

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC

LOCATION.--Lat 35°56'39", long 77°04'10", Bertie County, Hydrologic Unit 03010107, on left bank, 0.1 mi downstream of Coniott Creek, and 0.65 mi south-southeast of Quitsna.

PERIOD OF RECORD.--Water years 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1998 to current year.

pH: January 1998 to current year.

WATER TEMPERATURE: January 1998 to current year.

DISSOLVED OXYGEN: January 1998 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: January 1998 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from January 1998 to current year.

REMARKS.--Station operated in cooperation with U.S. Fish and Wildlife Service to define water-quality characteristics in the Roanoke River Basin below Roanoke Rapids Dam. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	215, August 30, 2001	32, September 18, 19, 1999
pH, standard units	7.9, March 8, 1998	5.7, September 18-21, 1999
WATER TEMPERATURE, °C	31.2, August 1, 2002	2.3, January 4, 2001
DISSOLVED OXYGEN, mg/L	14.2, January 7, 1999	2.2, May 15, 2000
DISSOLVED OXYGEN, PERCENT SATURATION,%	121, July 5, 6, 1999	26, May 15, 2000

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	191, August 26	78, April 5
pH, standard units	7.8, June 25	6.1, October 6, 7
WATER TEMPERATURE, °C	31.2, August 1	3.2, January 6
DISSOLVED OXYGEN, mg/L	11.8, January 17, 18	5.8, April 20
DISSOLVED OXYGEN, PERCENT SATURATION,%	120, July 30, 31	69, April 18, 19, 20

ROANOKE RIVER BASIN

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC--Continued

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN												
													OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	163	159	162	149	144	147	137	136	137												
2	---	---	---	160	144	157	151	149	150	138	137	137												
3	150	148	149	166	139	149	150	149	149	137	136	136												
4	150	146	147	159	157	158	151	147	148	136	134	135												
5	148	128	142	161	158	159	149	145	147	134	133	134												
6	144	127	136	161	158	159	146	142	146	135	133	134												
7	134	126	129	158	154	157	146	140	145	136	134	135												
8	144	133	139	154	152	153	149	142	146	139	136	138												
9	151	132	143	154	151	152	150	148	150	139	136	137												
10	152	151	151	151	149	150	151	142	150	136	135	135												
11	151	148	150	153	150	152	152	147	149	138	134	136												
12	149	147	148	153	151	152	148	140	146	136	134	135												
13	147	131	136	154	152	153	145	138	144	137	134	135												
14	149	135	145	155	151	154	142	140	141	138	137	137												
15	157	144	149	152	147	149	145	140	142	138	137	137												
16	159	157	158	147	144	146	146	134	144	137	135	136												
17	158	154	156	147	144	146	147	135	146	135	133	134												
18	154	151	152	149	146	148	146	137	142	136	133	134												
19	151	135	145	151	146	149	137	134	136	140	136	138												
20	154	132	139	148	147	148	136	134	135	137	135	136												
21	156	147	152	150	147	149	135	134	134	136	129	133												
22	158	147	154	149	146	147	140	135	137	129	119	125												
23	155	135	144	147	145	146	140	138	139	119	109	114												
24	157	135	146	147	146	147	153	138	145	115	110	112												
25	157	156	157	148	147	147	140	139	140	122	115	118												
26	158	156	157	148	146	148	140	138	139	124	118	122												
27	159	157	158	147	145	146	138	135	137	125	118	124												
28	160	159	160	146	145	146	135	135	135	129	124	126												
29	162	160	161	147	145	146	136	135	136	129	128	128												
30	163	161	162	146	144	145	136	135	136	130	128	129												
31	164	162	163	---	---	---	137	136	137	133	130	131												
MONTH	---	---	---	166	139	151	153	134	143	140	109	132												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN												
													FEBRUARY			MARCH			APRIL			MAY		
1	137	132	135	152	150	151	124	119	122	167	163	165												
2	140	136	138	152	149	151	125	116	121	169	162	165												
3	144	140	142	154	147	151	123	96	112	165	164	164												
4	145	143	144	155	153	154	99	84	89	166	163	165												
5	145	143	145	156	152	154	96	78	86	166	163	165												
6	144	142	143	154	147	151	117	96	108	166	163	165												
7	143	139	141	149	146	147	124	117	120	164	159	161												
8	141	139	140	148	146	147	129	119	125	160	158	159												
9	142	140	142	154	147	151	133	123	128	162	159	160												
10	142	138	140	157	153	156	138	133	136	162	159	161												
11	139	137	138	158	156	157	140	132	138	163	161	163												
12	137	136	137	161	147	158	143	138	140	165	162	164												
13	138	135	136	159	155	157	145	139	142	169	165	167												
14	138	136	137	157	154	156	144	138	142	167	164	166												
15	140	137	139	156	154	155	147	142	144	165	157	160												
16	146	140	142	158	155	157	151	146	148	158	156	157												
17	146	144	146	160	156	158	151	148	150	159	155	157												
18	146	144	145	162	149	156	152	148	150	162	159	160												
19	145	144	144	152	143	147	152	148	150	162	158	160												
20	146	144	145	145	140	142	155	147	152	161	158	160												
21	147	144	146	141	131	138	157	154	156	160	156	157												
22	148	146	147	132	127	129	159	153	158	159	157	158												
23	153	148	150	133	129	131	160	157	158	160	148	158												
24	155	153	154	134	130	132	162	157	158	160	156	158												
25	155	153	154	136	132	134	158	156	157	159	156	157												
26	154	152	153	136	134	135	157	156	157	161	157	158												
27	153	151	152	136	134	135	158	156	157	161	158	160												
28	152	151	152	137	132	135	161	157	159	161	159	160												
29	---	---	---	136	131	134	165	160	162	161	152	160												
30	---	---	---	132	130	131	166	163	165	159	154	158												
31	---	---	---	131	119	130	---	---	---	159	156	158												
MONTH	155	132	144	162	119	146	166	78	140	169	148	161												

