7.2	6.4	6.8	5.7	5.1	5.3
19	10.5	10.0	10.3	10.1	9.3	9.9	7.1	6.4	6.7	5.7	5.1	5.5
20	10.9	10.2	10.6	10.2	9.5	10.0	7.1	6.2	6.8	5.2	4.7	5.0
21	11.0	10.0	10.6	10.2	8.8	9.6	6.7	6.2	6.4	5.1	4.7	4.9
22	10.9	10.3	10.6	10.5	9.3	10.2	6.8	6.0	6.4	5.0	4.8	4.9
23	11.3	10.2	10.9	10.3	9.2	9.3	6.1	5.4	5.7	4.8	4.7	4.8
24	11.3	10	10.5	9.3	8.8	9.1	6.0	5.7	5.8	5.0	4.7	4.8
25	10.2	10	10.1	9.2	8.7	9.1	6.0	5.6	5.7	5.0	4.7	4.8
26	10.6	10.0	10.4	9.5	8.6	9.0	6.1	5.7	5.9	5.0	4.6	4.8
27	11.3	10.2	10.9	9.7	8.8	9.3	5.9	5.7	5.8	5.0	4.7	4.8
28	10.6	10.2	10.3	9.9	8.6	9.1	6.4	5.7	5.9	5.0	4.7	4.9
29	---	---	---	8.8	8.2	8.6	6.0	5.6	5.9	4.9	4.7	4.8
30	---	---	---	9.2	8.8	9.0	5.9	5.0	5.6	5.0	4.8	4.9
31	---	---	---	9.1	8.6	8.9	---	---	---	5.2	4.9	5.0
MONTH	13.3	8.2	10.6	10.6	8.2	9.5	9.0	5.0	6.8	6.5	4.1	5.3

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.4	5.1	5.5	5.6	5.4	5.5	7.0	5.8	6.5	7.9	7.2	7.4
2	6.3	5.5	5.7	5.6	5.4	5.5	7.0	6.2	6.8	8.6	7.4	8.1
3	5.8	5.4	5.7	5.6	5.4	5.5	7.4	6.5	7.0	8.3	7.3	7.8
4	6.0	5.5	5.7	5.9	5.2	5.5	8.0	7.0	7.4	8.5	7.5	7.7
5	6.5	5.7	6.3	6.0	5.1	5.8	8.5	7.8	8.2	7.6	7.5	7.5
6	6.5	6.3	6.5	5.7	4.8	5.1	8.4	7.0	7.9	8.1	7.5	7.8
7	6.6	5.9	6.4	5.4	5.0	5.3	8.3	6.5	7.7	8.1	7.8	8.0
8	6.5	5.8	6.3	5.4	4.3	4.8	8.3	7.4	7.9	8.5	8.0	8.1
9	6.5	6.0	6.3	5.3	4.8	5.1	8.3	7.0	8.0	9.0	8.4	8.7
10	6.5	6.0	6.3	5.2	4.6	4.9	7.9	7.1	7.6	9.0	8.6	8.7
11	6.4	5.9	6.2	5.1	4.5	4.8	7.8	6.3	7.0	---	---	---
12	6.4	5.7	6.2	4.8	4.6	4.7	7.7	5.9	6.9	---	---	---
13	6.1	5.4	5.8	4.7	4.4	4.5	7.7	6.0	7.0	---	---	---
14	6.1	5.1	5.5	4.5	4.3	4.5	7.7	6.1	7.1	---	---	---
15	5.4	5.0	5.2	4.4	4.2	4.3	7.5	5.3	6.3	---	---	---
16	5.3	4.5	5.1	4.3	4.0	4.2	7.3	5.7	6.5	---	---	---
17	5.4	4.7	5.1	4.2	3.7	4.0	6.9	4.6	5.5	---	---	---
18	6.5	5.3	5.7	4.3	3.7	4.0	6.7	4.7	6.1	---	---	---
19	6.7	4.8	6.0	4.0	3.7	3.9	7.1	6.1	6.7	---	---	---
20	5.3	5.1	5.2	3.9	3.5	3.7	7.6	6.5	7.0	9.8	9.2	9.6
21	5.3	5.1	5.2	3.9	3.5	3.7	7.6	6.8	7.2	9.7	9.0	9.4
22	5.2	5.1	5.2	3.9	2.8	3.6	7.2	5.0	6.2	10.3	9.5	9.9
23	6.0	5.2	5.4	4.3	3.5	3.8	8.1	5.9	7.0	10.3	9.4	9.9
24	7.1	5.6	6.5	5.5	4.1	4.6	9.1	6.4	7.9	10.2	9.3	9.7
25	6.9	6.3	6.7	6.1	5.3	5.7	10.6	8.6	9.4	10.2	9.6	9.9
26	6.8	5.5	6.0	6.7	5.2	5.8	11.3	9.9	10.6	10.4	9.4	9.9
27	5.8	5.7	5.7	7.3	6.0	6.7	11.5	10.8	11.2	9.5	9.2	9.4
28	5.7	5.7	5.7	7.6	5.9	6.8	11.3	10.6	11.1	9.7	9.3	9.5
29	5.7	5.6	5.6	7.7	5.5	7.3	11.2	10.0	10.9	9.7	9.4	9.5
30	5.6	5.5	5.6	7.4	5.6	7.1	11.1	10.4	10.9	9.5	9.3	9.4
31	---	---	---	7.3	6.2	6.9	10.9	7.1	9.8	---	---	---
MONTH	7.1	4.5	5.8	7.7	2.8	5.1	11.5	4.6	7.8	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.7	7.6	7.6	7.9	7.6	7.7	7.7	7.6	7.6	7.6	7.4	7.5
2	7.8	7.6	7.6	7.9	7.6	7.7	7.9	7.6	7.7	7.6	7.4	7.5
3	7.8	7.5	7.6	7.7	7.5	7.6	7.9	7.8	7.8	7.6	7.5	7.6
4	7.8	7.5	7.6	7.6	7.5	7.6	7.9	7.8	7.8	7.6	7.5	7.6
5	7.7	7.5	7.6	7.7	7.5	7.6	8.0	7.8	7.9	7.7	7.6	7.6
6	7.8	7.6	7.7	7.7	7.6	7.7	7.9	7.8	7.9	7.7	7.5	7.6
7	7.9	7.6	7.7	7.8	7.6	7.6	7.9	7.8	7.9	7.6	7.4	7.5
8	8.0	7.7	7.8	7.7	7.6	7.7	7.9	7.8	7.8	7.6	7.4	7.5
9	7.9	7.7	7.8	7.7	7.6	7.7	7.9	7.7	7.8	7.5	7.4	7.4
10	7.9	7.7	7.8	7.7	7.6	7.7	7.8	7.6	7.7	7.6	7.4	7.5
11	7.7	7.5	7.6	7.7	7.6	7.7	7.7	7.7	7.7	7.7	7.5	7.6
12	7.8	7.5	7.6	7.7	7.6	7.7	7.8	7.6	7.7	7.9	7.5	7.7
13	7.7	7.5	7.6	7.7	7.6	7.6	7.8	7.7	7.8	7.8	7.3	7.6
14	7.6	7.5	7.6	7.7	7.6	7.7	7.8	7.3	7.6	7.5	7.3	7.4
15	7.6	7.5	7.5	7.7	7.6	7.7	7.4	7.2	7.3	7.5	7.3	7.4
16	7.6	7.5	7.6	7.7	7.6	7.7	7.7	7.1	7.4	7.4	7.2	7.4
17	7.7	7.6	7.6	7.8	7.6	7.7	7.7	7.3	7.5	7.4	7.2	7.3
18	7.8	7.6	7.7	7.8	7.6	7.7	7.7	7.6	7.6	7.5	7.4	7.4
19	7.8	7.6	7.7	7.7	7.6	7.7	7.8	7.6	7.7	7.4	7.4	7.4
20	7.7	7.5	7.6	7.7	7.6	7.7	7.7	7.6	7.7	7.5	7.4	7.5
21	7.7	7.5	7.6	7.7	7.6	7.6	7.7	7.6	7.7	7.4	7.3	7.3
22	7.6	7.6	7.6	7.7	7.6	7.6	7.7	7.6	7.7	7.4	7.3	7.4
23	7.8	7.6	7.7	7.7	7.6	7.7	7.7	7.6	7.7	7.4	7.3	7.4
24	7.7	7.7	7.7	7.7	7.5	7.6	7.6	7.4	7.6	7.4	7.2	7.3
25	7.7	7.6	7.7	7.6	7.4	7.6	7.5	7.3	7.3	7.4	7.2	7.3
26	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.3	7.4	7.5	7.3	7.4
27	7.9	7.7	7.8	7.7	7.6	7.7	7.5	7.4	7.4	7.6	7.5	7.5
28	7.9	7.7	7.8	7.7	7.6	7.7	7.5	7.4	7.4	7.6	7.5	7.6
29	7.8	7.7	7.7	7.7	7.6	7.7	7.5	7.4	7.5	7.6	7.4	7.5
30	7.8	7.7	7.8	7.7	7.6	7.7	7.5	7.4	7.5	7.6	7.5	7.6
31	7.8	7.6	7.7	---	---	---	7.6	7.4	7.5	7.6	7.5	7.6
MONTH	8.0	7.5	7.7	7.9	7.4	7.7	8.0	7.1	7.6	7.9	7.2	7.5
		FEBRUARY			MARCH			APRIL			MAY	
1	7.6	7.5	7.5	7.8	7.7	7.8	8.1	7.5	7.6	7.4	7.3	7.4
2	7.6	7.5	7.6	7.7	7.7	7.7	7.6	7.4	7.5	7.7	7.4	7.4
3	7.6	7.6	7.6	7.8	7.7	7.7	7.5	7.2	7.3	7.6	7.3	7.4
4	7.6	7.5	7.6	7.8	7.7	7.8	7.5	7.3	7.4	7.7	7.3	7.5
5	7.7	7.5	7.6	7.8	7.7	7.8	7.8	7.1	7.4	7.6	7.3	7.5
6	7.8	7.7	7.7	7.8	7.6	7.7	7.9	7.3	7.5	7.5	7.2	7.4
7	7.9	7.7	7.8	7.8	7.6	7.7	7.8	7.3	7.6	7.5	7.2	7.4
8	7.8	7.7	7.8	7.7	7.6	7.6	7.7	7.4	7.5	7.4	7.0	7.2
9	7.9	7.6	7.7	7.8	7.6	7.7	7.4	7.3	7.4	7.3	6.9	7.1
10	8.0	7.8	7.9	7.9	7.7	7.8	7.6	7.2	7.3	7.1	6.9	7.0
11	7.9	7.8	7.8	8.0	7.8	7.9	7.6	7.3	7.5	7.4	6.8	7.1
12	7.8	7.8	7.8	7.8	7.7	7.8	7.6	7.5	7.5	7.3	7.0	7.2
13	7.8	7.8	7.8	8.0	7.7	7.8	7.6	7.5	7.5	7.3	7.1	7.2
14	7.9	7.8	7.8	7.9	7.6	7.8	7.7	7.5	7.6	7.2	6.9	7.0
15	7.9	7.7	7.8	7.9	7.7	7.8	7.7	7.5	7.6	7.1	6.9	7.0
16	7.9	7.7	7.8	7.8	7.7	7.8	7.7	7.6	7.6	7.0	6.9	7.0
17	7.9	7.8	7.8	7.8	7.7	7.7	7.8	7.6	7.6	7.1	6.9	7.0
18	7.9	7.8	7.8	7.8	7.7	7.8	8.0	7.6	7.8	7.4	7.0	7.2
19	7.9	7.7	7.8	7.8	7.7	7.8	8.2	7.8	8.0	7.4	7.2	7.3
20	7.9	7.7	7.8	7.9	7.7	7.7	8.6	8.0	8.2	7.3	7.2	7.3
21	7.8	7.7	7.8	7.9	7.7	7.8	8.1	7.9	7.9	7.5	7.3	7.4
22	7.8	7.7	7.8	7.9	7.7	7.8	8.2	7.3	7.8	7.6	7.4	7.4
