

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to 1973, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1998 to current year.

pH: March 1998 to current year.

WATER TEMPERATURE: March 1998 to current year.

DISSOLVED OXYGEN: March 1998 to current year.

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

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from March 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. Partial record site from October 1967 to September 1973. 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	194, March 1, 2001	52, September 17, 1999
pH, standard units	7.8, January 4, 5, 2001	6.1, September 17, 1999
WATER TEMPERATURE, °C	30.7, August 2, 1999	2.1, January 3, 2001
DISSOLVED OXYGEN, mg/L	15.5, January 6, 7, 1999	3.5, September 23, 24 1999
DISSOLVED OXYGEN, PERCENT SATURATION,%	123, January 6,7, 1999	38, September 23, 1999

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	194, March 1	108, July 28
pH, standard units	7.8, January 4, 5	6.2, January 9
WATER TEMPERATURE, °C	29.9, August 11	2.1, January 3
DISSOLVED OXYGEN, mg/L	12.3, January 3, 4, 5, 29	4.0, June 18, 19
DISSOLVED OXYGEN, PERCENT SATURATION,%	98, January 30	47, June 19

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	116	110	113	134	124	131	141	132	138	134	118	123
2	117	109	113	125	116	120	141	138	140	135	131	134
3	118	110	113	131	117	124	140	116	126	135	134	134
4	123	118	120	131	114	120	133	115	121	134	119	126
5	---	---	---	124	114	118	142	133	138	126	115	118
6	139	131	134	132	117	127	138	135	135	132	119	126
7	142	139	141	132	117	123	136	134	135	132	122	129
8	145	125	134	133	129	131	140	125	136	142	120	125
9	145	121	138	153	129	133	138	123	128	155	142	145
10	138	118	125	138	124	130	137	120	127	---	---	---
11	137	119	134	132	123	128	133	117	122	143	141	142
12	137	119	127	132	121	125	132	120	126	154	143	145
13	138	115	125	136	127	134	138	127	135	157	144	146
14	141	115	130	137	133	134	135	125	128	155	135	144
15	136	123	130	133	129	130	143	135	139	160	136	142
16	143	136	142	132	130	131	139	131	135	153	128	134
17	142	135	138	134	132	133	147	137	143	157	137	142
18	137	128	134	133	121	127	148	143	146	168	125	139
19	139	128	135	132	123	128	147	134	140	146	125	135
20	141	134	138	134	121	128	136	128	134	133	125	129
21	139	134	137	130	117	123	142	124	134	139	133	136
22	139	124	130	123	115	118	133	124	128	137	131	134
23	140	129	136	133	115	121	132	124	129	141	132	134
24	141	132	138	138	133	136	137	130	134	132	129	130
25	136	121	132	135	131	133	135	127	129	133	119	128
26	131	115	120	133	126	131	144	135	142	133	117	121
27	131	120	124	130	125	127	144	138	141	137	132	135
28	140	124	134	129	120	124	138	124	133	132	118	122
29	141	137	140	133	126	132	135	117	122	129	119	123
30	138	136	137	133	123	127	119	116	117	138	121	125
31	137	134	136	---	---	---	125	117	117	132	125	129
MONTH	---	---	---	153	114	128	148	115	132	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	142	127	135	194	141	167	123	120	121	---	---	---
2	154	125	137	159	141	149	126	120	122	---	---	---
3	146	133	138	153	136	142	122	112	118	---	---	---
4	147	129	136	161	137	151	112	110	111	---	---	---
5	167	129	141	152	137	142	112	109	111	---	---	---
6	150	129	138	155	142	150	112	110	111	---	---	---
7	154	130	141	146	123	139	113	111	112	---	---	---
8	154	134	143	123	121	121	113	111	112	149	146	147
9	156	134	143	140	122	130	113	111	112	148	145	146
10	163	140	152	148	127	137	112	109	111	---	---	---
11	155	141	148	142	128	133	110	109	109	---	---	---
12	150	134	141	151	129	141	111	109	110	---	---	---
13	193	136	151	149	129	144	111	110	111	---	---	---
14	155	131	141	145	122	128	111	111	111	---	---	---
15	162	129	138	143	125	133	112	111	112	---	---	---
16	157	131	141	147	130	136	115	112	113	---	---	---
17	164	146	153	144	133	138	120	115	118	---	---	---
18	160	143	151	156	132	142	122	120	121	---	---	---
19	154	130	145	140	131	134	124	121	123	---	---	---
20	150	128	138	147	140	145	124	123	124	---	---	---
21	152	129	144	146	136	142	125	123	124	---	---	---
22	162	128	143	137	126	130	125	123	124	---	---	---
23	155	132	144	131	127	128	123	122	123	---	---	---
24	152	128	135	132	124	127	129	122	125	---	---	---
25	135	128	132	132	126	129	129	128	129	---	---	---
26	165	129	141	128	124	126	129	128	128	---	---	---
27	176	147	159	128	121	125	130	128	129	---	---	---
28	159	136	147	127	121	124	133	129	130	---	---	---
29	---	---	---	125	121	123	133	131	131	---	---	---
30	---	---	---	122	120	121	133	132	133	---	---	---
31	---	---	---	128	122	124	---	---	---	---	---	---
MONTH	193	125	143	194	120	136	133	109	119	---	---	---

## ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	129	127	128	130	111	122	119	117	118	133	124	127
2	129	127	128	128	114	121	121	117	119	138	123	128
3	128	124	126	119	112	116	127	120	125	137	121	126
4	127	126	126	127	118	123	126	121	124	145	130	140
5	128	126	127	128	120	125	126	119	123	146	144	145
6	128	124	126	124	111	117	125	115	120	147	145	146
7	124	113	117	123	111	116	124	112	118	148	145	146
8	126	113	119	125	112	119	129	113	120	147	131	140
9	132	126	130	118	115	116	128	116	119	142	128	135
10	140	132	136	130	113	125	132	116	124	133	119	123
11	141	138	140	122	110	113	134	117	122	144	128	140
12	145	138	140	123	111	114	137	133	136	134	120	125
13	148	145	147	123	111	114	133	125	129	133	115	119
14	154	148	150	122	112	115	135	125	130	130	119	124
15	155	150	153	123	113	115	135	132	133	132	119	125
16	150	122	135	116	113	114	136	126	131	138	124	129
17	122	111	113	133	116	128	142	136	139	139	130	135
18	116	111	113	133	131	132	143	133	141	139	138	139
19	---	---	---	134	130	132	133	114	122	139	138	138
20	---	---	---	134	122	127	134	120	127	140	130	137
21	---	---	---	136	133	135	135	133	134	140	128	134
22	---	---	---	135	125	129	135	118	126	129	124	128
23	---	---	---	135	130	133	141	130	134	143	123	134
24	---	---	---	131	118	127	142	126	134	147	128	140
25	---	---	---	125	112	118	144	140	142	146	128	139
26	120	109	115	119	111	114	141	126	138	141	117	121
27	121	111	115	118	109	112	130	122	123	118	116	117
28	124	110	115	116	108	111	142	130	139	138	118	126
29	126	111	117	119	116	117	141	126	134	140	125	131
30	124	111	117	119	115	117	140	130	137	143	135	139
31	---	---	---	120	117	118	141	128	138	---	---	---
MONTH	---	---	---	136	108	120	144	112	129	148	115	133

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.9	7.3	7.2	7.2	7.3	7.3	7.3	7.6	7.5	7.6
2	6.9	6.7	6.8	7.3	7.2	7.2	7.4	7.3	7.3	7.6	7.5	7.6
3	7.0	6.8	6.9	7.3	7.2	7.2	7.4	7.3	7.4	7.7	7.5	7.6
4	7.1	6.7	6.9	7.2	7.2	7.2	7.4	7.4	7.4	7.8	7.6	7.7
5	---	---	---	7.3	7.2	7.3	7.4	7.3	7.4	7.8	7.6	7.7
6	7.1	7.0	7.0	7.4	7.3	7.3	7.3	7.3	7.3	7.6	7.2	7.4
7	7.1	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.2	6.9	7.0
8	7.1	7.0	7.1	7.3	7.3	7.3	7.4	7.3	7.3	6.9	6.6	6.8
9	7.1	7.1	7.1	7.3	7.3	7.3	7.4	7.3	7.4	6.6	6.2	6.5
10	7.1	7.1	7.1	7.3	7.2	7.3	7.4	7.3	7.4	---	---	---
11	7.1	7.1	7.1	7.3	7.3	7.3	7.4	7.3	7.4	---	---	---
12	7.2	7.1	7.1	7.3	7.3	7.3	7.4	7.3	7.4	---	---	---
13	7.2	7.1	7.1	7.3	7.3	7.3	7.3	7.3	7.3	---	---	---
14	7.2	7.1	7.1	7.3	7.3	7.3	7.4	7.3	7.3	---	---	---
15	7.2	7.1	7.1	7.3	7.3	7.3	7.4	7.3	7.4	---	---	---
16	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.4	7.4	---	---	---
17	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.3	7.4	---	---	---
18	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.3	7.3	---	---	---
19	7.2	7.1	7.2	7.3	7.2	7.3	7.3	7.2	7.3	---	---	---
20	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.2	7.3	---	---	---
21	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.3	7.4	---	---	---
22	7.2	7.2	7.2	7.3	7.2	7.3	7.6	7.4	7.4	---	---	---
23	7.2	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	---	---	---
24	7.2	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	---	---	---
25	7.2	7.2	7.2	7.4	7.3	7.3	7.4	7.4	7.4	---	---	---
26	7.2	7.2	7.2	7.4	7.3	7.4	7.5	7.4	7.4	---	---	---
27	7.2	7.2	7.2	7.4	7.3	7.3	7.5	7.3	7.4	---	---	---
28	7.2	7.2	7.2	7.3	7.3	7.3	7.5	7.4	7.5	---	---	---
29	7.2	7.2	7.2	7.3	7.3	7.3	7.6	7.5	7.6	---	---	---
30	7.2	7.2	7.2	7.3	7.3	7.3	7.7	7.6	7.6	---	---	---
31	7.2	7.2	7.2	---	---	---	7.7	7.6	7.6	---	---	---
MONTH	---	---	---	7.4	7.2	7.3	7.7	7.2	7.4	---	---	---

