490 BROAD RIVER BASIN

02176585 BRICKYARD CREEK NEAR BEAUFORT, SC

LOCATION.--Lat 32°28'26'', long 80°41'34'', Beaufort County, Hydrologic Unit 03050208, on wood piling of channel marker #221 near main channel of Brickyard Creek (Intracoastal Waterway) near Beaufort Marine Corps Air Station. approximately 1.25 mi north of the confluence of Brickyard Creek and Albergotti Creek.

DRAINAGE AREA. -- Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD. -- May 2001 to current year.

GAGE.--Data Collection Platform and acoustic velocity meter. Elevation of gage is 5.0 ft below NGVD of 1929 (from topographic map).

REMARKS.--Records poor. During the rising side of the stage hydrograph, flows enter Brickyard Creek from the south from the Beaufort River. However, near the peak of the stage hydrograph the discharges at this site are influenced by flows from the north from the Coosaw River. During this period the index path velocity recorded by the AVM may not be representative of the cross-section. During high-tides bankfull capacity is exceeded at about 18 ft gage height and flow by-passes the gage. This by-passed flow cannot be measured and are not included in the discharage values shown herein. This site is strongly affected by astronomical tides. The astronomical tides occur at primary harmonic periods of 12.42 hours for semi-diurnal tides and 24.84 hours for diurnal tides. Computed 24-hour daily mean discharge for this site may be affected by aliasing due to tides and, thus, may contain spurious fluctuations or oscillations that are not indicative of net downstream discharge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,400 ft³/s, Jan. 16, 2003, maximum gage height, 22.15 ft, July 21, 2001; minimum discharge, -34,700, Aug. 18, 2001, minimum gage height, 8.72 ft, Feb. 13, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.11 ft, May 25; minimum gage height, 8.72 ft, Feb. 13.

Gage height, feet WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER		NOVEMBER			DECEMBER			JANUARY			
1	20.31	11.58	16.44	19.27	11.98	15.87				19.63	12.11	16.25
2	20.02	12.02	16.44	19.22	12.59	16.06				19.62	12.45	16.43
3	19.65	12.27	16.32	18.97	12.99	16.04				19.35	12.67	16.41
4	19.53	12.74	16.27	19.19	13.08	16.10				19.29	12.49	16.39
5	19.34	12.91	16.38	19.16	13.01	15.89				19.62	11.71	16.34
6	19.58	13.51	16.64	19.00	12.59	16.09						
7	19.48	13.70	16.73	18.84	12.15	15.94						
8	19.94	13.89	17.03	19.02	11.93	15.94						
9	19.88	13.08	17.02	19.53	12.34	16.71						
10	19.89	12.66	16.78							21.04	11.59	16.37
11	20.09	12.24	16.73									
12	20.56	12.15	16.89									
13	20.37	11.68	16.69							20.64	11.79	16.29
14	19.96	10.80	16.18									
15	20.45	10.63	16.06							19.91	11.78	16.41
16	20.17	10.78	15.85				20.76	10.98	16.64			
17	20.08	10.62	15.79				20.61	11.33	16.74			
18	20.13	11.35	16.04				20.40	10.14	16.73	19.49	12.56	16.38
19	19.69	11.24	15.80							19.51	11.93	16.47
20	19.60	11.58	15.81				19.33	10.17	15.50			
21	20.34	12.25	16.55				20.06	12.00	16.69			
22	20.90	12.92	17.31				20.33	12.16	16.99			
23	20.78	12.91	17.47				20.46	11.01	16.81			
24	20.85	12.44	17.35									
25	20.91	12.12	17.26				20.82	10.89	17.26			
26	20.91	12.15	17.19									
27	20.82	11.89	16.88				20.59	11.02	16.90			
28	20.65	11.75	16.71				20.50	11.24	16.83			
29	20.55	12.07	16.70				20.35	10.55	16.55			
30	20.21	11.94	16.48				19.91	9.63	16.20			
31	19.53	11.84	15.97				19.81	10.12	16.20			
MONTH	20.91	10.62	16.57									