ROANOKE RIVER BASIN

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC--Continued

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																			
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													1	160	158	159	159	156	157	164	162	163	175	170	172	2	161	159	160	162	155	158	164	158	161	177	174	175	3	162	160	161	160	155	157	170	161	168	177	169	172	4	162	160	161	165	159	161	177	168	173	179	171	175	5	161	157	159	160	151	156	177	173	175	176	173	175	6	158	155	157	160	150	155	182	176	179	177	173	175	7	159	156	157	156	149	153	183	179	181	180	172	175	8	159	157	159	156	148	152	180	161	169	174	172	173	9	159	155	157	154	145	150	180	169	175	175	172	174	10	159	152	155	155	150	154	178	175	176	174	170	172	11	159	156	157	153	143	150	176	170	174	172	168	170	12	160	156	158	151	138	145	177	176	177	171	167	169	13	161	155	158	154	142	148	177	172	174	169	166	168	14	160	156	158	153	144	149	177	172	175	169	166	168	15	160	156	158	153	145	149	178	175	176	167	163	165	16	158	157	158	153	145	149	179	176	178	170	163	166	17	161	158	160	158	152	155	183	179	180	176	156	163	18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---
2	161	159	160	162	155	158	164	158	161	177	174	175	3	162	160	161	160	155	157	170	161	168	177	169	172	4	162	160	161	165	159	161	177	168	173	179	171	175	5	161	157	159	160	151	156	177	173	175	176	173	175	6	158	155	157	160	150	155	182	176	179	177	173	175	7	159	156	157	156	149	153	183	179	181	180	172	175	8	159	157	159	156	148	152	180	161	169	174	172	173	9	159	155	157	154	145	150	180	169	175	175	172	174	10	159	152	155	155	150	154	178	175	176	174	170	172	11	159	156	157	153	143	150	176	170	174	172	168	170	12	160	156	158	151	138	145	177	176	177	171	167	169	13	161	155	158	154	142	148	177	172	174	169	166	168	14	160	156	158	153	144	149	177	172	175	169	166	168	15	160	156	158	153	145	149	178	175	176	167	163	165	16	158	157	158	153	145	149	179	176	178	170	163	166	17	161	158	160	158	152	155	183	179	180	176	156	163	18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163													
3	162	160	161	160	155	157	170	161	168	177	169	172	4	162	160	161	165	159	161	177	168	173	179	171	175	5	161	157	159	160	151	156	177	173	175	176	173	175	6	158	155	157	160	150	155	182	176	179	177	173	175	7	159	156	157	156	149	153	183	179	181	180	172	175	8	159	157	159	156	148	152	180	161	169	174	172	173	9	159	155	157	154	145	150	180	169	175	175	172	174	10	159	152	155	155	150	154	178	175	176	174	170	172	11	159	156	157	153	143	150	176	170	174	172	168	170	12	160	156	158	151	138	145	177	176	177	171	167	169	13	161	155	158	154	142	148	177	172	174	169	166	168	14	160	156	158	153	144	149	177	172	175	169	166	168	15	160	156	158	153	145	149	178	175	176	167	163	165	16	158	157	158	153	145	149	179	176	178	170	163	166	17	161	158	160	158	152	155	183	179	180	176	156	163	18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163																										
4	162	160	161	165	159	161	177	168	173	179	171	175	5	161	157	159	160	151	156	177	173	175	176	173	175	6	158	155	157	160	150	155	182	176	179	177	173	175	7	159	156	157	156	149	153	183	179	181	180	172	175	8	159	157	159	156	148	152	180	161	169	174	172	173	9	159	155	157	154	145	150	180	169	175	175	172	174	10	159	152	155	155	150	154	178	175	176	174	170	172	11	159	156	157	153	143	150	176	170	174	172	168	170	12	160	156	158	151	138	145	177	176	177	171	167	169	13	161	155	158	154	142	148	177	172	174	169	166	168	14	160	156	158	153	144	149	177	172	175	169	166	168	15	160	156	158	153	145	149	178	175	176	167	163	165	16	158	157	158	153	145	149	179	176	178	170	163	166	17	161	158	160	158	152	155	183	179	180	176	156	163	18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163																																							
5	161	157	159	160	151	156	177	173	175	176	173	175	6	158	155	157	160	150	155	182	176	179	177	173	175	7	159	156	157	156	149	153	183	179	181	180	172	175	8	159	157	159	156	148	152	180	161	169	174	172	173	9	159	155	157	154	145	150	180	169	175	175	172	174	10	159	152	155	155	150	154	178	175	176	174	170	172	11	159	156	157	153	143	150	176	170	174	172	168	170	12	160	156	158	151	138	145	177	176	177	171	167	169	13	161	155	158	154	142	148	177	172	174	169	166	168	14	160	156	158	153	144	149	177	172	175	169	166	168	15	160	156	158	153	145	149	178	175	176	167	163	165	16	158	157	158	153	145	149	179	176	178	170	163	166	17	161	158	160	158	152	155	183	179	180	176	156	163	18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163																																																				