23	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.3	7.5	7.5	7.3	7.4
24	7.8	7.6	7.7	7.7	7.6	7.7	7.6	7.5	7.6	7.5	7.3	7.4
25	7.7	7.6	7.7	7.8	7.6	7.7	7.7	7.5	7.6	7.5	7.3	7.4
26	7.8	7.6	7.7	7.8	7.6	7.7	7.7	7.5	7.6	7.5	7.3	7.4
27	7.9	7.8	7.9	7.8	7.6	7.7	7.8	7.6	7.6	7.7	7.3	7.5
28	7.9	7.8	7.8	7.7	7.6	7.7	7.8	7.5	7.6	7.6	7.3	7.4
29	---	---	---	7.7	7.5	7.6	7.8	7.4	7.6	7.8	7.3	7.5
30	---	---	---	7.9	7.5	7.6	7.6	7.3	7.4	7.6	7.3	7.4
31	---	---	---	7.7	7.5	7.6	---	---	---	7.5	7.2	7.4
MONTH	8.0	7.5	7.8	8.0	7.5	7.7	8.6	7.1	7.6	7.8	6.8	7.3

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	7.3	7.3	7.8	7.3	7.5	7.2	6.8	7.0	8.0	7.6	7.8
2	7.5	7.3	7.4	7.6	7.4	7.5	7.0	6.8	6.9	8.4	7.5	7.9
3	7.6	7.2	7.3	7.5	7.3	7.3	7.0	6.7	6.8	8.3	7.8	8.0
4	7.6	7.1	7.3	7.4	7.2	7.3	6.8	6.6	6.7	7.8	7.5	7.7
5	7.3	6.9	7.1	7.3	7.1	7.2	7.0	6.8	6.8	7.9	7.5	7.7
6	7.2	7.0	7.0	7.4	7.1	7.2	7.2	6.8	6.9	7.8	7.5	7.7
7	7.1	6.8	7.0	7.7	7.2	7.4	7.2	6.9	7.0	7.7	7.5	7.6
8	7.3	7.0	7.1	7.2	7.1	7.2	7.2	7.0	7.1	7.8	7.4	7.6
9	7.2	7.0	7.1	7.4	7.1	7.2	7.3	7.0	7.1	7.8	7.5	7.6
10	7.3	7.0	7.2	7.6	7.1	7.3	7.1	6.6	6.8	7.6	7.4	7.5
11	7.3	7.1	7.2	7.8	7.2	7.4	7.0	6.8	6.9	---	---	---
12	7.3	7.1	7.2	7.3	7.1	7.2	7.0	6.8	6.9	---	---	---
13	7.5	7.2	7.3	7.2	7.1	7.1	7.2	6.8	7.0	---	---	---
14	7.3	7.2	7.2	7.1	7.0	7.0	7.2	7.0	7.0	---	---	---
15	7.3	7.0	7.2	7.0	7.0	7.0	7.3	7.0	7.1	---	---	---
16	7.2	6.9	7.1	7.3	6.9	7.1	7.2	7.0	7.2	---	---	---
17	7.1	7.0	7.0	7.2	6.9	7.0	7.2	7.0	7.1	---	---	---
18	7.0	6.9	7.0	7.2	7.0	7.0	7.1	7.0	7.1	---	---	---
19	7.1	7.0	7.0	7.2	7.0	7.1	7.3	7.1	7.1	---	---	---
20	7.3	7.0	7.2	7.2	7.0	7.1	7.4	7.0	7.1	8.0	7.4	7.7
21	7.4	7.2	7.3	7.2	6.9	7.0	7.4	7.0	7.2	7.7	7.4	7.6
22	7.5	7.2	7.3	7.0	6.8	7.0	7.5	7.2	7.3	7.6	7.4	7.5
23	7.6	7.3	7.5	7.0	6.9	7.0	7.7	7.1	7.4	8.0	7.1	7.5
24	7.8	7.3	7.5	7.0	6.9	7.0	7.2	7.1	7.2	7.8	7.5	7.6
25	7.6	7.3	7.4	7.1	6.9	7.0	7.3	7.2	7.2	7.7	7.3	7.5
26	7.5	7.3	7.4	7.2	7.0	7.1	7.4	7.2	7.2	7.6	7.4	7.5
27	7.7	7.3	7.4	7.1	6.8	7.0	7.4	7.2	7.3	7.6	7.3	7.4
28	7.4	7.3	7.3	7.1	6.9	7.1	7.4	7.2	7.3	7.5	7.3	7.4
29	7.4	7.2	7.3	7.2	7.0	7.1	7.6	7.2	7.4	7.7	7.2	7.5
30	7.7	7.2	7.3	7.2	7.1	7.2	8.3	6.9	7.5	7.6	7.5	7.6
31	---	---	---	7.2	7.1	7.2	7.9	7.5	7.7	---	---	---
MONTH	7.8	6.8	7.2	7.8	6.8	7.2	8.3	6.6	7.1	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	7.0	7.3	7.3	7.0	7.1	6.9	6.8	6.8	7.8	7.2	7.6
2	7.4	7.0	7.3	7.4	6.9	7.1	6.9	6.8	6.8	7.5	7.0	7.1
3	7.4	7.0	7.2	7.4	6.9	7.1	7.0	6.8	6.9	7.8	7.0	7.3
4	7.2	6.9	7.0	7.2	7.0	7.1	7.0	7.0	7.0	7.8	7.0	7.5
5	7.0	6.9	7.0	7.2	7.0	7.0	7.1	7.0	7.0	7.9	7.5	7.7
6	7.0	6.8	6.9	7.4	6.9	7.1	7.1	7.0	7.0	7.9	7.6	7.7
7	6.9	6.7	6.8	7.1	6.8	6.9	7.1	7.0	7.0	7.8	7.6	7.7
8	6.8	6.7	6.8	7.3	6.9	7.2	7.1	7.0	7.0	7.7	7.4	7.5
9	6.7	6.7	6.7	7.3	7.0	7.1	7.1	6.9	7.1	7.5	7.3	7.3
10	6.9	6.7	6.7	7.2	6.9	7.0	7.1	6.9	7.0	7.6	7.3	7.5
11	6.8	6.7	6.8	7.2	6.8	7.0	7.1	6.9	6.9	---	---	---
12	7.0	6.7	6.7	7.3	6.8	7.0	7.1	6.8	7.0	---	---	---
13	7.2	6.7	6.9	7.2	7.1	7.2	7.2	6.8	7.0	---	---	---
14	7.2	6.7	7.0	7.2	7.0	7.1	7.2	6.9	7.0	---	---	---
15	7.3	6.9	7.1	7.1	7.1	7.1	7.2	6.8	6.9	---	---	---
16	7.3	6.9	7.1	7.1	7.0	7.1	7.1	6.9	7.0	---	---	---
17	7.3	7.0	7.2	7.2	6.8	7.1	7.2	6.8	7.0	---	---	---
18	7.2	7.0	7.1	7.3	6.8	7.1	7.0	6.8	6.9	---	---	---
19	7.3	7.0	7.1	7.3	7.1	7.2	7.0	6.9	6.9	---	---	---
20	7.4	7.2	7.3	7.3	7.1	7.1	6.9	6.8	6.9	7.4	7.2	7.3
21	7.4	7.2	7.3	7.2	6.9	7.1	6.9	6.9	6.9	7.8	7.1	7.3
22	7.4	7.2	7.3	7.2	6.8	7.0	7.1	6.8	6.9	7.5	7.2	7.2
23	7.3	7.1	7.2	7.1	6.9	7.0	7.0	6.8	6.9	7.3	7.1	7.2
24	7.3	7.0	7.1	7.1	7.0	7.0	7.1	6.9	7.0	7.6	7.1	7.2
25	7.1	6.9	7.0	7.1	7.0	7.0	7.1	7.0	7.1	7.7	7.2	7.4
26	7.4	6.9	7.2	7.0	6.9	6.9	7.2	7.1	7.1	7.8	7.3	7.4
27	7.4	7.0	7.2	6.9	6.8	6.8	7.2	7.1	7.2	7.7	7.5	7.6
28	7.4	7.1	7.3	6.9	6.8	6.8	7.2	7.1	7.2	7.7	7.5	7.6
29	7.3	7.1	7.3	6.9	6.8	6.8	7.2	7.0	7.2	7.6	7.3	7.5
30	7.3	7.1	7.2	6.9	6.8	6.8	7.2	7.2	7.2	7.6	7.5	7.6
31	---	---	---	6.8	6.8	6.8	7.9	7.1	7.3	---	---	---
MONTH	7.4	6.7	7.1	7.4	6.8	7.0	7.9	6.8	7.0	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.2	23.6	23.9	19.5	18.4	18.8	13.0	12.4	12.7	5.3	4.5	4.7
2	24.7	23.7	24.1	19.9	18.6	19.1	13.0	12.1	12.4	6.2	4.6	5.0
3	25.1	24.0	24.3	20.0	19.2	19.6	12.4	11.6	12.0	6.4	5.0	5.3
4	24.6	23.9	24.1	19.2	18.8	19.0	12.0	11.4	11.7	8.5	5.4	7.1
5	24.2	23.4	23.8	19.1	18.3	18.7	11.5	10.8	11.1	10.1	7.7	9.1
6	23.4	22.2	22.7	18.3	17.3	17.9	11.5	11.1	11.3	10.3	9.4	9.9
7	22.2	21.7	22.0	17.4	16.7	17.1	12.4	11.3	11.9	11.3	10.2	10.7
8	22.4	21.3	21.7	17.0	16.2	16.8	13.3	12.4	12.8	11.7	10.6	11.0
9	22.0	21.3	21.6	16.2	14.9	15.5	13.8	12.7	13.2	11.6	10.9	11.2
10	22.4	21.7	22.0	14.9	14.0	14.4	14.5	13.3	13.9	11.4	10.8	11.1
11	22.2	20.8	21.5	15.0	13.8	14.1	14.6	13.8	14.3	11.3	10.7	11.0
12	21.5	20.7	21.0	14.9	14.0	14.6	13.8	12.7	13.2	12.1	10.6	11.3
13	21.3	20.8	21.0	14.9	13.7	14.4	12.7	11.7	12.2	12.5	11.2	11.8
14	21.1	20.7	20.9	13.8	12.5	13.0	11.7	9.7	10.7	12.9	11.7	12.3
15	20.7	19.8	20.4	12.5	11.8	12.1	9.7	7.4	8.6	12.2	10.6	11.2
16	19.8	18.8	19.2	12.0	10.9	11.6	9.3	7.7	8.6	10.6	9.3	9.9
17	18.8	18.2	18.5	12.3	11.0	11.5	9.3	7.0	8.1	9.4	7.6	8.4
18	18.7	18.0	18.4	12.0	11.4	11.8	8.8	8.1	8.4	7.6	4.8	6.5
19	19.6	18.4	19.0	11.9	11.5	11.7	8.9	8.2	8.4	5.5	4.3	4.9
20	19.8	19.3	19.6	12.7	11.4	12.0	8.3	6.0	7.0	5.1	4.4	4.7
21	19.8	19.5	19.6	13.1	12.4	12.7	6.0	4.8	5.5	5.2	4.3	4.6
22	19.5	18.5	19.0	13.5	12.8	13.0	6.1	5.0	5.6	4.3	3.8	4.1
23	18.5	17.4	18.1	13.8	13.0	13.5	7.2	5.9	6.4	4.3	2.7	3.6
24	17.6	16.9	17.3	14.3	13.7	14.0	7.3	6.7	7.0	2.7	1.7	2.2