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
3	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
4	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
5	---	---	---	---	---	---	---	---	---	7.1	7.0	7.0
6	---	---	---	---	---	---	---	---	---	7.1	7.0	7.0
7	---	---	---	---	---	---	---	---	---	7.2	7.0	7.0
8	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
9	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
10	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
11	---	---	---	---	---	---	---	---	---	7.1	7.1	7.1
12	---	---	---	---	---	---	---	---	---	7.1	7.0	7.0
13	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
14	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
15	---	---	---	---	---	---	---	---	---	7.2	7.0	7.0
16	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
17	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
18	---	---	---	---	---	---	---	---	---	7.1	7.1	7.1
19	---	---	---	---	---	---	---	---	---	7.1	7.1	7.1
20	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
21	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
22	---	---	---	---	---	---	---	---	---	7.1	7.0	7.0
23	---	---	---	---	---	---	---	---	---	7.1	7.0	7.0
24	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
25	---	---	---	---	---	---	---	---	---	7.2	7.0	7.1
26	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
27	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
28	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
29	---	---	---	---	---	---	---	---	---	7.2	7.0	7.1
30	---	---	---	---	---	---	---	---	---	7.1	7.1	7.1
31	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

## ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.6	20.9	21.1	16.3	15.4	15.8	9.2	8.7	9.0	3.2	2.6	2.9
2	21.3	20.8	21.1	16.2	15.7	15.9	8.7	8.2	8.5	2.9	2.4	2.6
3	22.1	21.0	21.5	16.2	15.4	15.8	8.2	6.6	7.4	2.8	2.1	2.5
4	22.6	21.5	22.0	16.7	15.8	16.3	6.6	5.4	6.1	2.8	2.4	2.6
5	---	---	---	16.4	16.0	16.2	5.8	5.0	5.4	2.9	2.5	2.7
6	24.1	22.7	23.4	16.4	15.5	15.9	5.8	5.2	5.5	3.1	2.2	2.7
7	23.5	22.6	23.1	15.6	15.2	15.4	6.8	5.7	6.2	3.3	2.7	3.0
8	22.7	20.7	21.7	15.8	15.1	15.4	7.4	6.5	6.9	3.9	3.3	3.6
9	20.7	18.9	19.7	17.0	15.6	16.4	7.5	7.2	7.3	4.2	3.7	3.9
10	18.9	17.3	18.1	17.4	17.0	17.2	7.4	7.1	7.3	---	---	---
11	18.2	17.1	17.6	17.1	16.1	16.4	7.3	7.1	7.2	4.1	3.1	3.6
12	18.8	17.5	18.2	16.1	15.0	15.5	7.7	7.3	7.5	4.6	3.9	4.2
13	18.7	17.7	18.3	15.1	14.5	14.8	7.4	7.1	7.3	5.3	4.3	4.8
14	18.5	18.1	18.3	14.9	14.2	14.6	7.6	7.4	7.5	5.9	5.0	5.5
15	19.0	18.1	18.5	14.2	13.2	13.8	7.6	6.9	7.3	6.0	5.5	5.7
16	19.4	18.1	18.7	13.3	12.8	13.0	7.7	7.0	7.5	6.5	5.6	6.0
17	19.5	18.6	19.0	12.9	12.7	12.8	8.8	7.7	8.4	6.4	5.7	6.1
18	19.9	19.0	19.4	12.9	12.4	12.6	8.4	7.6	8.1	6.2	5.6	5.9