6	158	155	157	160	150	155	182	176	179	177	173	175	7	159	156	157	156	149	153	183	179	181	180	172	175	8	159	157	159	156	148	152	180	161	169	174	172	173	9	159	155	157	154	145	150	180	169	175	175	172	174	10	159	152	155	155	150	154	178	175	176	174	170	172	11	159	156	157	153	143	150	176	170	174	172	168	170	12	160	156	158	151	138	145	177	176	177	171	167	169	13	161	155	158	154	142	148	177	172	174	169	166	168	14	160	156	158	153	144	149	177	172	175	169	166	168	15	160	156	158	153	145	149	178	175	176	167	163	165	16	158	157	158	153	145	149	179	176	178	170	163	166	17	161	158	160	158	152	155	183	179	180	176	156	163	18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163																																																																	
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17	161	158	160	158	152	155	183	179	180	176	156	163	18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163																																																																																																																																																																																																																
18	163	160	161	158	145	155	185	182	183	156	151	152	19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163																																																																																																																																																																																																																													
19	162	158	160	155	144	151	187	180	184	151	145	149	20	162	157	159	156	146	151	190	181	184	147	143	144	21	166	158	163	156	146	152	182	180	181	152	147	151	22	166	163	165	158	147	152	183	177	179	152	149	151	23	164	161	163	158	149	153	183	178	180	152	150	151	24	165	161	163	160	154	157	186	182	183	154	151	152	25	164	158	161	159	154	157	188	185	186	154	152	153	26	162	159	160	156	149	152	191	186	189	156	153	154	27	164	157	161	158	148	153	190	184	188	157	154	156	28	160	155	158	159	150	156	188	184	186	159	156	158	29	162	159	160	160	152	155	187	179	183	160	158	159	30	161	156	158	160	152	156	180	165	173	161	159	161	31	---	---	---	164	156	162	175	166	172	---	---	---	MONTH	166	152	159	165	138	154	191	158	178	180	143	163																																																																																																																																																																																																																																										
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PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																			
													OCTOBER			NOVEMBER			DECEMBER			JANUARY																																																																																																																																																																																																																																																																																																																																																																																																									
													1	---	---	---	7.0	6.7	6.8	6.9	6.8	6.9	7.5	7.5	7.5	2	---	---	---	7.0	7.0	7.0	7.0	6.9	6.9	7.5	7.5	7.5	3	6.6	6.5	6.6	7.0	6.9	7.0	7.0	6.9	6.9	7.6	7.5	7.5	4	6.6	6.5	6.5	7.0	6.9	7.0	7.0	6.9	7.0	7.6	7.6	7.6	5	6.5	6.2	6.3	7.0	7.0	7.0	7.1	6.9	7.0	7.6	7.5	7.6	6	6.2	6.1	6.1	7.0	7.0	7.0	7.1	7.1	7.1	7.6	7.5	7.5	7	6.2	6.1	6.2	7.0	7.0	7.0	7.1	7.0	7.1	7.5	7.4	7.4	8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8
2	---	---	---	7.0	7.0	7.0	7.0	6.9	6.9	7.5	7.5	7.5	3	6.6	6.5	6.6	7.0	6.9	7.0	7.0	6.9	6.9	7.6	7.5	7.5	4	6.6	6.5	6.5	7.0	6.9	7.0	7.0	6.9	7.0	7.6	7.6	7.6	5	6.5	6.2	6.3	7.0	7.0	7.0	7.1	6.9	7.0	7.6	7.5	7.6	6	6.2	6.1	6.1	7.0	7.0	7.0	7.1	7.1	7.1	7.6	7.5	7.5	7	6.2	6.1	6.2	7.0	7.0	7.0	7.1	7.0	7.1	7.5	7.4	7.4	8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2													
3	6.6	6.5	6.6	7.0	6.9	7.0	7.0	6.9	6.9	7.6	7.5	7.5	4	6.6	6.5	6.5	7.0	6.9	7.0	7.0	6.9	7.0	7.6	7.6	7.6	5	6.5	6.2	6.3	7.0	7.0	7.0	7.1	6.9	7.0	7.6	7.5	7.6	6	6.2	6.1	6.1	7.0	7.0	7.0	7.1	7.1	7.1	7.6	7.5	7.5	7	6.2	6.1	6.2	7.0	7.0	7.0	7.1	7.0	7.1	7.5	7.4	7.4	8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																										
4	6.6	6.5	6.5	7.0	6.9	7.0	7.0	6.9	7.0	7.6	7.6	7.6	5	6.5	6.2	6.3	7.0	7.0	7.0	7.1	6.9	7.0	7.6	7.5	7.6	6	6.2	6.1	6.1	7.0	7.0	7.0	7.1	7.1	7.1	7.6	7.5	7.5	7	6.2	6.1	6.2	7.0	7.0	7.0	7.1	7.0	7.1	7.5	7.4	7.4	8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																							