25	17.0	16.1	16.7	15.1	14.1	14.7	6.7	5.8	6.3	3.6	1.8	2.2
26	16.9	15.5	16.3	14.4	13.1	13.7	5.8	4.6	5.4	3.0	2.1	2.5
27	17.0	15.9	16.4	13.1	12.4	12.8	4.7	3.4	4.3	3.2	2.6	2.9
28	17.2	16.3	16.7	13.3	12.7	13.0	4.2	3.3	3.6	2.6	2.0	2.3
29	16.7	16.3	16.5	13.0	12.5	12.7	4.2	3.4	3.8	2.5	1.6	2.0
30	17.7	16.6	17.1	13.0	12.3	12.7	4.5	4.0	4.2	2.8	2.2	2.5
31	18.9	17.5	18.1	---	---	---	5.0	4.3	4.6	3.2	2.6	2.9
MONTH	25.1	15.5	20.0	20.0	10.9	14.6	14.6	3.3	9.0	12.9	1.6	6.7
		FEBRUARY			MARCH			APRIL			MAY	
1	3.4	2.9	3.2	8.6	7.8	8.2	16.9	14.7	15.3	18.8	18.3	18.5
2	3.7	3.0	3.3	8.0	7.0	7.4	16.1	15.4	15.8	19.7	18.2	18.7
3	3.7	3.4	3.6	7.1	6.6	6.9	15.6	14.2	14.7	19.3	18.0	18.5
4	4.1	3.6	3.8	7.2	5.2	6.6	15.1	13.9	14.4	19.2	17.6	18.4
5	4.5	3.6	4.0	8.1	6.7	7.3	16.7	14.7	15.3	18.7	18.0	18.4
6	5.1	3.9	4.4	8.3	7.1	7.7	17.2	15.5	16.0	18.0	15.5	16.8
7	5.5	4.6	4.9	9.0	7.7	8.3	17.5	16.2	17.0	16.3	14.5	15.5
8	5.8	4.8	5.0	9.9	8.8	9.4	18.3	17.3	17.7	16.9	15.3	16.1
9	6.7	4.8	5.2	9.0	8.2	8.6	17.8	16.2	17.0	18.5	16.7	17.2
10	7.6	6.5	7.1	9.0	8.0	8.4	16.2	15.3	15.8	18.2	17.2	17.7
11	7.1	6.4	6.7	9.4	8.4	8.9	16.7	15.4	16.0	20.4	17.6	18.1
12	6.5	5.9	6.3	9.2	8.5	9.0	16.2	15.3	15.7	21.2	18.8	19.9
13	6.9	5.9	6.5	10.8	8.7	9.5	15.3	14.3	14.8	21.1	19.4	19.9
14	7.4	6.8	7.0	9.9	9.4	9.6	14.3	13.7	13.9	20.3	19.0	19.6
15	8.8	7.2	7.6	10.2	8.8	9.6	13.8	12.1	12.9	21.2	19.8	20.5
16	9.5	7.3	8.3	10.0	8.9	9.5	12.1	11.4	11.7	21.8	21.1	21.4
17	9.9	8.9	9.3	8.9	7.7	8.4	12.7	10.8	11.6	21.8	20.5	21.2
18	9.7	8.3	8.9	8.6	7.5	8.1	13.9	11.8	12.5	22.3	20.8	21.2
19	9.1	8.0	8.4	9.0	7.9	8.5	15.7	13.2	14.4	21.4	20.9	21.1
20	8.8	7.8	8.3	10.3	8.8	9.1	18.3	15.1	15.8	21.4	20.8	21.1
21	9.2	8.5	8.8	10.9	9.6	10.0	17.8	15.8	16.9	21.1	20.0	20.6
22	9.6	8.9	9.3	11.1	9.6	10.4	18.2	16.6	17.3	21.2	20.1	20.7
23	9.9	9.0	9.4	12.1	10.7	11.2	18.7	17.8	18.2	21.8	20.5	21.1
24	9.3	8.9	9.1	13.0	11.9	12.4	18.2	15.9	17.2	21.6	21.0	21.2
25	8.9	7.8	8.4	12.8	12.2	12.5	16.0	15.6	15.8	21.2	19.4	20.3
26	8.8	7.6	8.1	13.0	12.1	12.5	16.0	15.4	15.7	20.5	19.2	19.8
27	8.4	7.9	8.2	12.9	12.5	12.7	17.1	15.9	16.3	21.6	20.0	20.7
28	8.4	7.8	8.1	13.8	12.8	13.3	18.1	15.9	16.7	22.4	21.1	21.7
29	---	---	---	14.2	13.3	13.7	17.6	16.6	17.0	23.7	22.2	22.8
30	---	---	---	15.3	13.8	14.3	18.5	16.9	17.5	23.4	22.8	23.1
31	---	---	---	15.1	14.0	14.5	---	---	---	23.4	22.7	22.9
MONTH	9.9	2.9	6.8	15.3	5.2	9.9	18.7	10.8	15.6	23.7	14.5	19.8

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.8	22.0	22.4	29.6	27.4	28.2	28.6	27.8	28.1	29.2	28.6	28.9
2	22.0	21.1	21.5	29.3	28.6	28.9	28.6	27.5	28.0	30.3	28.2	28.9
3	22.9	21.3	21.7	29.1	28.2	28.6	29.2	27.5	28.3	29.7	28.7	29.2
4	22.8	22.1	22.4	29.2	27.8	28.2	29.0	28.0	28.4	28.8	27.7	28.2
5	23.9	22.0	22.8	28.8	27.8	28.3	29.8	28.6	28.9	27.7	26.8	27.2
6	24.9	23.2	24.0	30.1	28.4	29.0	30.8	28.3	29.2	26.8	25.8	26.3
7	26.2	24.3	24.7	31.2	29.6	30.1	30.1	29.0	29.5	26.1	25.5	25.8
8	27.4	25.1	26.2	29.8	29.0	29.5	29.6	28.6	29.1	26.0	25.2	25.5
9	26.4	25.2	25.7	30.7	29.2	29.7	30.0	28.6	28.9	26.3	25.1	25.5
10	27.0	25.0	25.9	31.0	29.4	29.8	29.1	28.1	28.5	25.6	24.9	25.3
11	27.0	25.6	26.3	31.4	29.6	30.3	30.1	28.8	29.2	---	---	---
12	27.3	25.9	26.6	30.5	30.1	30.3	30.7	29.5	29.9	---	---	---
13	28.6	26.4	27.2	30.2	28.8	29.5	32.2	29.9	30.4	---	---	---
14	29.0	27.4	28.2	29.4	28.5	28.7	31.9	30.3	31.0	---	---	---
15	30.1	28.5	29.2	29.2	28.1	28.5	31.9	30.6	31.2	---	---	---
16	30.3	29.0	29.5	30.6	28.3	29.0	31.6	30.4	31.1	---	---	---
17	29.5	28.6	28.9	30.4	29.3	29.7	30.9	30.0	30.4	---	---	---
18	28.7	27.5	28.2	30.8	29.6	30.1	30.5	29.4	29.7	---	---	---
19	27.5	26.7	27.1	30.8	30.0	30.4	30.4	28.9	29.4	---	---	---
20	26.7	25.4	25.9	31.4	29.9	30.6	31.2	29.0	29.6	28.0	26.5	27.0
21	25.9	24.7	25.3	31.4	30.2	30.7	31.4	29.3	30.2	27.3	26.6	27.0
22	26.4	24.8	25.6	31.7	30.5	31.0	31.3	30.4	30.7	26.9	26.2	26.6
23	27.2	25.9	26.4	31.7	30.4	30.9	31.1	30.2	30.8	28.2	26.0	26.6
24	27.4	26.0	26.5	31.1	30.0	30.5	30.2	29.2	29.7	27.6	26.8	27.2
25	26.8	26.1	26.4	31.4	29.7	30.2	29.2	28.2	28.7	27.2	26.6	26.8
26	26.5	26.1	26.3	32.0	30.1	30.4	28.2	27.4	27.8	27.0	26.1	26.6
27	27.6	26.1	26.6	32.1	30.4	31.0	27.8	27.1	27.5	27.2	26.5	26.7
28	27.6	26.8	27.2	31.9	30.6	31.3	28.1	27.0	27.5	26.7	25.9	26.3
29	27.2	26.6	27.0	31.2	29.6	30.3	28.6	27.4	28.0	26.4	25.6	25.9
30	28.9	26.4	27.0	29.6	29.0	29.2	29.7	27.8	28.3	26.1	24.8	25.3
31	---	---	---	29.1	28.4	28.7	29.7	28.5	29.0	---	---	---
MONTH	30.3	21.1	26.0	32.1	27.4	29.7	32.2	27.0	29.3	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.1	23.6	23.8	18.0	17.5	17.7	13.0	12.6	12.7	5.0	4.7	4.8
2	24.2	23.7	23.9	18.4	17.8	18.0	12.8	11.9	12.3	5.1	4.9	5.0
3	24.3	23.9	24.1	19.8	18.2	19.0	12.2	11.6	11.9	5.3	5.0	5.2
4	24.2	23.8	24.0	19.2	18.8	19.0	12.0	11.1	11.8	5.6	5.2	5.4
5	24.1	23.4	23.8	19.1	18.1	18.5	11.9	11.2	11.7	6.6	5.5	5.7
6	23.4	22.2	22.7	18.4	17.2	17.7	11.8	11.5	11.6	9.2	6.0	6.6
7	22.2	21.7	21.8	17.4	16.9	17.1	12.4	11.6	11.9	9.4	6.7	7.7
8	21.7	21.2	21.4	17.0	16.3	16.8	12.9	12.3	12.7	9.2	7.0	7.7
9	21.6	21.1	21.3	16.3	15.0	15.6	13.2	12.7	12.8	9.0	7.9	8.4
10	22.3	21.3	21.7	15.0	14.0	14.5	14.4	12.9	13.7	9.1	8.3	8.6
11	22.1	21.1	21.4	14.4	13.9	14.1	14.6	13.7	14.3	9.0	8.5	8.7
12	21.4	20.7	21.0	14.8	14.1	14.6	13.7	12.6	13.1	9.1	8.6	8.8
13	21.2	20.7	21.0	14.9	13.8	14.4	12.6	11.7	12.2	11.2	8.9	9.3
14	21.0	20.7	20.9	13.8	12.7	13.1	11.8	10.0	10.9	12.6	9.0	10.9
15	20.9	19.8	20.4	12.9	11.9	12.2	10.9	8.7	9.7	11.8	10.6	11.2
16	19.8	18.8	19.2	12.2	11.5	11.7	9.7	9.1	9.5	10.6	9.5	9.9