02176585 BRICKYARD CREEK NEAR BEAUFORT, SC--Continued

Gage height, feet WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

				WATER Y	EAR OCTO	BER 2004	TO SEPTEM	BER 2005				
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUAR	Y		MARCH			APRIL			MAY	
1								11.90	16.40	20.50		16.62
2				18.29 18.52		14.82 15.48	18.32		15.11	20.45 20.75		17.06 17.35
4 5				19.18	11.69	15.78	19.29 19.81		15.96 16.29	21.06 21.78		17.52 17.84
6				19.40	10.43	15.86	20.41	10.11	16.55	21 46	12 07	17.38
7				19.59	11.25	15.98	20.98	11.25	16.66	21.46 21.28 21.36	11.63	17.00
8							20.87 21.23	10.62	16.55 16.57	21.15	11.96	16.88
10				20.40	10.00	15.92	21.14	11.50	16.89	20.70	12.37	16.84
11 12							20.89 20.82 20.55	11.34 11.95	16.77 16.78	20.47 20.36 19.94 19.98	12.56 12.69	16.73 16.60
13 14				 19.62	10.92	 15.65	20.55 20.16	12.22 13.66	16.67 17.00	19.94	12.84 13.63	
15				19.78	12.46	16.37						
16	18.66	12.02	15.58	19.71	12.29	16.48				19.38	13.31	16.49
17 18			15.91 15.87	19.71 19.73 19.49	13.38	16.69	20.20 19.76			19.38 19.33 19.84	13.07 13.30	16.68 17.13
19 20	18.80 18.71	11.65 11.54	15.71 15.67	19.41 19.56	13.63 12.56	16.79 16.63	19.02 19.07	12.42 11.56	16.29 16.19	20.25 20.24		17.21 17.00
21				18.96	12.52	16.25	19.48	10.90	16.17	21.35	12.39	17.15
22 23	18.97 19.61		15.52 16.10	18.96 19.60	12.33	16.65	19.48 20.01 19.72	11.23 10.80	16.28 16.03	21.35 21.53 21.09	12.26 11.19	17.42 16.65
24	20.26	11.51	16.42	19.42	10.55	15.84	20.15	10.58	15.74	21.89	11.54	16.92
25				20.35	10.17	16.42	20.67	11.12	16.10	22.11		17.42
26 27	20.17 21.25	12.03 12.17	16.75 17.12	20.92 21.38	11.64 12.22	16.85 17.38	20.74	11.26	16.37	21.78 21.55	12.06 12.12	17.17 16.95
28 29	21.31	11.18	16.83	20.04	10.10	 15.53	20.46 20.66		16.40 16.68	21.18	12.13 12.19	16.91 17.05
30				20.08		16.17	20.63	12.13	16.59	21.78 21.55 21.18 20.90 20.88 20.83	12.28	17.20
31				20.14		16.25				20.63	12.57	17.57
MONTH												
DAV	MAN	MTN	MUAN	MAN			, feet	MTN	MUAN	MAN	MTN	MEDAL
DAY	MAX	MIN	MEAN	MAX	MIN		MAX		MEAN	MAX	MIN	MEAN
DAY		JUNE			MIN	MEAN	MAX	AUGUST			SEPTEMB	ER
DAY 1 2					MIN	MEAN	MAX	AUGUST				
1 2 3	21.32 21.06 20.91	JUNE 12.89 12.35 12.09			MIN	MEAN 16.39 16.39 16.47	19.99 20.25	AUGUST			SEPTEMB 12.35 12.41 12.20	ER 16.51 16.68 16.56
1 2	21.32 21.06	JUNE 12.89 12.35		MAX 20.16 20.29 20.38 20.24 20.10	MIN	MEĀN 16.39 16.39	MAX 19.99 20.25	AUGUST		20.22 20.20	SEPTEMB 12.35 12.41 12.20	ER 16.51 16.68
1 2 3 4 5	21.32 21.06 20.91 20.96 20.89	JUNE 12.89 12.35 12.09 11.87 12.06	17.90 17.49 17.16 16.93 16.87	20.16 20.29 20.38 20.24 20.10	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73	MEĀN 16.39 16.39 16.47 16.36 16.24	19.99 20.25 20.36	AUGUST 12.23 12.36 12.48	16.41 16.56 16.58 16.76	20.22 20.20 20.15 20.56 20.69	SEPTEMB 12.35 12.41 12.20 12.38 13.05	16.51 16.68 16.56 16.79 17.24
1 2 3 4 5	21.32 21.06 20.91 20.96 20.89	JUNE 12.89 12.35 12.09 11.87 12.06 12.26	17.90 17.49 17.16 16.93 16.87	20.16 20.29 20.38 20.24 20.10	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15	MEĀN 16.39 16.39 16.47 16.36 16.24	19.99 20.25 20.36	AUGUST 12.23 12.36 12.48	16.41 16.56 16.58	20.22 20.20 20.15 20.56 20.69	SEPTEMB 12.35 12.41 12.20 12.38 13.05	ER 16.51 16.68 16.56 16.79 17.24
1 2 3 4 5 6 7 8 9	21.32 21.06 20.91 20.96 20.89 20.70	JUNE 12.89 12.35 12.09 11.87 12.06 12.26 12.26	17.90 17.49 17.16 16.93 16.87	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14	MEĀN 16.39 16.39 16.47 16.36 16.24	19.99 20.25 20.36	AUGUST 12.23 12.36 12.48	16.41 16.56 16.58 16.76 16.84 16.73 16.44	20.22 20.20 20.15 20.56 20.69	SEPTEMB 12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60
1 2 3 4 5 6 7 8 9	21.32 21.06 20.91 20.96 20.89 20.70 20.06	JUNE 12.89 12.35 12.09 11.87 12.06 12.26 12.26 12.57	17.90 17.49 17.16 16.93 16.87 16.83 16.82	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01 19.96	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24	MEAN 16.39 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36	19.99 20.25 20.36 20.33 20.44 20.00 19.77	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.34	20.22 20.20 20.15 20.56 20.69 20.87 20.83 20.85 20.79	SEPTEMB 12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74 13.77	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49