5	6.5	6.2	6.3	7.0	7.0	7.0	7.1	6.9	7.0	7.6	7.5	7.6	6	6.2	6.1	6.1	7.0	7.0	7.0	7.1	7.1	7.1	7.6	7.5	7.5	7	6.2	6.1	6.2	7.0	7.0	7.0	7.1	7.0	7.1	7.5	7.4	7.4	8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																				
6	6.2	6.1	6.1	7.0	7.0	7.0	7.1	7.1	7.1	7.6	7.5	7.5	7	6.2	6.1	6.2	7.0	7.0	7.0	7.1	7.0	7.1	7.5	7.4	7.4	8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																	
7	6.2	6.1	6.2	7.0	7.0	7.0	7.1	7.0	7.1	7.5	7.4	7.4	8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																														
8	6.4	6.2	6.3	7.0	7.0	7.0	7.2	7.1	7.1	7.5	7.4	7.5	9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																											
9	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.0	7.1	7.5	7.4	7.5	10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																								
10	6.5	6.5	6.5	7.0	7.0	7.0	7.3	7.1	7.2	7.4	7.3	7.3	11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																					
11	6.6	6.5	6.6	7.0	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																		
12	6.6	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.3	7.3	13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																															
13	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.4	7.3	7.3	14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																												
14	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.2	7.3	7.3	7.3	15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																									
15	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.3	7.2	7.3	16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																						
16	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.3	7.3	7.3	7.3	7.3	17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																			
17	6.8	6.6	6.7	6.9	6.9	6.9	7.4	7.3	7.4	7.3	7.1	7.3	18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																
18	6.7	6.6	6.6	6.9	6.9	6.9	7.4	7.3	7.3	7.3	7.3	7.3	19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																													
19	6.7	6.6	6.6	6.9	6.8	6.8	7.3	7.2	7.3	7.3	7.2	7.3	20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																										
20	6.7	6.6	6.7	6.8	6.8	6.8	7.3	7.2	7.3	7.2	7.1	7.2	21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																							
21	6.7	6.6	6.7	6.9	6.8	6.8	7.3	7.2	7.3	7.2	7.0	7.1	22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																				
22	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	7.1	6.9	7.0	23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																	
23	6.7	6.6	6.6	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																														
24	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.9	25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																											
25	6.7	6.6	6.7	6.9	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																								
26	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.8	6.8	6.8	27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																																					
27	6.7	6.7	6.7	7.0	7.0	7.0	7.2	7.2	7.2	6.8	6.8	6.8	28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																																																		
28	6.7	6.7	6.7	7.0	6.9	7.0	7.2	7.2	7.2	6.9	6.8	6.8	29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																																																															
29	6.8	6.7	6.7	7.0	6.9	6.9	7.3	7.2	7.3	6.9	6.8	6.8	30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																																																																												
30	6.8	6.7	6.7	6.9	6.8	6.8	7.4	7.3	7.3	6.8	6.8	6.8	31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																																																																																									
31	6.8	6.7	6.7	---	---	---	7.5	7.4	7.4	6.8	6.8	6.8	MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																																																																																																						
MONTH	---	---	---	7.0	6.7	6.9	7.5	6.8	7.2	7.6	6.8	7.2																																																																																																																																																																																																																																																																																																																																																																																																																			