17	18.8	18.2	18.4	12.5	11.4	11.8	9.7	8.7	9.1	9.5	7.4	8.4
18	18.5	18.0	18.2	12.0	11.8	11.9	9.2	8.4	8.8	7.6	5.4	6.4
19	19.5	18.4	18.9	12.3	12.0	12.2	8.9	8.4	8.7	6.2	4.9	5.8
20	19.8	19.2	19.6	12.6	12.2	12.4	8.8	6.1	7.0	5.0	4.1	4.6
21	19.7	19.4	19.6	12.8	12.5	12.6	6.2	5.1	5.7	5.0	4.3	4.8
22	19.6	18.5	19.0	13.0	12.7	12.9	6.1	5.2	5.6	5.3	4.3	5.0
23	18.5	17.7	18.1	13.3	13.0	13.1	6.9	5.8	6.3	4.4	2.7	3.6
24	17.9	16.9	17.3	13.8	13.2	13.3	7.2	6.7	7.0	2.7	1.7	2.2
25	17.6	16.7	17.1	15.0	13.4	14.3	6.8	5.8	6.3	2.8	1.3	2.1
26	16.8	15.6	16.4	14.4	11.9	13.3	5.8	5.0	5.4	3.2	2.4	2.7
27	16.7	16.4	16.6	13.0	12.0	12.6	5.1	3.4	4.4	3.8	2.7	3.2
28	16.8	16.6	16.7	13.3	12.6	13.0	4.7	4.2	4.4	2.7	2.0	2.3
29	16.9	16.7	16.8	13.0	12.5	12.8	4.9	4.3	4.6	2.6	1.7	2.0
30	17.6	16.7	16.9	12.8	12.5	12.6	4.9	4.5	4.7	2.8	2.3	2.5
31	17.9	17.0	17.4	---	---	---	4.8	4.6	4.7	3.3	2.6	3.0
MONTH	24.3	15.6	20.0	19.8	11.4	14.4	14.6	3.4	9.2	12.6	1.3	5.9
		FEBRUARY			MARCH			APRIL			MAY	
1	3.4	3.0	3.2	8.6	7.8	8.3	15.7	14.6	15.0	18.3	17.8	18.1
2	3.5	3.0	3.3	8.0	7.1	7.4	16.2	15.3	15.8	18.6	17.8	18.1
3	3.6	3.2	3.4	7.2	6.6	6.9	15.7	14.3	14.8	18.3	17.5	18.0
4	4.1	3.6	3.8	7.1	6.5	6.8	15.2	14.0	14.4	18.9	17.8	18.3
5	4.5	3.6	4.0	8.2	6.8	7.2	15.2	14.4	15.0	18.7	18.0	18.3
6	4.5	4.1	4.3	8.2	7.1	7.6	15.0	14.8	14.9	18.0	15.5	16.8
7	4.7	4.4	4.5	8.8	7.6	8.3	17.4	14.9	15.9	16.2	14.1	15.4
8	4.7	4.6	4.6	9.9	8.8	9.4	17.3	16.6	16.8	16.9	15.6	16.2
9	4.8	4.6	4.7	9.0	7.1	8.2	17.3	16.2	17.0	17.1	16.7	16.9
10	7.6	4.7	6.0	9.3	7.6	8.4	16.2	15.4	15.8	17.3	16.7	16.9
11	7.1	6.5	6.7	9.5	8.6	9.0	16.5	16.0	16.1	17.1	16.7	16.9
12	6.6	5.6	6.2	9.5	8.6	9.1	16.1	15.5	15.9	18.0	16.8	17.0
13	6.6	6.2	6.5	10.1	9.2	9.4	15.5	14.2	14.8	18.9	17.1	17.8
14	7.0	6.3	6.5	9.9	9.5	9.7	14.2	13.6	13.9	18.8	18.3	18.6
15	6.8	6.4	6.6	10.0	9.4	9.7	13.8	12.1	12.9	20.8	18.3	19.2
16	8.5	6.5	6.8	9.9	9.0	9.6	12.1	11.4	11.7	20.8	19.8	20.4
17	9.4	7.7	8.7	9.0	7.8	8.5	11.8	11.0	11.4	20.8	19.8	20.4
18	9.4	8.5	9.0	8.6	7.7	8.1	12.3	11.7	11.9	21.1	20.5	20.7
19	9.1	8.1	8.5	8.8	8.0	8.4	13.2	11.8	12.2	21.2	20.7	20.8
20	8.3	7.9	8.1	8.7	8.4	8.5	13.2	11.9	12.3	21.4	20.8	21.1
21	9.0	7.8	8.3	9.6	8.5	8.9	14.9	12.2	13.5	21.1	20.0	20.5
22	9.2	8.7	8.9	9.8	8.6	9.1	17.6	13.4	15.6	21.2	20.1	20.7
23	9.2	8.7	9.0	11.8	9.6	11.1	18.5	17.1	18.0	21.5	20.4	20.8
24	9.2	9.0	9.2	12.5	11.6	12.0	18.1	15.7	17.0	21.4	20.9	21.1
25	9.0	8.1	8.6	12.6	12.0	12.3	15.9	15.4	15.6	21.2	19.4	20.3
26	8.5	8.1	8.4	12.7	12.2	12.3	15.8	15.4	15.6	20.5	19.1	19.7
27	8.5	8.0	8.3	12.7	12.3	12.5	16.5	15.7	15.9	21.4	20.0	20.2
28	8.5	7.9	8.2	13.8	12.4	13.2	16.3	15.6	15.8	22.1	20.7	21.2
29	---	---	---	14.2	13.3	13.7	17.1	15.8	16.4	23.3	21.6	21.9
30	---	---	---	14.4	13.9	14.1	18.3	16.7	17.3	23.2	22.1	22.8
31	---	---	---	15.1	14.0	14.5	---	---	---	23.1	22.6	22.8
MONTH	9.4	3.0	6.6	15.1	6.5	9.7	18.5	11.0	15.0	23.3	14.1	19.3

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.8	22.0	22.3	27.6	26.0	26.5	29.4	28.5	29.1	29.3	28.2	28.7
2	22.0	21.1	21.4	28.6	26.5	27.2	29.1	28.9	29.0	28.6	28.3	28.5
3	21.4	21.1	21.2	28.6	26.6	27.4	29.0	28.8	29.0	29.2	28.4	28.6
4	21.7	21.1	21.3	27.9	27.4	27.7	29.0	28.9	28.9	28.6	27.7	28.2
5	21.6	21.2	21.3	28.5	27.6	27.8	28.9	28.8	28.9	27.7	26.8	27.2
6	21.7	21.4	21.5	29.8	27.8	28.3	28.9	28.4	28.7	26.8	25.8	26.3
7	22.3	21.4	21.5	29.4	27.7	28.2	28.8	28.6	28.7	26.1	25.6	25.8
8	22.4	21.4	21.9	29.8	28.3	29.4	28.8	28.6	28.8	25.8	25.2	25.5
9	22.4	21.5	21.8	29.8	29.2	29.5	28.9	28.5	28.7	25.7	25.3	25.5
10	24.2	21.6	22.3	29.4	29.0	29.3	28.7	28.4	28.6	25.6	24.9	25.3
11	24.2	22.4	23.2	29.9	28.7	29.3	28.6	28.3	28.5	---	---	---
12	26.2	22.5	23.3	30.1	29.1	29.7	28.7	28.3	28.5	---	---	---
13	26.2	23.2	24.9	30.0	28.8	29.4	28.8	28.2	28.5	---	---	---
14	27.4	23.3	25.7	28.9	28.5	28.6	28.8	28.2	28.5	---	---	---
15	28.7	26.4	27.6	28.8	28.1	28.4	30.0	28.2	28.9	---	---	---
16	29.7	26.6	28.4	29.1	28.2	28.4	29.6	28.5	28.9	---	---	---
17	29.0	28.1	28.5	29.7	28.6	29.0	30.4	28.7	29.6	---	---	---
18	28.3	27.4	27.8	30.7	28.8	29.8	29.5	28.7	29.1	---	---	---
19	27.4	26.7	27.2	30.7	29.7	30.1	29.6	29.2	29.4	---	---	---
20	26.7	25.4	25.9	31.2	29.9	30.4	29.4	29.2	29.4	26.4	25.8	26.0
21	25.4	24.4	24.8	30.9	30.1	30.4	29.4	29.2	29.3	27.0	25.9	26.3
22	25.9	24.8	25.2	30.8	30.1	30.4	30.3	29.1	29.5	26.3	26.0	26.1
23	26.0	25.1	25.5	30.8	29.6	30.1	29.8	29.0	29.3	26.2	26.1	26.2
24	26.1	25.4	25.6	30.4	30.0	30.2	29.6	29.2	29.4	27.1	26.1	26.3
25	25.8	25.4	25.6	30.1	29.8	30.0	29.5	29.2	29.4	26.6	26.3	26.4
26	26.3	25.5	26.0	30.1	29.6	29.8	29.2	28.9	29.1	26.8	26.2	26.5
27	27.0	25.9	26.2	29.8	29.4	29.6	29.1	28.8	29.0	26.7	26.2	26.5
28	27.2	26.4	26.9	29.8	29.4	29.5	28.9	28.6	28.8	26.6	25.8	26.1
29	27.1	26.6	26.9	29.9	29.4	29.6	28.7	28.4	28.6	26.2	25.7	25.9
30	26.7	26.2	26.4	29.7	29.4	29.5	28.7	28.5	28.6	26.1	24.8	25.3
31	---	---	---	29.5	29.2	29.4	29.5	28.4	28.7	---	---	---
MONTH	29.7	21.1	24.6	31.2	26.0	29.1	30.4	28.2	28.9	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.2	6.4	6.8	9.2	8.2	8.6	---	---	---	12.4	11.5	11.8
2	7.6	6.6	7.0	9.1	8.0	8.5	---	---	---	12.1	11.1	11.6
3	8.0	6.6	7.0	8.6	7.9	8.2	10.1	9.4	9.7	11.9	10.7	11.5
4	7.5	6.5	7.0	8.3	7.9	8.0	10.4	9.4	10	11.7	10.8	11.4
5	7.5	6.6	7.0	8.6	7.9	8.2	10.6	9.8	10.2	11.7	11.0	11.3
6	7.8	7.1	7.4	8.8	8.2	8.5	10.6	9.6	10.1	11.2	10.3	10.8
7	8.2	7.0	7.6	9.0	8.3	8.6	10.3	9.5	10	10.5	10.0	10.3
8	8.6	7.5	8.0	8.9	8.4	8.6	10.1	9.4	9.7	10.4	9.8	10.1
9	8.3	7.6	7.8	9.1	8.7	8.9	10.0	9.4	9.8	10.1	9.5	9.8