1 2 3 4 5 6 7 8 9 10	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06	JUNE 12.89 12.35 12.09 11.87 12.06 12.26 12.26 12.57	17.90 17.49 17.16 16.93 16.87 16.83 16.82	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01 19.96	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24	MEAN 16.39 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.34	20.22 20.20 20.15 20.56 20.69 20.87 20.83 20.85 20.79	SEPTEMB 12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74 13.77	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49
1 2 3 4 5 6 7 8 9 10 11 12 13 14	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37	JUNE 12.89 12.35 12.09 11.87 12.06 12.26 12.26 12.57	17.90 17.49 17.16 16.93 16.87 16.83 16.82	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01 19.96	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24	MEAN 16.39 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.34	20.22 20.20 20.15 20.56 20.69 20.87 20.83 20.85 20.79	SEPTEMB 12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74 13.77	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49
1 2 3 4 5 6 7 8 9 10 11 12 12 13 14 15	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85	JUNE 12.89 12.35 12.09 11.87 12.06 12.26 12.26 12.57 12.57 12.98 13.02 12.63 12.41 12.20	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01 19.96 19.34 19.05 19.39	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.34 16.32 16.32 16.32	20.22 20.20 20.15 20.56 20.69 20.87 20.83 20.85 20.79 20.74 20.99 20.72 20.88	12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74 13.77 13.66 13.30 12.85 12.21	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.49 17.49 17.40 17.38 17.44 17.15
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85	JUNE 12.89 12.35 12.06 11.87 12.06 12.26 12.26 12.57 12.98 13.02 12.63 12.41	17.90 17.49 17.16 16.93 16.87 16.82 16.41 16.67 16.49 16.27 16.14 16.00	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01 19.96 19.34 19.05	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.34 16.32 16.32 16.32	20.22 20.20 20.15 20.56 20.69 20.87 20.83 20.85 20.79 20.74 20.99 20.72 20.88	12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74 13.77 13.66 13.30 12.85 12.21	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49 17.40 17.38 17.44 17.15
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85	JUNE 12.89 12.35 12.06 11.87 12.06 12.26 12.26 12.57 12.98 13.02 12.63 12.41	17.90 17.49 17.16 16.93 16.87 16.82 16.41 16.67 16.49 16.27 16.14 16.00	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01 19.96 19.34 19.05	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.34 16.32 16.32 16.32	20.22 20.20 20.15 20.56 20.69 20.87 20.83 20.85 20.79 20.74 20.99 20.72 20.88	12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74 13.77 13.66 13.30 12.85 12.21	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49 17.40 17.38 17.44 17.15
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85	JUNE 12.89 12.35 12.06 11.87 12.06 12.26 12.26 12.57 12.98 13.02 12.63 12.41	17.90 17.49 17.16 16.93 16.87 16.82 16.41 16.67 16.49 16.27 16.14 16.00	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.90 20.01 19.96 19.34 19.05 19.39	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.34 16.32 16.32 16.32	20.22 20.20 20.15 20.56 20.69 20.87 20.83 20.85 20.79	12.35 12.41 12.20 12.38 13.05 13.88 13.70 13.74 13.77 13.66 13.30 12.85 12.21	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49 17.40 17.38 17.44 17.15