ROANOKE RIVER BASIN

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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

ROANOKE RIVER BASIN

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	15.1	14.4	14.7	17.2	16.9	17.0	7.1	6.7	6.9
2	---	---	---	16.1	15.1	15.6	16.9	16.3	16.7	6.7	6.2	6.6
3	20.2	19.7	20.0	16.9	16.1	16.6	16.4	15.4	15.7	6.2	4.8	5.5
4	21.2	20.1	20.6	17.5	16.9	17.2	15.4	14.5	14.9	4.8	4.0	4.4
5	21.8	20.9	21.3	17.3	16.7	17.1	14.5	13.8	14.0	4.1	3.7	3.8
6	21.7	21.3	21.5	16.7	15.6	16.3	13.8	13.6	13.7	3.7	3.2	3.4
7	21.3	20.7	21.1	15.6	14.7	15.2	13.6	13.4	13.6	3.9	3.4	3.6
8	20.7	19.7	20.0	14.7	14.0	14.4	14.3	13.6	13.9	4.5	3.9	4.3
9	19.8	18.8	19.3	14.0	13.6	13.8	14.5	14.3	14.4	4.7	4.1	4.4
10	18.8	18.3	18.5	14.0	13.6	13.8	14.4	14.1	14.2	4.9	4.3	4.6
11	18.9	18.1	18.5	14.2	14.0	14.1	14.1	13.9	14.0	5.6	4.8	5.2
12	19.3	18.5	18.9	14.1	13.7	14.0	13.9	13.5	13.7	5.9	5.2	5.5
13	20.0	19.2	19.6	13.7	13.3	13.5	13.5	13.3	13.3	6.4	5.8	6.1
14	20.4	20.0	20.2	13.3	13.1	13.2	13.9	13.2	13.5	6.6	6.0	6.3
15	20.9	20.3	20.6	13.3	13.2	13.3	14.1	13.9	14.0	6.7	6.3	6.5
16	20.9	20.2	20.6	13.4	13.1	13.2	14.0	13.7	13.8	6.6	6.1	6.3
17	20.5	19.5	20.0	13.6	13.3	13.5	13.8	13.4	13.6	6.7	6.1	6.4
18	19.5	18.4	18.8	13.9	13.6	13.8	13.7	13.1	13.5	6.8	6.6	6.7
19	18.4	17.8	18.0	14.0	13.8	13.9	13.1	12.4	12.7	6.9	6.6	6.7
20	18.0	17.4	17.7	14.1	13.7	14.0	12.4	11.7	12.1	6.7	6.4	6.6
21	18.5	17.6	18.0	13.7	13.3	13.6	11.7	10.9	11.3	6.6	6.3	6.4
22	19.1	18.2	18.6	13.3	12.5	12.9	10.9	9.8	10.3	6.3	5.9	6.1
23	19.8	19.0	19.4	12.6	12.0	12.3	9.8	9.1	9.3	6.6	5.9	6.2
24	20.5	19.8	20.2	12.3	12.1	12.2	9.5	9.2	9.4	7.9	6.4	7.2
25	21.1	20.4	20.7	13.0	12.3	12.6	9.2	9.0	9.1	8.4	7.7	8.1
26	20.7	19.8	20.4	14.1	13.0	13.6	9.4	9.1	9.2	8.8	7.9	8.4
27	19.8	18.2	19.1	15.2	14.1	14.7	9.2	8.6	9.0	9.2	8.1	8.7
28	18.2	16.3	17.3	16.1	15.2	15.8	8.7	8.1	8.4	9.4	8.8	9.1
29	16.3	15.2	15.8	16.7	16.1	16.4	8.2	7.5	7.8	9.6	8.9	9.2
30	15.2	14.6	14.9	16.9	16.7	16.8	7.5	7.0	7.4	10.8	9.3	9.9
31	14.6	14.3	14.5	---	---	---	7.0	6.9	6.9	12.1	10.6	11.1