10	8.6	7.8	8.2	---	---	---	9.7	9.0	9.2	10.4	9.7	10.0
11	8.4	7.5	7.9	---	---	---	9.3	9.0	9.1	10.6	9.8	10.1
12	8.2	7.4	7.8	---	---	---	9.7	9.0	9.3	10.9	9.4	10.3
13	8.1	7.4	7.6	---	---	---	9.8	9.3	9.6	---	---	---
14	7.8	7.3	7.5	---	---	---	10.3	9.6	10	---	---	---
15	7.9	7.1	7.5	---	---	---	11.3	9.8	10.4	---	---	---
16	8.2	7.8	8.0	---	---	---	11.2	9.9	10.3	---	---	---
17	8.6	8.1	8.3	---	---	---	11.1	9.9	10.6	---	---	---
18	8.9	7.9	8.3	---	---	---	11.6	10.4	11.0	---	---	---
19	8.7	8.0	8.3	---	---	---	11.3	9.9	10.7	---	---	---
20	8.3	7.8	8.1	---	---	---	11.5	10.5	11.1	---	---	---
21	8.2	7.6	7.9	---	---	---	11.7	11.1	11.4	---	---	---
22	8.3	7.7	8.0	---	---	---	11.9	11.2	11.6	---	---	---
23	8.7	7.9	8.3	---	---	---	11.8	11.2	11.6	---	---	---
24	8.6	8.1	8.5	---	---	---	11.4	11.0	11.2	---	---	---
25	8.8	8.2	8.4	---	---	---	11.5	11.0	11.2	---	---	---
26	9.3	8.2	8.7	---	---	---	11.9	11.1	11.5	---	---	---
27	9.7	8.7	9.1	---	---	---	12.5	11.6	11.9	12.0	11.7	11.9
28	9.6	8.8	9.3	---	---	---	12.5	11.9	12.2	12.2	11.8	12.1
29	9.3	8.6	8.9	---	---	---	12.6	12.1	12.4	12.3	12.1	12.2
30	9.5	8.6	9.0	---	---	---	12.5	11.9	12.2	12.3	12.1	12.2
31	9.1	8.3	8.7	---	---	---	12.7	11.8	12.2	12.2	12.0	12.1
MONTH	9.7	6.4	8.0	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	12.2	12.1	12.2	---	---	---	11.9	9.4	9.9	8.7	8.3	8.5
2	12.4	12.1	12.2	---	---	---	9.5	8.9	9.2	9.4	8.2	8.5
3	12.4	12.1	12.2	---	---	---	9.6	9.0	9.3	8.8	8.0	8.2
4	12.3	11.9	12.0	---	---	---	10.0	9.2	9.6	---	---	---
5	---	---	---	---	---	---	11.7	9.3	9.9	---	---	---
6	---	---	---	---	---	---	10.3	8.9	9.7	---	---	---
7	---	---	---	---	---	---	10.0	8.2	9.3	---	---	---
8	---	---	---	---	---	---	9.9	8.6	9.2	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	10.8	10.2	10.5	---	---	---	---	---	---
11	---	---	---	10.9	10.4	10.7	---	---	---	---	---	---
12	---	---	---	10.6	10.3	10.4	---	---	---	8.3	7.4	7.9
13	---	---	---	11.1	10.0	10.4	---	---	---	8.1	7.5	7.7
14	---	---	---	10.5	10.1	10.3	---	---	---	7.7	7.3	7.5
15	---	---	---	11.0	10.1	10.5	---	---	---	7.5	7.1	7.3
16	---	---	---	10.8	10.2	10.5	---	---	---	7.6	7.3	7.4
17	---	---	---	10.8	10.3	10.5	---	---	---	8.0	7.3	7.6
18	---	---	---	11.2	10.6	10.9	---	---	---	8.1	7.3	7.5
19	---	---	---	11.3	10.7	11.0	---	---	---	7.9	7.0	7.5
20	---	---	---	11.6	10.7	11.0	---	---	---	---	---	---
21	---	---	---	11.3	10.8	11.1	11.3	10.3	10.7	---	---	---
22	---	---	---	11.4	10.8	11.0	10.9	8.9	10	---	---	---
23	---	---	---	10.8	10.0	10.4	9.1	8.8	8.9	---	---	---
24	---	---	---	11.0	9.9	10.2	9.2	8.7	8.9	---	---	---
25	---	---	---	10.6	10.0	10.3	9.5	8.9	9.2	---	---	---
26	---	---	---	10.6	9.9	10.2	9.4	9.1	9.3	---	---	---
27	---	---	---	10.5	10.0	10.3	9.8	9.0	9.2	8.4	7.6	7.9
28	---	---	---	10.3	9.4	9.9	9.9	8.9	9.4	8.1	7.3	7.6
29	---	---	---	10.0	9.0	9.7	9.6	8.6	9.1	8.4	7.2	7.7
30	---	---	---	10.9	9.4	9.8	8.9	8.4	8.7	8.1	7.2	7.7
31	---	---	---	10.2	9.6	9.9	---	---	---	7.7	6.9	7.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	7.0	7.2	---	---	---	5.7	5.3	5.5	7.5	5.5	6.6
2	7.6	6.9	7.4	---	---	---	---	---	---	9.9	5.5	7.2
3	8.5	7.1	7.5	---	---	---	---	---	---	8.6	6.3	7.2
4	8.3	6.4	7.4	---	---	---	4.8	0.6	3.4	6.7	5.4	6.0
5	7.6	4.6	6.4	---	---	---	2.6	0.3	1.1	6.8	5.6	6.2
6	6.8	5.4	6.2	---	---	---	5.8	1.6	3.2	6.9	5.8	6.4
7	6.7	4.2	5.8	---	---	---	6.0	3.8	4.8	6.8	5.9	6.3
8	6.8	4.4	6.0	6.5	5.6	6.1	5.1	3.8	4.6	7.4	5.5	6.5
9	---	---	---	7.2	5.4	6.2	6.1	2.9	4.9	8.0	6.6	6.9
10	---	---	---	7.6	5.9	6.4	5.0	4.3	4.6	7.1	5.9	6.6
11	---	---	---	7.7	6.2	6.7	5.8	4.6	5.1	---	---	---
12	---	---	---	6.4	5.5	5.9	5.7	5.1	5.4	---	---	---
13	---	---	---	6.0	5.4	5.6	6.2	4.4	5.4	---	---	---
14	---	---	---	5.8	4.9	5.3	6.3	5.1	5.6	---	---	---
15	---	---	---	5.6	4.9	5.2	6.2	5.4	5.7	---	---	---
16	5.9	5.2	5.6	7.1	5.4	5.9	5.8	4.4	5.3	---	---	---
17	5.7	5.1	5.5	6.4	5.7	6.1	5.8	4.4	5.3	---	---	---
18	5.4	4.8	5.1	6.5	5.7	6.2	5.7	5.1	5.4	---	---	---
19	5.6	4.5	5.0	6.5	5.8	6.1	6.0	4.9	5.3	---	---	---
20	6.5	4.8	5.8	5.9	5.5	5.7	6.7	3.5	5.2	8.1	5.8	6.4
21	6.9	5.8	6.4	5.8	5.0	5.5	6.8	4.5	5.7	6.7	5.3	6.2
22	7.1	6.1	6.6	5.6	5.2	5.4	6.7	5.5	6.0	6.4	5.6	6.0
23	7.7	6.7	7.1	5.6	5.1	5.3	7.1	4.8	6.2	8.3	5.0	5.9
24	---	---	---	5.4	5.2	5.3	5.7	4.8	5.2	6.9	5.8	6.3
25	---	---	---	5.9	4.0	5.2	5.8	4.9	5.3	7.0	5.1	5.9
26	---	---	---	6.3	5.0	5.4	6.1	5.1	5.5	6.5	5.5	6.0
27	---	---	---	5.9	3.1	4.9	6.2	5.2	5.7	6.8	5.2	6.0
28	6.9	6.0	6.4	5.5	3.1	5.1	6.2	4.4	5.7	6.7	5.6	6.0
29	6.7	5.9	6.4	5.9	2.6	5.3	6.8	4.9	6.0	6.4	5.0	5.7
30	---	---	---	---	---	---	9.5	0.6	5.7	6.3	5.5	6.0
31	---	---	---	6.0	5.3	5.5	7.2	5.6	6.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.9	5.1	6.2	7.8	4.6	6.4	9.5	8.5	9.1	---	---	---
2	6.8	5.7	6.3	7.8	5.6	6.3	9.6	8.9	9.1	---	---	---
3	6.9	5.6	6.3	8.1	5.6	7.2	9.7	8.8	9.5	---	---	---
4	6.8	6.0	6.5	8.1	7.5	7.8	9.9	9.2	9.5	---	---	---
5	7.7	5.8	7.0	8.4	7.7	8.0	9.5	8.8	9.1	---	---	---
6	7.8	7.1	7.4	8.6	7.9	8.2	9.1	8.3	8.7	---	---	---
7	8.2	7.1	7.5	8.9	7.8	8.4	9.8	8.0	9.0	---	---	---
8	8.0	7.3	7.7	8.8	8.0	8.5	9.6	8.9	9.3	---	---	---
9	8.0	6.9	7.4	9.0	8.4	8.8	9.3	8.9	9.1	---	---	---
10	8.4	6.8	7.3	9.2	8.6	9.0	9.4	8.6	9.2	---	---	---
11	8.4	6.6	7.8	9.0	8.4	8.8	9.4	9.2	9.3	---	---	---
12	8.0	7.4	7.6	8.9	7.4	8.3	9.8	9.3	9.5	---	---	---
13	7.9	6.8	7.4	9.0	7.3	8.5	10.0	9.6	9.8	---	---	---
14	7.9	7.4	7.6	9.2	8.6	8.9	10.4	9.8	10.0	---	---	---
15	8.1	7.1	7.7	9.2	8.6	8.9	10.8	9.9	10.4	---	---	---
16	9.0	8.0	8.3	9.3	8.9	9.0	10.6	10.2	10.4	---	---	---