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	21.32 21.02 20.91 20.96 20.89 20.90 20.70 20.06 20.06 19.95 19.37 19.20 18.85	JUNE 12.89 12.39 11.87 12.06 12.26 12.26 12.57 12.98 13.02 12.41 12.20 12.11 12.36 12.37	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00	20.16 20.29 20.38 20.24 20.10 20.21 11.9.90 20.01 19.96 19.34 19.05 19.39 20.29 20.29 20.20 20.11	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 11.24 10.90 10.23	MEAN 16.39 16.47 16.36 16.24 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 	20.22 20.20 20.15 20.56 20.69 20.87 20.87 20.79 20.79 20.79 20.72 20.88 21.55 21.26 21.15 21.22	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.31 11.63	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.49 17.49 17.40 17.38 17.44 17.15 16.65
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85 19.00 19.86 20.49	JUNE 12.89 12.35 12.06 12.26 12.26 12.57 12.98 13.02 12.63 12.41 12.20 12.11 12.36 12.37 10.80	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00	20.16 20.29 20.38 20.24 20.10 20.21 11.9.90 20.01 19.96 19.34 19.05 19.39 20.29 20.29 20.20 20.11	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 11.24 10.90 10.23	MEAN 16.39 16.47 16.36 16.24 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 	20.22 20.20 20.15 20.56 20.69 20.87 20.87 20.79 20.79 20.79 20.72 20.88 21.55 21.26 21.15 21.22	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.31 11.63	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.49 17.49 17.40 17.38 17.44 17.15 16.65
1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	21.32 21.02 20.91 20.96 20.89 20.70 20.70 20.06 20.06 19.95 19.37 19.20 18.85 19.00 19.86 20.49 20.14 21.14 21.14 21.27	JUNE 12.89 12.39 11.87 12.06 12.26 12.26 12.57 12.98 13.02 12.41 12.20 12.11 12.36 12.37 10.80 10.50 11.26	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00	20.16 20.29 20.38 20.24 20.10 20.21 11.9.90 20.01 19.96 19.34 19.05 19.39 20.29 20.29 20.20 20.11	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 11.24 10.90 10.23	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 	20.22 20.20 20.15 20.56 20.69 20.87 20.87 20.79 20.79 20.79 20.72 20.88 21.55 21.26 21.15 21.22	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.31 11.63	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.49 17.49 17.40 17.38 17.44 17.15 16.65
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	21.32 21.091 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85 19.00 19.86 20.49 21.14 21.04 21.27	12.89 12.35 12.06 12.26 12.26 12.26 12.57 12.98 13.02 12.63 12.41 12.20 12.11 12.36 12.37 10.80 10.50 11.26 11.96	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00 16.03 16.49 16.89 16.45 16.50 16.85	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.96 19.96 19.34 19.05 19.39 19.89 20.29 20.62 20.87 21.08 21.17 21.20 21.13 21.16	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 10.23 10.02 10.02 10.57 10.62 11.18 11.30	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99 15.95 16.14 16.30 16.74 16.55	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.32 16.32 16.37 16.37	20.22 20.20 20.15 20.56 20.69 20.87 20.85 20.79 20.74 20.99 20.72 20.88 21.55 21.26 21.15 21.22 21.07 20.87 20.87	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.41 11.63 11.71 12.38 12.71 12.38 12.71	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49 17.40 17.38 17.44 17.15 16.65 16.93 17.00 16.98 17.00 17.00 17.01 17.10
1 2 3 3 4 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85 19.00 19.86 20.49 21.14 21.04 21.22	12.89 12.35 12.06 12.26 12.26 12.57 12.98 13.02 12.41 12.20 12.11 12.36 12.37 10.80 10.50 11.26 11.79 11.30	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00 16.03 16.49 16.89 16.45 16.50 16.85	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.96 19.96 19.34 19.05 19.39 19.89 20.29 20.62 20.87 21.08 21.17 21.20 21.13 21.16	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 10.23 10.02 10.02 10.57 10.62 11.18 11.30	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99 15.95 16.14 16.30 16.74 16.55	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.32 16.32 16.37 16.37	20.22 20.20 20.15 20.56 20.69 20.87 20.85 20.79 20.74 20.99 20.72 20.88 21.55 21.26 21.15 21.22 21.07 20.87 20.87	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.41 11.63 11.71 12.38 12.71 12.38 12.71	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49 17.40 17.38 17.44 17.15 16.65 16.93 17.00 16.98 17.00 17.00 17.01 17.10