MONTH	---	---	---	17.5	12.0	14.4	17.2	6.9	12.3	12.1	3.2	6.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.4	12.1	12.7	10.0	9.5	9.7	16.3	15.2	15.7	22.0	21.5	21.8
2	13.3	12.7	12.9	9.7	9.1	9.3	17.0	15.4	16.2	22.6	21.9	22.3
3	12.8	12.3	12.5	9.9	9.3	9.7	16.7	15.9	16.3	22.8	22.6	22.7
4	12.3	10.6	11.6	9.6	9.3	9.5	16.4	15.7	16.1	22.7	21.6	22.3
5	10.6	9.0	9.6	9.7	8.9	9.4	17.0	16.2	16.6	21.6	20.5	21.1
6	9.0	7.9	8.2	9.7	9.0	9.4	16.9	16.2	16.5	20.5	20.0	20.2
7	7.9	7.3	7.5	10.0	9.2	9.6	16.3	15.3	15.7	20.8	19.8	20.3
8	7.9	7.3	7.6	10.5	9.7	10.0	15.7	14.8	15.3	22.2	20.8	21.4
9	8.7	7.4	8.0	12.0	10.5	11.1	16.5	15.2	15.8	24.1	22.2	23.1
10	9.4	8.2	8.7	12.9	12.0	12.6	16.6	16.2	16.4	25.3	24.1	24.8
11	9.7	9.0	9.4	13.1	12.8	12.9	17.5	16.4	16.9	25.6	24.9	25.2
12	9.9	9.0	9.5	13.1	12.5	12.7	18.4	17.3	17.8	25.4	24.8	25.1
13	9.8	9.1	9.5	12.8	12.2	12.5	18.6	18.1	18.4	25.4	24.8	25.0
14	9.7	8.9	9.2	12.8	12.2	12.5	19.5	18.6	19.0	24.8	23.8	24.3
15	9.4	8.7	9.1	13.6	12.5	12.9	20.4	19.5	19.9	24.0	23.0	23.4
16	9.7	8.9	9.3	14.9	13.6	14.1	21.4	20.4	20.9	23.5	22.5	23.0
17	9.7	9.4	9.6	15.1	14.7	14.9	22.5	21.4	21.9	23.6	22.8	23.3
18	9.6	8.8	9.2	15.0	14.7	14.8	23.7	22.4	22.9	23.5	22.8	23.2
19	9.3	8.5	9.0	14.8	14.2	14.4	23.8	23.3	23.6	22.8	21.8	22.4
20	9.8	9.1	9.5	14.2	13.4	13.8	24.0	23.6	23.9	21.8	21.3	21.6
21	10.4	9.8	10.1	14.0	13.1	13.6	24.1	23.4	23.6	21.3	20.6	20.9
22	10.9	10.4	10.6	13.1	12.4	12.7	23.5	22.4	22.8	20.6	20.0	20.3
23	11.1	10.7	10.9	12.7	12.0	12.4	22.4	21.3	21.8	21.1	19.9	20.5
24	10.9	10.6	10.8	12.7	11.8	12.3	21.3	20.4	20.7	21.5	20.5	21.0
25	10.7	10.2	10.5	13.5	12.4	12.9	20.4	19.7	20.0	22.5	21.1	21.8
26	10.8	10.1	10.5	14.5	13.3	13.8	19.7	19.4	19.6	25.2	22.3	23.3
27	10.9	10.1	10.6	15.1	14.5	14.8	20.0	19.3	19.6	24.6	23.2	24.0
28	10.1	9.7	9.9	15.6	14.9	15.3	20.6	20.0	20.3	25.4	23.9	24.7
29	---	---	---	15.9	15.0	15.5	21.1	20.6	20.9	25.8	24.7	25.3
30	---	---	---	15.9	15.2	15.5	21.7	20.9	21.2	25.8	24.8	25.4
31	---	---	---	15.8	15.3	15.5	---	---	---	26.1	25.1	25.6
MONTH	13.4	7.3	9.9	15.9	8.9	12.6	24.1	14.8	19.2	26.1	19.8	22.9