17	9.0	7.7	8.5	9.2	7.6	8.7	10.7	10.0	10.3	---	---	---
18	9.2	7.5	8.7	8.8	8.3	8.5	10.9	10.0	10.4	---	---	---
19	9.1	7.9	8.2	8.4	7.7	8.1	---	---	---	---	---	---
20	8.2	7.7	7.9	8.1	7.5	7.8	---	---	---	---	---	---
21	7.8	7.5	7.6	8.3	7.1	7.5	---	---	---	---	---	---
22	8.0	7.3	7.7	7.4	6.7	7.0	---	---	---	---	---	---
23	8.3	7.8	8.0	7.4	6.6	6.8	---	---	---	---	---	---
24	8.4	8.0	8.2	7.1	5.5	6.4	---	---	---	---	---	---
25	8.3	7.5	8.0	8.6	5.7	7.4	---	---	---	---	---	---
26	8.7	8.1	8.4	9.3	8.4	8.8	---	---	---	---	---	---
27	8.5	7.8	8.0	9.2	8.4	9.0	---	---	---	12.2	11.7	12.0
28	8.0	7.6	7.8	9.2	8.7	9.0	---	---	---	12.4	12.0	12.2
29	7.9	6.8	7.4	9.4	9.0	9.2	---	---	---	12.4	12.1	12.3
30	8.3	6.0	6.8	9.2	8.5	8.9	---	---	---	12.4	12.0	12.2
31	8.1	5.4	7.3	---	---	---	---	---	---	12.4	12.1	12.3
MONTH	9.2	5.1	7.6	9.4	4.6	8.1	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	12.3	11.7	12.1	10.1	9.9	10.1	9.8	7.7	9.2	8.4	7.9	8.2
2	12.2	11.5	11.8	10.4	10.1	10.3	9.3	8.8	9.0	8.1	6.8	7.5
3	11.9	11.3	11.7	10.9	10.3	10.5	9.4	8.9	9.1	8.3	6.7	7.8
4	12.0	11.6	11.8	10.8	10.2	10.6	9.6	8.9	9.3	---	---	---
5	12.1	11.3	11.8	11.0	10.3	10.7	9.5	8.7	9.1	---	---	---
6	11.7	11.2	11.5	10.9	9.8	10.5	8.7	7.3	8.0	---	---	---
7	11.6	11.3	11.5	10.9	9.8	10.4	9.2	6.3	7.9	---	---	---
8	11.4	10.8	11.1	10.5	9.8	10.1	8.9	7.8	8.3	---	---	---
9	11.3	10.2	10.8	10.8	9.7	10.2	8.7	7.8	8.4	---	---	---
10	11.8	10.1	10.9	11.1	9.9	10.5	9.0	8.5	8.7	---	---	---
11	11.3	11.0	11.1	11.1	10.5	10.8	9.2	8.2	8.6	---	---	---
12	11.3	10.9	11.1	10.8	10.4	10.6	8.9	7.8	8.3	6.4	5.2	5.8
13	11.2	10.6	11.0	10.8	10.0	10.4	9.1	8.6	8.9	6.8	4.4	5.0
14	11.1	10.2	10.8	10.8	10.3	10.6	9.6	9.0	9.3	6.6	3.8	5.1
15	10.8	9.9	10.4	10.7	9.6	10.2	9.9	9.4	9.7	7.2	3.4	5.0
16	10.8	9.9	10.2	10.8	9.5	10.1	10.3	9.8	10.1	7.4	4.5	6.3
17	10.9	10.0	10.6	10.9	10.6	10.7	10.4	9.6	10.1	7.5	4.4	6.3
18	10.9	10.2	10.7	11.1	10.0	10.8	10.1	9.2	9.6	7.6	5.1	6.3
19	10.7	10.2	10.5	10.9	10.0	10.4	10.1	8.2	9.1	7.5	5.0	5.9
20	10.6	9.9	10.3	10.8	9.4	10.1	9.5	6.9	8.1	---	---	---
21	10.5	9.2	10.1	10.9	8.8	9.9	9.2	6.0	7.5	---	---	---
22	10.4	9.4	9.9	10.4	8.8	9.3	9.1	6.4	8.0	---	---	---
23	10.1	9.0	9.4	10.6	9.3	10.2	9.1	8.1	8.4	---	---	---
24	10.2	9.2	9.9	10.2	9.7	9.9	8.7	8.0	8.3	---	---	---
25	10.3	9.7	10.0	10.2	9.1	9.6	8.9	8.1	8.5	---	---	---
26	10.1	9.5	9.7	10.2	8.6	9.6	8.9	8.2	8.6	---	---	---
27	10.3	9.2	9.6	9.9	8.5	9.2	9.0	8.0	8.5	7.9	6.6	7.2
28	10.3	10.0	10.2	9.8	7.9	9.2	8.8	8.2	8.5	8.0	6.3	7.2
29	---	---	---	9.9	9.4	9.6	9.1	7.4	8.3	7.9	5.9	6.7
30	---	---	---	9.8	8.5	9.3	8.7	8.2	8.4	7.6	5.3	6.8
31	---	---	---	10.0	8.2	9.3	---	---	---	7.6	6.5	7.2
MONTH	12.3	9.0	10.7	11.1	7.9	10.1	10.4	6.0	8.7	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.3	4.1	6.5	---	---	---	2.5	0.1	1.0	7.0	2.2	5.5
2	7.6	4.2	7.1	---	---	---	1.6	0.2	0.5	4.5	0.2	1.5
3	7.3	4.6	6.5	---	---	---	0.7	0.1	0.4	5.9	0.0	2.5
4	6.5	3.8	4.9	---	---	---	0.3	0.0	0.1	6.4	0.3	4.5
5	5.0	3.2	3.9	---	---	---	0.4	0.1	0.1	6.9	5.6	6.2
6	3.7	2.6	3.2	---	---	---	0.9	0.1	0.2	6.9	5.8	6.4
7	3.1	1.1	2.0	---	---	---	0.9	0.2	0.3	6.8	5.9	6.3
8	2.8	0.5	1.4	6.2	2.8	5.5	1.3	0.1	0.2	6.5	4.9	5.9
9	1.0	0.1	0.5	6.0	3.7	5.0	0.5	0.1	0.1	5.7	3.7	4.4
10	3.1	0.1	0.7	5.4	3.0	4.1	0.8	0.0	0.1	6.3	4.1	5.5
11	2.7	0.2	1.2	5.4	2.6	3.8	1.6	0.0	0.2	---	---	---
12	4.6	0.1	0.9	5.8	1.8	4.3	1.4	0.0	0.2	---	---	---
13	6.0	0.5	3.2	5.6	4.7	5.3	0.9	0.0	0.1	---	---	---
14	6.1	0.1	3.8	5.4	3.9	4.9	0.3	0.0	0.0	---	---	---
15	6.1	3.5	5.0	5.4	4.7	5.0	2.4	0.0	0.6	---	---	---
16	6.2	3.0	4.9	5.4	4.3	5.0	2.2	0.0	0.5	---	---	---
17	5.9	4.0	5.3	6.1	3.6	5.1	5.2	0.1	2.9	---	---	---
18	4.8	2.0	3.7	6.3	3.6	5.3	4.9	0.1	1.4	---	---	---
19	5.8	1.6	3.1	6.4	5.0	5.9	2.4	0.2	0.9	---	---	---
20	6.5	5.1	6.0	5.9	4.8	5.5	1.2	0.0	0.3	4.0	1.9	3.0
21	6.5	5.6	6.1	5.6	3.8	4.9	0.2	0.0	0.0	6.2	1.5	3.1
22	6.7	5.8	6.3	5.1	3.0	4.3	5.0	0.0	1.5	4.6	0.8	2.0
23	6.8	5.0	5.8	4.8	3.1	4.0	1.5	0.0	0.2	3.2	0.4	1.4
24	6.3	3.2	4.2	4.0	2.9	3.6	3.0	0.0	0.5	5.0	0.3	1.2
25	4.7	2.9	3.6	3.0	1.9	2.5	0.8	0.0	0.2	5.0	0.5	2.4
26	---	---	---	2.4	1.2	1.9	0.4	0.0	0.1	6.0	1.0	2.9
27	---	---	---	1.7	0.2	0.9	0.2	0.0	0.0	6.0	4.6	5.4
28	---	---	---	1.9	0.2	1.0	0.1	0.0	0.0	6.0	4.7	5.4
29	---	---	---	3.2	0.1	0.6	0.2	0.0	0.0	6.3	4.4	5.3
30	---	---	---	2.9	0.2	0.6	0.1	0.0	0.0	6.6	5.7	6.3
31	---	---	---	1.6	0.1	0.6	7.8	0.0	1.8	---	---	---
MONTH	---	---	---	---	---	---	7.8	0.0	0.5	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	86	76	81	100	88	93	---	---	---	97	90	92
2	92	78	84	100	86	92	---	---	---	95	87	91
3	97	79	84	95	86	90	94	87	91	95	85	91
4	90	78	83	90	85	87	96	87	92	99	87	94
5	89	78	83	93	85	88	97	89	93	101	96	98
6	91	83	87	93	86	90	97	88	93	99	92	96
7	94	80	87	94	86	89	95	89	93	96	90	93
8	99	85	91	92	87	89	97	89	92	95	89	92
9	95	86	89	91	87	89	96	89	93	93	86	90
10	99	89	94	---	---	---	93	86	90	95	88	91
11	95	85	90	---	---	---	91	87	89	97	88	92
12	93	83	88	---	---	---	93	86	89	101	86	94
13	91	83	86	---	---	---	91	87	89	---	---	---
14	88	82	85	---	---	---	93	87	90	---	---	---
15	87	79	83	---	---	---	95	86	90	---	---	---
16	89	84	87	---	---	---	95	86	88	---	---	---
17	92	86	89	---	---	---	94	86	90	---	---	---
18	95	84	88	---	---	---	100	89	94	---	---	---
19	95	85	90	---	---	---	97	86	91	---	---	---
20	91	86	88	---	---	---	94	89	91	---	---	---
21	90	83	86	---	---	---	93	88	91	---	---	---
22	89	83	86	---	---	---	96	89	92	---	---	---
23	92	83	88	---	---	---	96	92	94	---	---	---
24	90	85	88	---	---	---	94	90	93	---	---	---