1 2 3 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85 19.00 19.86 20.49 21.14 21.04 21.27 21.12 21.14 21.27	12.89 12.35 12.06 12.26 12.26 12.26 12.26 12.27 12.57 12.98 13.02 12.41 12.20 12.11 12.36 12.37 10.80 10.50 11.26 11.96 11.79 11.30 11.54	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00 16.03 16.49 16.89 16.45 16.50 16.85	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.96 19.96 19.34 19.05 19.39 19.89 20.29 20.62 20.87 21.08 21.17 21.20 21.13 21.16	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 10.23 10.02 10.02 10.57 10.62 11.18 11.30	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99 15.95 16.14 16.30 16.74 16.55	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.32 16.32 16.37 16.37	20.22 20.20 20.15 20.56 20.69 20.87 20.85 20.79 20.74 20.99 20.72 20.88 21.55 21.26 21.15 21.22 21.07 20.87 20.87	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.41 11.63 11.71 12.38 12.71 12.38 12.71	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49 17.40 17.38 17.44 17.15 16.65 16.93 17.00 16.98 17.00 17.00 17.01 17.10
1 2 3 3 4 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	21.32 21.06 20.91 20.96 20.89 20.70 20.06 20.06 19.95 19.37 19.20 18.85 19.00 19.86 20.14 21.24 21.24 21.24 21.24 21.24 21.22	JUNE 12.89 12.35 12.06 12.26 12.26 12.57 12.98 13.02 12.41 12.20 12.11 12.36 12.37 12.11 12.36 12.37 13.02 14.15 14.15 15.41 15.44 11.53 11.42	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00 16.03 16.49 16.89 16.45 16.50 16.85	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.96 19.96 19.34 19.05 19.39 19.89 20.29 20.62 20.87 21.08 21.17 21.20 21.13 21.16	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 10.23 10.02 10.02 10.57 10.62 11.18 11.30	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99 15.95 16.14 16.30 16.74 16.55	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.32 16.32 16.37 16.37	20.22 20.20 20.15 20.56 20.69 20.87 20.85 20.79 20.74 20.99 20.72 20.88 21.55 21.26 21.15 21.22 21.07 20.87 20.87	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.41 11.63 11.71 12.38 12.71 12.38 12.71	16.51 16.68 16.56 16.79 17.24 17.700 17.60 17.49 17.40 17.38 17.44 17.15 16.65 16.93 17.00 16.98 17.00 17.00 17.00
1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	21.32 21.06 20.96 20.99 20.90 20.70 20.06 20.06 19.95 19.37 19.20 18.85 19.00 19.86 20.49 21.14 21.04 21.27 21.22 21.14 20.40 19.93 19.93 20.90 20.70	12.89 12.39 11.87 12.06 12.26 12.26 12.57 12.98 13.02 12.41 12.20 12.11 12.36 12.37 12.11 12.36 11.96 11.79 11.30 11.53	17.90 17.49 17.16 16.93 16.87 16.83 16.82 16.41 16.67 16.49 16.27 16.14 16.00 16.03 16.49 16.89 16.45 16.50 16.85	20.16 20.29 20.38 20.24 20.10 20.20 20.11 19.96 19.96 19.34 19.05 19.39 19.89 20.29 20.62 20.87 21.08 21.17 21.20 21.13 21.16	MIN JULY 11.66 11.41 11.85 11.74 11.92 11.73 12.15 11.69 12.14 12.24 12.32 12.09 12.06 12.05 11.40 10.23 10.02 10.02 10.57 10.62 11.18 11.30	MEAN 16.39 16.47 16.36 16.24 16.31 15.98 16.11 16.36 16.27 16.14 15.99 16.23 16.10 16.20 16.17 15.99 15.95 16.14 16.30 16.74 16.55	19.99 20.25 20.36 20.33 20.44 20.00 19.77 19.48 19.31 19.38 19.70 19.98 20.09 20.92 20.35 20.12 20.32 20.22 19.94	AUGUST 12.23 12.36 12.48 12.73 12.73 12.29 12.40 12.21 12.22 12.41 12.37 12.23 11.94	16.41 16.56 16.58 16.76 16.84 16.73 16.44 16.32 16.32 16.37 16.37	20.22 20.20 20.15 20.56 20.69 20.87 20.85 20.79 20.74 20.99 20.72 20.88 21.55 21.26 21.15 21.22 21.07 20.87 20.87	12.35 12.41 12.20 12.38 13.05 13.74 13.77 13.66 13.30 12.85 12.21 11.20 11.25 11.44 11.41 11.63 11.71 12.38 12.71 12.38 12.71	16.51 16.68 16.56 16.79 17.24 17.70 17.60 17.60 17.49 17.40 17.38 17.44 17.15 16.65 16.93 17.00 16.98 17.00 17.00 17.01 17.10