ROANOKE RIVER BASIN

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC--Continued

OXYGEN DISSOLVED, (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.2	9.8	10.0	10.6	10.2	10.4	---	---	---	7.2	6.9	7.0
2	10.0	9.8	9.9	10.3	10.1	10.2	---	---	---	7.1	6.9	7.0
3	10.0	9.7	9.9	10.2	9.6	9.8	---	---	---	7.0	6.7	6.8
4	10.1	9.7	9.9	10.0	9.6	9.8	---	---	---	7.0	6.6	6.8
5	10.6	10.0	10.3	9.8	9.4	9.6	---	---	---	7.0	6.8	6.9
6	11.1	10.5	10.9	---	---	---	---	---	---	7.1	6.8	7.0
7	11.3	11.0	11.2	---	---	---	7.2	6.9	7.1	7.4	7.1	7.3
8	11.3	11.1	11.2	---	---	---	7.6	7.2	7.5	7.4	7.1	7.3
9	11.4	11.0	11.2	---	---	---	7.8	7.3	7.6	7.4	7.0	7.2
10	11.1	10.6	10.8	---	---	---	7.7	7.5	7.6	7.2	6.8	6.9
11	10.8	10.5	10.6	---	---	---	7.6	7.4	7.5	6.8	6.6	6.7
12	10.8	10.3	10.6	---	---	---	7.4	7.1	7.3	7.1	6.6	6.8
13	10.7	10.3	10.5	---	---	---	7.2	6.9	7.1	7.5	6.7	7.1
14	10.8	10.3	10.6	---	---	---	7.2	6.7	6.9	7.5	7.2	7.4
15	11.0	10.5	10.8	---	---	---	7.0	6.6	6.8	7.8	7.2	7.5
16	11.1	10.8	10.9	---	---	---	6.9	6.2	6.7	7.8	7.5	7.7
17	10.9	10.6	10.8	---	---	---	6.6	6.2	6.4	7.9	7.5	7.7
18	11.0	10.6	10.8	---	---	---	6.5	5.9	6.2	7.8	7.3	7.6
19	11.2	10.8	11.0	---	---	---	6.4	5.9	6.2	7.6	7.3	7.5
20	11.0	10.7	10.8	---	---	---	6.3	5.8	6.1	7.9	7.5	7.7
21	11.1	10.6	10.8	---	---	---	6.4	6.0	6.3	8.1	7.7	8.0
22	11.0	10.7	10.8	---	---	---	6.6	6.1	6.4	8.4	7.9	8.2
23	10.8	10.4	10.6	---	---	---	6.7	6.3	6.5	8.3	8.1	8.3
24	10.7	10.3	10.5	---	---	---	6.9	6.5	6.7	8.3	8.1	8.2
25	10.8	10.4	10.6	---	---	---	7.0	6.7	6.8	8.4	8.1	8.3
26	10.9	10.5	10.7	---	---	---	7.4	6.8	7.1	8.1	7.8	8.0
27	10.8	10.6	10.7	---	---	---	7.4	7.1	7.3	8.0	7.6	7.9
28	10.8	10.4	10.6	---	---	---	7.1	6.9	7.0	8.1	7.6	7.8
29	---	---	---	---	---	---	7.2	6.9	7.0	8.1	7.6	7.8
30	---	---	---	---	---	---	7.3	7.0	7.2	8.1	7.6	7.8
31	---	---	---	---	---	---	---	---	---	8.2	7.5	8.0
MONTH	11.4	9.7	10.6	---	---	---	---	---	---	8.4	6.6	7.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.9	7.3	7.6	8.9	7.7	8.4	8.6	7.8	8.3	6.6	6.5	6.6
2	7.6	7.2	7.4	8.9	8.0	8.5	8.8	7.9	8.3	7.0	6.6	6.9
3	7.8	7.3	7.5	8.7	7.7	8.3	8.6	7.8	8.1	6.8	6.5	6.7
4	7.6	7.2	7.4	8.2	7.1	7.5	8.2	7.2	7.8	7.0	6.5	6.8
5	7.6	7.1	7.4	7.3	6.9	7.1	7.6	7.1	7.4	7.3	6.9	7.1
6	7.8	7.1	7.4	7.4	6.7	7.0	7.3	6.8	7.0	7.3	7.0	7.1
7	7.5	7.0	7.2	7.4	6.6	7.0	7.3	6.5	6.9	7.6	7.0	7.3
8	7.4	6.7	7.0	7.7	6.8	7.2	7.6	6.9	7.2	7.7	7.3	7.5
9	7.6	7.0	7.3	8.4	7.2	7.8	7.6	6.9	7.3	7.7	7.2	7.5
10	7.4	6.7	7.0	8.1	7.4	7.8	7.6	6.9	7.3	7.5	7.2	7.3
11	7.9	6.8	7.3	7.8	7.1	7.3	7.7	7.1	7.4	7.6	7.2	7.4
12	7.8	7.2	7.5	7.6	6.8	7.2	7.6	7.0	7.3	7.8	7.2	7.5
13	8.1	7.1	7.6	7.7	7.2	7.4	---	---	---	7.9	7.4	7.7
14	7.7	7.1	7.4	7.6	7.3	7.5	---	---	---	7.8	7.5	7.6
15	7.4	6.9	7.2	7.8	7.2	7.5	---	---	---	7.5	7.2	7.3
16	7.4	6.7	7.0	8.3	7.4	7.8	---	---	---	7.2	6.9	7.0
17	7.9	6.9	7.3	8.5	7.8	8.1	---	---	---	7.0	6.7	6.9
18	7.5	6.9	7.2	8.3	7.7	8.0	---	---	---	6.9	6.6	6.8
19	7.4	6.7	7.0	8.0	7.6	7.8	---	---	---	6.8	6.4	6.6
20	7.2	6.6	6.9	8.0	7.5	7.8	---	---	---	6.6	6.2	6.5
21	7.3	6.6	7.0	8.1	7.5	7.8	7.8	6.9	7.4	7.0	6.6	6.8
22	7.3	6.7	7.0	8.5	7.7	8.1	8.1	7.0	7.6	7.1	6.6	6.8
23	7.4	6.8	7.0	8.7	7.9	8.3	8.1	7.3	7.7	6.9	6.6	6.8
24	8.4	6.5	7.4	8.5	7.9	8.0	8.1	7.3	7.7	7.2	6.7	7.0
25	9.0	7.4	8.3	8.0	7.5	7.7	7.9	7.2	7.6	7.2	6.8	7.0
26	8.8	7.9	8.4	8.0	7.6	7.8	7.6	6.8	7.1	7.1	6.8	7.0
27	8.4	7.8	8.2	8.0	7.7	7.8	6.8	6.4	6.6	7.1	6.8	7.0
28	8.3	7.5	7.9	8.2	7.6	7.8	6.6	6.3	6.4	7.1	6.9	7.0
29	8.1	7.2	7.7	8.5	7.7	8.1	6.4	6.2	6.3	7.1	6.8	6.9
30	8.8	7.3	8.0	8.9	8.0	8.5	6.5	6.2	6.4	7.0	6.7	6.8
31	---	---	---	8.9	8.3	8.6	6.5	6.3	6.4	---	---	---
MONTH	9.0	6.5	7.4	8.9	6.6	7.8	---	---	---	7.9	6.2	7.0