25	90	85	87	---	---	---	93	89	91	---	---	---
26	95	84	89	---	---	---	93	89	91	---	---	---
27	100	88	93	---	---	---	95	90	92	89	87	88
28	100	91	95	---	---	---	95	90	92	89	87	88
29	95	88	92	---	---	---	97	92	94	90	87	88
30	100	88	94	---	---	---	96	92	94	91	89	90
31	98	87	92	---	---	---	99	91	95	91	88	90
MONTH	100	76	88	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	92	90	91	---	---	---	123	93	99	94	88	91
2	94	90	92	---	---	---	96	89	92	103	88	92
3	93	92	92	---	---	---	94	89	92	95	85	88
4	93	91	92	---	---	---	100	90	94	---	---	---
5	---	---	---	---	---	---	121	92	98	---	---	---
6	---	---	---	---	---	---	106	90	98	---	---	---
7	---	---	---	---	---	---	105	84	96	---	---	---
8	---	---	---	---	---	---	105	90	96	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	93	86	90	---	---	---	---	---	---
11	---	---	---	95	90	92	---	---	---	---	---	---
12	---	---	---	92	88	90	---	---	---	92	81	87
13	---	---	---	100	87	91	---	---	---	91	82	85
14	---	---	---	92	89	90	---	---	---	85	80	82
15	---	---	---	98	88	93	---	---	---	85	78	82
16	---	---	---	96	90	92	---	---	---	87	82	84
17	---	---	---	92	88	90	---	---	---	91	81	86
18	---	---	---	96	89	92	---	---	---	93	82	85
19	---	---	---	98	91	94	---	---	---	90	79	84
20	---	---	---	102	93	96	---	---	---	---	---	---
21	---	---	---	102	95	98	119	106	111	---	---	---
22	---	---	---	104	95	99	115	95	104	---	---	---
23	---	---	---	98	93	95	96	93	95	---	---	---
24	---	---	---	104	92	96	95	91	93	---	---	---
25	---	---	---	100	93	97	96	90	93	---	---	---
26	---	---	---	101	92	96	95	91	94	---	---	---
27	---	---	---	100	94	97	102	91	94	96	84	89
28	---	---	---	98	90	95	105	90	96	92	83	87
29	---	---	---	98	86	93	101	88	95	100	83	90
30	---	---	---	109	91	96	94	89	91	95	85	90
31	---	---	---	101	93	97	---	---	---	91	80	86
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	87	81	84	---	---	---	74	68	71	98	71	86
2	86	79	84	---	---	---	---	---	---	132	71	94
3	99	80	86	---	---	---	---	---	---	113	82	94
4	97	74	86	---	---	---	62	8	44	87	69	77
5	89	53	75	---	---	---	34	4	14	86	71	78
6	82	64	74	---	---	---	78	21	41	86	72	79
7	81	50	70	---	---	---	80	50	64	84	73	77
8	86	54	75	86	73	80	67	50	60	92	67	79
9	---	---	---	97	71	82	81	38	64	99	80	85
10	---	---	---	102	78	85	65	56	60	87	72	80
11	---	---	---	105	83	90	77	60	67	---	---	---
12	---	---	---	86	73	78	77	67	71	---	---	---
13	---	---	---	80	70	73	85	59	73	---	---	---
14	---	---	---	76	63	68	86	68	75	---	---	---
15	---	---	---	73	63	67	85	72	77	---	---	---
16	78	68	74	95	70	77	79	59	72	---	---	---
17	75	66	71	85	76	81	78	59	71	---	---	---
18	70	61	66	88	76	83	76	67	71	---	---	---
19	70	57	63	87	78	82	80	64	69	---	---	---
20	80	60	71	80	73	77	91	46	69	104	73	81
21	85	71	78	78	67	74	92	59	75	85	67	77
22	88	74	82	76	70	73	91	74	81	80	70	75
23	97	83	89	76	68	71	96	64	84	107	62	74
24	---	---	---	73	69	71	76	63	68	88	73	80
25	---	---	---	80	53	69	76	63	68	88	64	74
26	---	---	---	87	67	73	78	65	70	82	68	75
27	---	---	---	81	42	66	79	66	72	86	65	75
28	88	76	81	75	42	69	80	56	73	84	69	74
29	84	74	80	79	34	71	88	63	78	80	62	70
30	---	---	---	---	---	---	125	8	73	77	67	73
31	---	---	---	78	69	72	94	73	83	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	82	60	74	82	48	67	90	80	86	---	---	---
2	81	68	75	83	59	67	89	83	85	---	---	---
3	83	67	75	89	60	78	91	82	88	---	---	---
4	81	72	78	88	81	85	90	85	88	---	---	---
5	91	69	83	90	82	85	87	81	83	---	---	---
6	91	82	86	91	84	86	84	77	80	---	---	---
7	94	81	86	93	81	87	92	74	84	---	---	---
8	91	83	88	91	83	88	90	84	88	---	---	---
9	91	78	84	91	85	88	89	84	86	---	---	---
10	97	77	84	91	85	88	92	82	89	---	---	---
11	95	76	88	88	82	86	93	90	91	---	---	---
12	91	83	86	88	73	82	93	90	91	---	---	---
13	89	76	83	88	72	84	93	90	92	---	---	---
14	89	83	85	88	82	85	94	89	91	---	---	---
15	90	80	86	86	81	84	94	88	91	---	---	---
16	98	87	90	86	82	83	93	90	91	---	---	---
17	96	82	91	85	71	80	92	87	90	---	---	---
18	98	80	93	81	77	79	93	87	90	---	---	---
19	97	84	88	78	72	75	---	---	---	---	---	---
20	89	84	86	76	71	73	---	---	---	---	---	---
21	86	82	83	78	67	71	---	---	---	---	---	---
22	86	80	84	70	64	67	---	---	---	---	---	---
23	88	82	85	70	63	65	---	---	---	---	---	---
24	88	84	86	69	53	61	---	---	---	---	---	---
25	86	78	83	85	55	72	---	---	---	---	---	---
26	90	83	86	88	82	85	---	---	---	---	---	---
27	87	80	82	87	79	85	---	---	---	93	88	90
28	82	78	80	88	82	86	---	---	---	91	88	90
29	82	70	77	89	85	87	---	---	---	90	88	89
30	87	62	70	87	80	84	---	---	---	92	88	90
31	85	57	76	---	---	---	---	---	---	93	90	91
MONTH	98	57	83	93	48	80	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	92	88	91	87	84	86	98	76	91	89	84	87
2	92	86	89	87	84	86	95	89	91	86	72	79
3	90	85	88	90	85	87	92	88	90	88	71	83
4	92	88	90	89	84	87	96	87	91	---	---	---
5	93	87	91	93	85	89	95	86	91	---	---	---
6	90	86	89	93	82	88	86	72	79	---	---	---
7	90	88	89	93	82	89	96	63	80	---	---	---
8	89	84	87	91	85	88	93	81	86	---	---	---
9	88	80	84	94	83	86	89	81	87	---	---	---
10	99	79	88	97	83	90	92	85	88	---	---	---
11	94	90	91	97	90	94	94	83	88	---	---	---
12	92	88	90	94	91	92	89	79	84	67	54	61
13	92	86	89	96	88	92	90	86	88	73	46	53
14	91	83	88	95	91	93	94	87	90	71	41	54
15	89	80	85	94	85	90	94	89	92	81	36	54
16	92	81	84	94	84	89	96	91	93	83	49	70
17	94	84	91	93	91	92	95	89	92	84	48	70
18	95	89	93	95	85	92	94	85	89	85	57	71
19	93	87	90	94	85	89	96	76	85	85	56	66