19	19.6	18.8	19.1	12.5	11.7	12.1	7.8	7.4	7.6	6.5	5.5	5.9
20	19.1	18.3	18.7	11.7	11.3	11.5	7.6	5.9	6.7	6.8	6.5	6.6
21	18.7	18.1	18.4	11.5	10.7	11.0	6.3	5.7	5.9	6.5	5.6	6.1
22	19.1	18.5	18.8	10.8	9.7	10.2	6.4	5.9	6.1	5.8	5.1	5.5
23	19.3	18.4	18.8	9.7	8.5	9.2	5.9	5.4	5.6	5.2	4.7	5.0
24	18.8	17.9	18.3	8.6	8.1	8.4	5.4	4.7	5.0	5.0	4.3	4.6
25	18.5	17.9	18.2	9.1	8.0	8.4	4.7	3.5	4.2	5.1	4.7	4.9
26	18.6	17.8	18.1	9.8	9.1	9.6	3.5	2.8	3.2	5.2	4.5	4.8
27	18.7	18.2	18.5	10.2	9.8	10.0	4.1	3.2	3.6	4.9	4.5	4.7
28	19.0	18.2	18.6	10.4	9.9	10.1	4.3	3.8	4.0	5.3	4.6	4.9
29	18.4	17.2	17.9	10.1	9.7	9.9	4.4	4.0	4.2	5.5	4.6	4.9
30	17.2	16.1	16.8	9.8	9.2	9.6	4.4	3.7	4.0	6.5	4.9	5.5
31	16.1	15.5	15.8	---	---	---	3.7	3.0	3.3	7.1	6.1	6.6
MONTH	---	---	---	17.4	8.0	13.1	9.2	2.8	6.3	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.4	6.7	9.7	9.0	9.3	12.4	11.9	12.1	18.5	16.7	17.6
2	6.8	6.5	6.6	9.4	8.8	9.0	12.2	11.2	11.7	19.4	17.4	18.3
3	6.6	5.6	5.9	9.3	8.4	8.9	12.0	11.5	11.7	20.3	18.2	19.2
4	5.9	5.5	5.6	9.3	9.1	9.2	11.9	11.2	11.4	20.7	18.9	19.9
5	6.2	5.3	5.8	9.7	9.0	9.4	11.9	11.3	11.6	21.0	19.2	20.1
6	6.4	5.9	6.2	9.0	7.8	8.4	12.5	11.6	12.0	20.9	19.5	20.0
7	7.0	6.3	6.7	8.0	7.3	7.7	13.3	12.1	12.6	20.2	18.4	19.2
8	7.5	6.7	7.0	8.5	7.8	8.1	13.8	12.9	13.3	19.6	18.1	18.8
9	8.7	7.1	7.9	8.6	8.0	8.3	14.7	13.3	13.9	20.7	18.3	19.4
10	8.8	8.4	8.7	8.9	7.8	8.4	14.9	14.5	14.7	21.2	19.3	20.2
11	8.8	7.7	8.3	9.2	8.3	8.8	14.8	14.5	14.6	21.0	19.8	20.4
12	8.2	7.6	7.9	9.9	8.9	9.5	15.2	13.8	14.4	21.7	20.4	21.0
13	7.8	7.0	7.4	11.4	9.7	10.5	15.2	14.8	15.0	21.9	21.0	21.3
14	7.9	7.1	7.5	11.1	10.1	10.6	15.5	14.8	15.1	21.1	20.1	20.6
15	9.1	7.9	8.5	11.4	10.8	11.1	16.2	15.5	15.9	20.8	19.9	20.4
16	9.6	9.0	9.3	11.3	10.5	10.9	16.5	16.2	16.3	20.3	19.3	19.9
17	10.2	9.5	9.8	11.2	10.2	10.7	16.5	15.7	16.2	20.1	19.3	19.5
18	9.5	8.3	8.9	11.3	10.6	11.0	15.7	14.5	15.1	20.1	19.3	19.6
19	8.3	7.6	7.9	12.1	10.9	11.5	14.6	14.1	14.4	21.3	19.8	20.5
20	8.3	7.3	7.7	11.5	10.7	11.2	15.0	14.4	14.7	22.4	21.3	21.8
21	9.2	8.2	8.7	11.3	10.3	10.7	15.5	14.5	15.0	22.5	22.1	22.2
22	9.2	7.8	8.6	11.4	10.3	10.9	16.1	15.1	15.7	22.3	21.7	22.0
23	8.0	7.3	7.6	12.2	11.2	11.6	17.1	15.9	16.6	22.5	21.4	22.0
24	7.9	7.4	7.6	12.4	11.1	11.7	18.2	16.9	17.6	23.6	22.2	22.8
25	8.5	7.4	7.9	11.9	11.1	11.5	18.3	17.3	17.9	24.2	22.5	23.4
26	9.9	8.5	9.1	11.5	10.9	11.2	17.4	16.8	17.2	23.4	22.2	22.7
27	10.3	9.2	9.7	11.1	10.7	10.9	16.9	16.2	16.6	23.3	21.6	22.4
28	10.0	9.6	9.8	11.1	10.7	10.9	17.4	16.6	17.0	22.5	22.0	22.2
29	---	---	---	11.0	10.5	10.7	17.9	16.6	17.3	22.4	21.6	21.9
30	---	---	---	11.2	10.9	11.1	18.4	17.1	17.7	22.8	21.7	22.2
31	---	---	---	11.9	11.1	11.5	---	---	---	23.4	22.1	22.7
MONTH	10.3	5.3	7.8	12.4	7.3	10.2	18.4	11.2	14.8	24.2	16.7	20.8

ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.4	22.3	22.8	27.9	26.5	27.4	26.0	24.9	25.4	28.1	27.1	27.4
2	22.7	22.0	22.4	27.1	26.4	26.7	26.6	25.6	26.1	27.6	26.8	27.2
3	22.6	21.9	22.2	26.8	26.2	26.5	26.7	26.1	26.4	27.6	26.9	27.3
4	23.2	22.5	22.8	27.1	25.9	26.5	27.1	26.1	26.6	27.2	26.7	27.0
5	23.4	22.7	23.1	27.6	26.6	27.0	27.6	26.0	26.8	27.3	26.3	26.8
6	23.4	22.9	23.1	27.9	27.2	27.5	27.9	26.8	27.3	27.3	26.1	26.7
7	23.5	22.6	23.0	27.9	26.9	27.4	27.7	26.8	27.3	27.1	26.2	26.7
8	23.9	22.8	23.5	27.4	26.7	27.0	28.1	27.4	27.6	27.1	26.3	26.7
9	24.3	23.6	23.9	27.1	26.1	26.6	29.0	27.2	28.1	27.1	26.3	26.7
10	23.6	23.4	23.5	28.0	26.6	27.3	29.3	28.6	29.0	26.8	25.9	26.4
11	24.1	23.6	23.9	27.5	27.0	27.3	29.9	28.9	29.3	27.1	26.5	26.8
12	24.2	23.7	23.9	27.1	25.8	26.7	29.2	28.4	28.8	26.4	25.8	26.1
13	24.2	23.7	23.9	27.1	25.8	26.7	29.2	28.4	28.8	26.4	25.8	26.1
14	24.6	23.7	24.1	26.1	25.1	25.6	28.4	28.0	28.2	26.1	24.8	25.5
15	23.8	22.8	23.3	26.4	25.4	25.9	28.5	28.1	28.4	24.8	23.7	24.0
16	23.2	22.8	23.0	27.2	25.9	26.5	29.3	27.9	28.6	23.8	22.8	23.1
17	23.3	22.9	23.1	28.6	26.5	27.5	29.2	28.6	28.9	23.2	22.5	22.8
18	24.1	23.3	23.7	27.7	26.8	27.3	29.1	28.4	28.7	23.7	22.7	23.1
19	24.7	23.9	24.2	27.0	26.4	26.6	28.4	27.2	27.6	23.9	23.2	23.5
20	25.0	24.0	24.6	26.6	25.8	26.3	28.5	27.7	28.0	23.8	23.5	23.7
21	25.1	24.5	24.8	26.2	25.3	25.8	28.0	27.0	27.4	24.2	23.1	23.7
22	26.0	25.0	25.6	26.5	25.5	26.0	28.0	27.1	27.6	24.3	23.5	23.9
23	26.0	25.0	25.5	27.0	26.1	26.6	28.5	27.7	28.1	25.2	24.2	24.7
24	25.6	24.8	25.1	27.5	26.3	26.9	28.4	27.5	28.0	25.2	24.5	24.9
25	25.6	24.6	25.1	27.1	26.1	26.5	27.5	27.1	27.3	24.5	23.6	24.1
26	26.3	25.5	25.9	26.9	26.0	26.5	28.0	26.6	27.3	23.6	22.6	22.9
27	26.3	25.2	25.7	26.6	26.0	26.2	28.1	27.0	27.6	22.9	22.3	22.6
28	26.1	25.2	25.5	26.0	25.4	25.6	28.4	27.6	28.0	22.4	21.4	22.1
29	26.6	25.5	26.0	25.4	25.0	25.3	28.2	27.7	28.1	21.6	20.7	21.3
30	27.9	26.4	26.9	25.0	24.4	24.7	28.5	27.6	28.0	20.7	19.9	20.4
31	---	---	---	25.3	24.3	24.8	28.6	28.1	28.3	---	---	---
MONTH	27.9	21.9	24.1	28.6	24.3	26.5	29.9	24.9	27.8	28.1	19.9	24.8

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.3	6.6	8.2	7.7	8.0	9.8	9.4	9.6	12.2	11.8	12.0
2	6.7	5.9	6.3	8.2	7.7	7.9	10.2	9.7	9.9	12.2	11.9	12.1
3	6.8	5.9	6.4	8.2	7.8	8.0	10.7	10.1	10.3	12.3	12.0	12.2
4	6.7	5.3	6.1	8.1	7.7	7.9	11.1	10.7	11.0	12.3	12.1	12.2
5	---	---	---	8.2	7.8	7.9	11.4	11.1	11.2	12.3	12.1	12.2
6	6.9	6.5	6.7	8.2	7.9	8.0	11.4	11.1	11.3	12.2	12.1	12.2
7	6.9	6.6	6.8	8.2	7.9	8.1	11.1	10.7	10.9	12.1	11.9	12.0
8	7.1	6.8	6.9	8.3	8.0	8.1	10.9	10.3	10.6	12.1	11.7	12.0
9	7.5	7.0	7.2	8.4	7.9	8.1	10.5	10.4	10.4	11.8	11.5	11.6
10	7.8	7.5	7.7	8.1	7.6	7.9	10.5	10.3	10.4	---	---	---
11	8.0	7.8	7.8	7.9	7.7	7.8	10.6	10.3	10.5	11.9	11.5	11.7
12	8.0	7.6	7.8	8.1	7.8	7.9	10.6	10.3	10.5	11.8	11.6	11.7
13	8.0	7.5	7.7	8.3	7.9	8.1	10.3	10.1	10.2	11.7	11.5	11.6
14	8.0	7.6	7.8	8.4	8.1	8.2	10.4	10.0	10.2	11.6	11.3	11.5
15	8.0	7.6	7.8	8.5	8.1	8.3	10.2	10.0	10.2	11.5	11.3	11.4
16	7.8	7.4	7.6	8.5	8.1	8.3	10.3	9.8	10.1	11.8	11.2	11.5
17	7.8	7.5	7.6	8.6	8.2	8.3	9.8	9.4	9.6	11.3	11.1	11.2
18	7.7	7.3	7.5	8.6	8.3	8.4	9.7	9.3	9.5	11.6	11.1	11.3
19	7.6	7.3	7.4	9.0	8.5	8.6	9.4	9.1	9.3	11.6	11.2	11.4
20	7.7	7.4	7.5	9.1	8.8	9.0	10.3	9.1	9.6	11.5	11.0	11.2
21	7.8	7.5	7.6	9.2	8.9	9.1	10.4	10.2	10.3	11.1	10.9	11.0
22	7.8	7.5	7.6	9.6	9.2	9.3	10.6	10.3	10.5	11.1	10.9	11.0
23	7.7	7.4	7.6	9.9	9.6	9.7	10.9	10.6	10.7	11.4	11.0	11.2
24	8.1	7.5	7.8	10.3	9.9	10.1	11.1	10.8	10.9	11.8	11.4	11.7
25	8.1	7.6	7.9	10.4	10.0	10.2	11.6	11.1	11.4	11.8	11.5	11.7
26	8.0	7.6	7.8	10.0	9.6	9.8	12.1	11.6	11.8	12.0	11.5	11.8
27	7.9	7.5	7.7	9.7	9.3	9.5	11.8	11.3	11.6	11.8	11.5	11.6
28	7.7	7.4	7.6	9.3	9.0	9.2	11.5	11.3	11.4	12.1	11.6	11.9
29	7.8	7.4	7.6	9.3	9.0	9.2	11.7	11.4	11.5	12.3	11.9	12.1
30	8.0	7.6	7.8	9.7	9.2	9.5	12.0	11.5	11.7	12.1	11.8	12.0
31	8.2	7.9	8.0	---	---	---	11.9	11.7	11.8	11.8	11.4	11.6
MONTH	---	---	---	10.4	7.6	8.6	12.1	9.1	10.6	---	---	---

## ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.5	11.3	11.4	9.7	9.0	9.3	9.2	8.8	9.0	8.4	7.6	8.0
2	11.5	11.1	11.3	9.5	9.1	9.2	9.0	8.5	8.8	7.9	7.4	7.6
3	11.7	11.2	11.4	9.5	9.2	9.3	9.2	8.8	8.9	7.8	7.3	7.5
4	11.7	11.4	11.5	9.4	8.7	9.0	8.9	8.7	8.8	7.8	7.1	7.3
5	11.8	11.3	11.6	9.4	8.7	9.1	8.9	8.7	8.8	7.9	7.0	7.4
6	11.7	11.3	11.5	9.1	8.7	9.0	8.8	8.7	8.8	8.0	6.9	7.4
7	11.4	11.1	11.2	9.9	9.1	9.5	8.8	8.6	8.7	8.0	7.0	7.5
8	11.4	11.0	11.2	10.2	9.9	10.1	8.7	8.5	8.6	7.7	6.8	7.3
9	11.3	10.5	11.0	10.1	9.8	10.0	8.6	8.4	8.5	7.8	6.8	7.3
10	11.0	10.5	10.7	10.3	9.7	10.0	8.5	8.2	8.3	7.7	7.0	7.3
11	10.9	10.5	10.7	10.1	9.6	9.9	---	---	---	7.4	6.7	7.0
12	10.9	10.2	10.7	10.0	9.6	9.8	---	---	---	7.3	6.3	6.8
13	11.1	10.3	10.7	9.7	9.1	9.3	---	---	---	7.3	6.3	6.8
14	11.1	10.8	11.0	10.1	9.2	9.8	---	---	---	7.4	6.2	6.8
15	10.9	10.6	10.7	9.6	9.0	9.3	---	---	---	7.4	5.9	6.6
16	10.7	10.0	10.5	9.3	9.0	9.1	---	---	---	7.5	6.7	7.1
17	10.0	9.5	9.8	9.6	9.1	9.3	---	---	---	7.5	6.6	7.0
18	9.9	9.5	9.8	9.6	9.0	9.3	---	---	---	7.4	6.7	7.0
19	10.2	9.7	9.9	9.4	8.5	9.1	---	---	---	7.4	6.8	7.0
20	10.7	10.0	10.3	8.8	8.5	8.6	---	---	---	7.2	6.8	7.0
21	10.6	10.1	10.3	9.3	8.8	9.0	---	---	---	7.3	6.4	6.8
22	10.3	9.7	10.0	9.4	8.8	9.2	---	---	---	7.3	6.3	6.7
23	10.1	9.5	9.8	8.9	8.5	8.6	---	---	---	7.3	6.8	7.1
24	10.4	10.1	10.3	9.3	8.7	9.1	---	---	---	7.3	6.7	7.0
25	10.3	10.0	10.2	9.2	8.8	9.0	8.4	7.7	8.1	7.6	6.7	7.1
26	10.2	9.2	9.9	9.2	8.8	9.1	8.2	7.7	7.9	7.6	6.9	7.2
27	9.3	9.0	9.2	9.7	8.8	9.4	8.0	7.8	7.9	7.6	7.0	7.2
28	9.5	8.8	9.2	9.8	9.2	9.6	8.5	7.8	8.1	7.2	6.9	7.1
29	---	---	---	9.8	9.5	9.7	8.4	7.8	8.0	7.7	6.9	7.2
30	---	---	---	9.7	9.3	9.6	8.4	7.7	8.0	7.4	7.1	7.2
31	---	---	---	9.3	8.9	9.2	---	---	---	7.6	7.0	7.3
MONTH	11.8	8.8	10.6	10.3	8.5	9.3	---	---	---	8.4	5.9	7.1
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.7	6.9	7.2	5.9	5.2	5.5	6.5	6.0	6.2	6.2	5.8	6.0
2	7.6	6.8	7.1	6.0	5.4	5.7	6.5	6.2	6.3	6.4	6.1	6.2
3	7.0	6.4	6.6	6.1	5.4	5.7	6.4	6.1	6.2	6.9	6.2	6.6
4	7.1	6.5	6.8	6.1	5.8	5.9	6.3	5.9	6.1	6.5	6.3	6.4
5	7.3	6.7	7.0	6.1	5.6	5.8	6.3	5.8	6.1	6.7	6.3	6.4
6	7.3	6.5	6.9	5.8	5.4	5.6	6.3	5.7	6.1	6.8	6.3	6.5
7	6.6	5.4	6.0	5.8	5.3	5.6	6.1	5.6	5.9	6.7	6.4	6.5
8	5.9	5.5	5.7	5.8	5.4	5.6	6.2	5.7	5.9	6.7	6.3	6.5
9	6.0	5.6	5.8	5.9	5.5	5.7	6.3	5.6	5.9	6.7	6.2	6.4
10	6.0	5.6	5.8	5.7	5.1	5.4	6.1	5.5	5.8	6.9	6.3	6.6
11	6.2	5.6	5.9	5.5	5.2	5.4	6.2	5.8	6.0	6.6	6.0	6.3
12	6.4	5.9	6.1	5.4	5.2	5.3	6.2	5.7	5.9	6.5	6.0	6.2
13	6.3	5.9	6.1	5.4	5.0	5.2	6.0	5.6	5.9	6.5	6.1	6.3
14	6.5	5.7	6.1	5.4	5.0	5.2	6.2	5.7	6.0	6.5	6.1	6.2
15	6.2	5.8	6.0	5.4	5.1	5.3	6.2	5.8	6.0	6.7	6.1	6.4
16	6.3	5.2	5.7	5.8	5.3	5.5	6.2	5.9	6.1	6.8	6.5	6.6
17	5.2	4.3	4.7	5.7	5.4	5.6	6.4	5.8	6.1	6.9	6.7	6.8
18	4.4	4.0	4.2	5.8	5.6	5.7	6.4	5.8	6.1	7.0	6.8	6.9
19	4.6	4.0	4.1	5.8	5.5	5.7	5.8	5.2	5.4	7.0	6.8	6.9
20	4.8	4.3	4.6	5.8	5.6	5.7	5.7	5.4	5.6	7.0	6.8	6.8
21	4.7	4.1	4.3	5.9	5.6	5.7	5.8	5.4	5.6	7.1	6.6	6.8
22	5.5	4.4	5.0	6.0	5.7	5.8	5.9	5.4	5.7	7.0	6.6	6.8
23	5.7	5.0	5.3	5.8	5.6	5.7	5.9	5.4	5.7	7.0	6.6	6.8
24	6.0	5.1	5.4	5.7	5.3	5.5	6.0	5.6	5.8	6.9	6.6	6.7
25	6.0	5.2	5.7	5.7	5.3	5.4	6.2	5.8	6.0	6.7	6.3	6.5
26	6.0	5.5	5.7	6.0	5.3	5.6	6.2	5.8	6.0	6.4	6.0	6.1
27	6.2	5.5	5.8	6.1	5.7	5.9	7.0	6.1	6.5	6.9	6.3	6.6
28	6.2	5.0	5.4	6.1	5.7	5.9	6.4	6.0	6.2	7.0	6.7	6.8
29	6.1	5.3	5.6	5.8	5.6	5.7	6.7	5.9	6.3	7.2	6.8	7.0
30	6.1	5.2	5.6	6.0	5.8	5.9	6.5	6.3	6.4	7.2	6.8	7.0
31	---	---	---	6.2	5.9	6.1	6.4	5.9	6.1	---	---	---
MONTH	7.7	4.0	5.7	6.2	5.0	5.6	7.0	5.2	6.0	7.2	5.8	6.6