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	90	87	88	---	---	---	---	---	---
2	---	---	---	90	88	89	---	---	---	---	---	---
3	87	82	84	90	89	90	---	---	---	---	---	---
4	88	84	86	91	89	90	---	---	---	---	---	---
5	89	85	87	90	88	89	---	---	---	---	---	---
6	88	83	85	90	88	89	---	---	---	---	---	---
7	88	85	87	91	88	90	---	---	---	---	---	---
8	87	82	85	92	89	91	---	---	---	---	---	---
9	87	82	84	93	91	92	---	---	---	---	---	---
10	87	83	85	94	91	92	---	---	---	---	---	---
11	89	85	87	93	91	92	---	---	---	---	---	---
12	89	86	87	93	91	92	---	---	---	---	---	---
13	90	87	88	94	91	92	---	---	---	---	---	---
14	87	83	85	95	92	93	---	---	---	---	---	---
15	87	84	85	95	93	94	---	---	---	---	---	---
16	85	83	84	96	94	95	---	---	---	---	---	---
17	85	82	83	96	94	95	---	---	---	---	---	---
18	85	82	83	96	94	95	---	---	---	97	94	95
19	88	83	85	96	94	95	---	---	---	96	93	94
20	89	83	85	96	94	94	---	---	---	95	92	94
21	88	82	85	95	93	94	---	---	---	94	90	92
22	87	84	85	96	93	94	---	---	---	92	90	91
23	89	83	86	96	94	95	---	---	---	91	89	90
24	88	84	85	96	95	95	---	---	---	94	90	92
25	87	85	86	98	96	96	---	---	---	95	91	93
26	86	84	85	98	95	96	---	---	---	93	89	91
27	85	83	84	97	94	95	---	---	---	91	88	89
28	86	83	84	---	---	---	---	---	---	92	88	90
29	86	84	85	---	---	---	---	---	---	94	89	92
30	88	85	87	---	---	---	---	---	---	97	92	94
31	89	86	88	---	---	---	---	---	---	97	94	95
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	96	92	95	93	90	92	---	---	---	82	78	80
2	96	93	94	91	88	89	---	---	---	82	80	81
3	94	92	93	89	85	86	---	---	---	81	78	79
4	93	90	91	87	84	86	---	---	---	80	76	78
5	92	89	90	86	82	84	---	---	---	79	77	78
6	94	90	92	---	---	---	---	---	---	79	76	77
7	95	92	93	---	---	---	73	70	71	83	78	81
8	96	92	94	---	---	---	77	72	75	85	80	83
9	97	93	95	---	---	---	79	73	76	87	82	85
10	95	92	93	---	---	---	79	77	78	86	81	84
11	95	91	93	---	---	---	79	76	78	83	80	82
12	96	89	93	---	---	---	78	74	77	87	80	83
13	94	90	92	---	---	---	78	73	76	91	81	86
14	94	90	92	---	---	---	77	72	75	90	85	88
15	96	91	94	---	---	---	77	72	74	92	85	88
16	97	93	95	---	---	---	77	70	75	92	87	90
17	96	93	95	---	---	---	75	71	73	93	87	91
18	96	92	94	---	---	---	76	69	73	92	85	89
19	97	93	95	---	---	---	75	69	73	87	85	86
20	96	93	94	---	---	---	76	69	72	90	85	87
21	99	94	96	---	---	---	76	71	74	91	86	89
22	98	96	97	---	---	---	76	72	75	94	88	91
23	98	94	96	---	---	---	76	72	74	94	89	92
24	97	93	95	---	---	---	77	73	75	94	90	92
25	97	93	95	---	---	---	77	74	75	97	92	95
26	98	94	96	---	---	---	80	75	78	97	91	94
27	98	95	96	---	---	---	81	79	79	97	89	94
28	96	92	94	---	---	---	79	76	78	99	90	95
29	---	---	---	---	---	---	81	77	79	100	91	95
30	---	---	---	---	---	---	83	79	81	100	92	96
31	---	---	---	---	---	---	---	---	---	102	92	98
MONTH	99	89	94	---	---	---	---	---	---	102	76	87

ROANOKE RIVER BASIN

0208102855 ROANOKE RIVER ABOVE SECONDARY ROAD 1100 NEAR GRABTOWN, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	97	90	94	116	99	108	117	106	112	80	79	80
2	96	88	92	117	103	110	118	106	112	85	80	83
3	98	90	94	114	100	108	116	104	109	82	79	80
4	97	89	93	107	92	99	111	96	104	86	79	82
5	97	88	93	96	89	93	101	94	98	92	84	88
6	101	90	95	97	87	92	98	89	92	92	87	90
7	97	88	91	97	85	91	95	84	91	96	87	92
8	92	82	87	100	86	93	98	88	93	96	91	94
9	94	86	90	108	92	99	97	88	93	96	89	93
10	91	82	85	104	95	100	96	87	92	93	89	91
11	98	84	90	100	91	94	98	88	93	95	88	91
12	99	89	94	98	86	92	97	88	93	96	89	93
13	105	90	96	98	91	94	---	---	---	97	91	95
14	99	90	95	97	92	95	---	---	---	96	92	94
15	96	87	92	99	91	95	---	---	---	92	88	90
16	95	84	90	107	94	100	---	---	---	88	84	86
17	102	88	94	111	100	105	---	---	---	86	82	84
18	94	87	91	108	99	104	---	---	---	85	81	83
19	94	84	89	107	98	103	---	---	---	84	79	81
20	91	83	87	107	99	102	---	---	---	81	76	79
21	92	83	88	106	98	102	104	92	99	87	81	84
22	92	84	88	112	100	106	108	92	101	88	81	84
23	93	84	89	114	103	109	108	96	102	86	82	84
24	108	82	94	111	102	105	108	96	102	89	83	86
25	118	94	107	105	97	100	105	94	100	88	83	86
26	114	102	108	103	98	100	102	89	94	86	82	85
27	110	101	106	104	98	101	90	84	86	86	82	84
28	107	97	102	106	96	101	86	80	83	87	83	85
29	104	91	99	111	100	105	81	78	80	87	83	84
30	114	93	102	120	105	112	80	77	79	86	81	83
31	---	---	---	120	111	116	79	76	78	---	---	---
MONTH	118	82	94	120	85	101	---	---	---	97	76	86