20	90	84	87	93	80	86	91	64	76	---	---	---
21	91	79	86	96	76	85	91	57	72	---	---	---
22	90	81	86	92	76	81	96	61	80	---	---	---
23	88	78	81	97	82	93	96	85	89	---	---	---
24	89	80	86	96	89	92	90	83	86	---	---	---
25	88	83	86	96	85	90	90	81	86	---	---	---
26	86	81	83	96	81	89	90	83	87	---	---	---
27	87	79	82	93	80	87	92	81	87	90	73	80
28	88	85	86	95	74	88	90	83	86	90	71	81
29	---	---	---	97	90	93	94	75	85	93	67	77
30	---	---	---	96	83	91	92	85	88	89	61	79
31	---	---	---	100	80	92	---	---	---	89	76	84
MONTH	99	78	88	100	74	89	98	57	87	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	85	47	75	---	---	---	32	1	14	92	28	71
2	86	48	80	---	---	---	21	3	7	58	3	20
3	83	52	74	---	---	---	9	1	5	77	0	33
4	74	43	56	---	---	---	4	0	1	83	4	59
5	57	36	44	---	---	---	5	1	2	87	71	79
6	42	29	36	---	---	---	12	1	3	86	72	79
7	35	12	22	---	---	---	12	3	4	84	73	77
8	32	6	16	82	36	73	17	1	3	80	60	72
9	12	1	6	79	48	65	6	1	1	70	45	54
10	37	1	8	71	39	54	10	0	1	77	50	67
11	32	2	15	72	34	50	21	0	3	---	---	---
12	57	1	10	77	24	57	18	0	3	---	---	---
13	74	6	39	74	62	70	12	0	2	---	---	---
14	77	1	48	70	50	64	4	0	0	---	---	---
15	79	44	63	70	61	65	32	0	7	---	---	---
16	82	38	64	71	56	65	29	0	6	---	---	---
17	76	52	68	80	47	67	70	1	38	---	---	---
18	62	25	47	85	47	71	64	1	18	---	---	---
19	73	20	39	86	66	78	32	3	11	---	---	---
20	80	64	75	80	64	74	16	0	3	49	23	37
21	80	67	74	76	51	65	3	0	0	78	19	39
22	83	71	77	68	40	58	67	0	20	57	10	24
23	84	62	72	64	41	53	20	0	3	40	5	18
24	78	39	51	53	39	48	39	0	6	63	4	15
25	58	36	44	40	25	33	10	0	3	63	6	30
26	---	---	---	32	16	25	5	0	2	75	12	37
27	---	---	---	22	3	11	3	0	0	75	57	67
28	---	---	---	25	3	13	1	0	0	75	58	67
29	---	---	---	42	1	8	3	0	0	78	54	65
30	---	---	---	38	3	8	1	0	0	80	70	76
31	---	---	---	21	1	8	102	0	23	---	---	---
MONTH	---	---	---	---	---	---	102	0	6	---	---	---

02084557 VAN SWAMP NEAR HOKE, NC

LOCATION.--Lat 35°43'51", long 76°44'46", Washington County, Hydrologic Unit 03020104, on left bank at upstream side of culvert on State Highway 32, and 4.8 mi east of Hoke.

DRAINAGE AREA.--23 mi^2.

PERIOD OF RECORD.--May 1977 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow occurs periodically. Minimum discharge for current water year also occurred Sept. 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.2	e3.3	e13	e15	e15	48	68	11	3.8	23	23	0.06
2	e2.9	e3.5	e13	e16	e15	46	69	11	5.9	20	27	0.05
3	e2.6	e4.0	e12	e17	e15	41	80	9.8	11	15	26	0.05
4	e2.4	e4.4	e12	e18	e14	38	75	8.9	12	12	19	0.04
5	e2.2	e4.8	e12	e18	e14	34	69	8.0	11	11	14	0.04
6	e2.0	e5.1	e12	e17	e13	31	64	37	11	15	11	0.03
7	e1.8	e4.9	e12	e18	e12	28	58	90	17	13	8.4	0.02
8	e1.6	e4.6	e12	e18	e12	26	68	89	16	9.9	6.5	0.02
9	e1.4	e4.2	e12	e18	e12	25	78	84	15	8.0	5.6	0.02
10	e1.1	e4.4	e12	e18	11	24	76	76	18	6.3	7.4	0.01
11	e1.0	e5.1	e12	e18	10	22	70	66	15	4.8	6.5	0.01
12	e1.1	e7.0	e12	e17	9.9	21	63	55	12	3.8	4.5	0.02
13	e1.2	e8.5	e12	e17	9.6	20	64	45	10	4.4	3.4	0.03
14	e1.4	e11	e12	e18	9.5	19	74	38	8.2	6.9	2.6	0.06
15	e1.6	e11	e13	e20	11	21	72	32	6.7	6.8	1.9	0.79
16	e1.6	e11	e13	e24	11	21	66	28	5.3	5.5	1.4	1.9
17	e1.6	e12	e13	e26	12	47	60	24	4.2	4.2	1.4	1.2
18	e1.7	e11	e13	e27	11	67	53	20	3.4	3.3	1.2	2.2
19	e1.7	e11	e13	e25	11	66	47	18	2.8	2.7	0.99	3.6
20	e1.9	e11	e12	e22	11	64	41	16	e2.5	2.3	0.82	1.0
21	e2.4	e14	e12	e20	11	61	36	15	e2.1	1.9	0.62	0.68
22	e2.9	e14	e11	e20	11	56	31	14	e1.6	1.7	0.47	0.73
23	e3.3	e14	e12	e21	11	61	27	12	e0.91	2.4	0.34	0.94
24	e3.4	e14	e12	e22	13	81	24	11	e0.52	2.3	0.29	0.76
25	e3.3	e14	e12	e24	18	80	21	10	e0.52	1.8	0.25	0.68
26	e3.5	e13	e12	e23	19	77	19	9.3	e0.46	1.4	0.19	0.54
27	e3.7	e13	e13	e20	18	72	17	8.2	e0.41	1.0	0.19	0.41
28	e3.7	e13	e13	e18	32	74	15	7.1	e0.41	0.79	0.18	0.28
29	e3.8	e13	e13	e16	---	84	14	6.1	e3.3	0.95	0.16	0.32
30	e3.9	e13	e14	e15	---	80	13	5.1	24	8.2	0.17	0.32
31	e3.4	---	e14	e15	---	74	---	4.4	---	12	0.09	---
TOTAL	73.3	276.8	385	601	372.0	1,509	1,532	868.9	225.03	212.34	175.56	16.81
MEAN	2.36	9.23	12.4	19.4	13.3	48.7	51.1	28.0	7.50	6.85	5.66	0.56
MAX	3.9	14	14	27	32	84	80	90	24	23	27	3.6
MIN	1.0	3.3	11	15	9.5	19	13	4.4	0.41	0.79	0.09	0.01
CFSM	0.10	0.40	0.54	0.84	0.58	2.12	2.22	1.22	0.33	0.30	0.25	0.02
IN.	0.12	0.45	0.62	0.97	0.60	2.44	2.48	1.41	0.36	0.34	0.28	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	18.8	15.8	18.4	39.5	44.4	55.2	40.8	24.8	10.9	6.13	13.9	20.5
MAX	166	121	98.5	124	122	142	101	122	43.8	55.2	74.9	189
(WY)	(2000)	(1978)	(2004)	(1978)	(1998)	(1983)	(1983)	(1978)	(2001)	(1989)	(2003)	(1999)
MIN	0.02	0.01	0.03	0.72	9.76	8.78	4.68	0.58	0.29	0.01	0.00	0.03
(WY)	(1979)	(2002)	(2002)	(1989)	(2002)	(1992)	(1985)	(1985)	(1985)	(1997)	(1997)	(1995)

02084557 VAN SWAMP NEAR HOKE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	8,722.41		6,247.74			
ANNUAL MEAN	23.8		17.1		25.8	
HIGHEST ANNUAL MEAN					51.7	1978
LOWEST ANNUAL MEAN					6.91	2002
HIGHEST DAILY MEAN	177	Aug 16	90	May 7	385	Nov 7, 1977
LOWEST DAILY MEAN	0.32	Jun 3	0.01	Sep 10	0.00	Aug 21, 1983
ANNUAL SEVEN-DAY MINIMUM	1.2	May 29	0.02	Sep 6	0.00	Sep 12, 1985
MAXIMUM PEAK FLOW			93	May 7	409	Nov 6, 1977
MAXIMUM PEAK STAGE			3.06	May 7	7.43	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.01*	Sep 10	0.00	Oct 1, 1978
ANNUAL RUNOFF (CFSM)	1.04		0.744		1.12	
ANNUAL RUNOFF (INCHES)	14.11		10.11		15.27	
10 PERCENT EXCEEDS	48		55		74	
50 PERCENT EXCEEDS	18		12		9.7	
90 PERCENT EXCEEDS	3.2		0.68		0.14	

* See REMARKS.
e Estimated