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	78	69	74	83	79	81	85	82	84	91	88	89
2	75	67	71	84	78	80	87	84	85	90	88	89
3	77	67	73	84	78	81	87	85	86	91	88	89
4	76	61	70	83	79	81	90	87	88	91	89	90
5	---	---	---	84	79	81	90	87	89	91	89	90
6	81	77	79	84	80	81	91	89	89	91	88	90
7	81	78	80	82	79	81	90	88	89	91	88	90
8	81	76	79	83	80	82	89	85	87	92	89	91
9	81	76	79	84	82	83	88	86	87	90	87	89
10	83	81	82	84	80	82	88	86	87	---	---	---
11	85	81	82	82	79	80	88	85	87	89	87	88
12	85	81	83	81	79	80	88	86	87	92	89	90
13	86	79	83	82	79	80	86	84	85	92	90	91
14	86	81	83	83	79	81	87	83	85	92	90	91
15	85	81	83	82	78	80	85	83	84	92	90	91
16	83	80	81	81	78	79	86	82	84	96	90	93
17	84	80	82	82	78	79	83	80	82	92	89	90
18	83	79	82	82	78	79	82	79	80	92	90	91
19	82	79	80	83	79	80	79	76	78	94	89	92
20	83	79	81	84	81	82	82	76	79	94	89	92
21	83	80	81	83	81	82	83	82	83	90	87	89
22	84	80	82	85	82	83	86	83	85	89	87	88
23	83	80	81	86	84	85	86	85	86	89	86	88
24	86	80	84	88	85	87	87	85	86	92	88	91
25	86	81	84	89	87	87	88	86	87	93	89	91
26	86	80	82	88	85	86	90	87	88	94	89	92
27	85	81	83	86	83	85	89	86	88	92	89	90
28	83	79	81	83	80	82	88	86	87	95	90	94
29	82	79	80	82	80	81	91	88	89	97	93	95
30	83	79	81	85	81	83	91	88	89	98	93	95
31	83	80	81	---	---	---	91	88	89	97	93	95
MONTH	---	---	---	89	78	82	91	76	86	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	94	92	93	84	78	81	86	82	84	89	80	84
2	94	91	92	83	79	80	82	79	81	86	78	81
3	94	90	92	83	78	81	85	81	82	86	78	81
4	94	91	92	82	76	78	82	80	81	87	77	81
5	95	90	93	82	76	80	81	80	81	88	76	81
6	95	91	93	78	75	77	83	80	81	89	76	82
7	93	91	92	84	76	79	84	80	82	87	76	81
8	93	91	93	88	83	85	84	81	82	84	73	78
9	96	90	93	87	84	85	84	80	82	87	73	79
10	94	90	92	88	82	85	84	81	82	86	76	80
11	94	89	91	87	83	85	---	---	---	83	73	77
12	92	86	90	88	83	86	---	---	---	83	70	76
13	92	86	89	86	82	84	---	---	---	83	71	77
14	93	90	92	92	83	88	---	---	---	83	68	76
15	93	90	92	87	82	85	---	---	---	82	66	73
16	94	87	91	84	82	83	---	---	---	83	73	78
17	88	84	86	87	81	84	---	---	---	83	73	76
18	85	84	84	87	82	84	---	---	---	82	73	77
19	85	82	83	86	78	83	---	---	---	81	75	78
20	90	83	87	80	78	79	---	---	---	83	77	80
21	90	86	89	85	79	82	---	---	---	84	74	79
22	90	82	86	85	81	83	---	---	---	84	72	77
23	85	79	82	81	77	80	---	---	---	85	78	81
24	88	84	86	87	79	84	---	---	---	86	77	82
25	88	84	86	84	81	83	89	80	85	91	78	84
26	89	81	86	84	80	83	86	80	82	89	80	84
27	81	80	81	88	80	85	83	80	81	89	80	83
28	84	78	81	89	83	87	88	81	84	83	79	81
29	---	---	---	89	85	87	89	80	84	89	79	83
30	---	---	---	88	84	87	89	80	84	86	81	83
31	---	---	---	86	82	84	---	---	---	90	81	84
MONTH	96	78	89	92	75	83	---	---	---	91	66	80



## ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	91	80	84	75	66	70	80	73	76	79	74	76
2	88	78	83	76	67	71	81	76	78	82	76	79
3	80	74	77	76	67	71	80	75	78	88	79	83
4	83	75	79	77	72	74	79	73	76	82	79	80
5	86	77	82	76	71	73	80	72	76	84	78	81
6	85	76	81	74	68	71	79	72	77	86	79	82
7	78	63	70	74	66	71	77	71	75	84	80	82
8	70	64	67	73	67	70	80	72	76	84	79	81
9	71	66	69	75	68	71	81	71	76	84	77	80
10	71	66	68	71	65	68	80	71	76	87	78	82
11	74	66	71	69	65	68	82	75	79	82	75	79
12	76	70	73	68	66	67	81	74	77	82	74	77
13	75	71	72	68	62	66	79	73	76	81	75	78
14	78	68	73	66	61	64	80	74	78	80	74	77
15	74	68	71	68	62	65	80	75	78	80	73	76
16	74	61	67	73	65	69	82	76	79	79	76	78
17	61	51	55	73	69	71	84	76	80	81	78	79
18	52	48	49	73	70	72	83	74	79	82	80	81
19	55	47	49	73	68	71	75	67	69	83	80	81
20	59	51	55	73	70	71	73	69	71	83	80	81
21	57	49	52	73	68	70	73	69	71	84	77	81
22	68	54	61	74	69	71	76	69	72	83	78	81
23	71	61	65	73	70	71	77	69	73	83	80	81
24	74	62	66	72	67	69	78	72	75	84	80	82
25	74	64	69	72	66	68	78	74	76	80	75	78
26	74	67	70	75	66	70	80	72	76	76	69	72
27	76	68	71	76	71	73	90	77	83	80	73	77
28	76	61	66	76	70	73	82	77	80	80	76	79
29	76	65	69	71	68	70	86	76	81	82	76	79
30	78	64	70	72	70	71	84	80	82	80	76	78
31	---	---	---	75	71	73	82	76	79	---	---	---
MONTH	91	47	68	77	61	70	90	67	77	88	69	79