LOCATION.--Lat $32^{\circ} 28^{\prime} 26^{\prime \prime}$, long $80^{\circ} 41^{\prime} 34^{\prime \prime}$, 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 astromomical 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, $20,400 \mathrm{ft}^{3} / \mathrm{s}$, Jan. 16, 2003, maximum gage height, 22.15 ft , July 21 , 2001 ; minimum discharge, $-34,700$, Aug. 18, 2001, minimum gage height, $8.72 \mathrm{ft}, \mathrm{Feb} .13,2005$.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, $22.11 \mathrm{ft}, \mathrm{May} 25$; 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 |  |  | OVEMBER |  |  | CEMBER |  |  | 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

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | --- | --- | --- | --- | --- | --- | 19.95 | 11.90 | 16.40 | 20.50 | 12.00 | 16.62 |
| 2 |  |  |  | 18.29 | 10.40 | 14.82 | --- | --- | --- | 20.45 | 12.41 | 17.06 |
| 3 | --- |  | --- | 18.52 | 11.50 | 15.48 | 18.32 | 11.45 | 15.11 | 20.75 | 12.22 | 17.35 |
| 4 | --- | --- | --- | 19.18 | 11.69 | 15.78 | 19.29 | 10.74 | 15.96 | 21.06 | 12.46 | 17.52 |
| 5 |  |  | --- |  | --- | --- | 19.81 | 10.27 | 16.29 | 21.78 | 12.66 | 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 | 21.28 | 11.63 | 17.00 |
| 8 |  |  |  |  | --- | --- | 20.87 | 11.36 | 16.55 | 21.36 | 11.64 | 16.79 |
| 9 | --- | --- | --- | --- | --- | --- | 21.23 | 10.62 | 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 | --- | --- | --- | --- | --- | --- | 20.89 | 11.34 | 16.77 | 20.47 | 12.56 | 16.73 |
| 12 | --- | --- | --- | --- | --- | --- | 20.82 | 11.95 | 16.78 | 20.36 | 12.69 | 16.60 |
| 13 |  | --- |  |  |  | --- | 20.55 | 12.22 | 16.67 | 19.94 | 12.84 | 16.56 |
| 14 | --- | --- | --- | 19.62 | 10.92 | 15.65 | 20.16 | 13.66 | 17.00 | 19.98 | 13.63 | 16.88 |
| 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 | 18.63 | 12.62 | 15.91 | 19.73 | 13.38 | 16.69 | 20.20 | 14.05 | 17.09 | 19.33 | 13.07 | 16.68 |
| 18 | 18.63 | 12.52 | 15.87 | 19.49 | 13.79 | 16.75 | 19.76 | 13.09 | 16.78 | 19.84 | 13.30 | 17.13 |
| 19 | 18.80 | 11.65 | 15.71 | 19.41 | 13.63 | 16.79 | 19.02 | 12.42 | 16.29 | 20.25 | 13.07 | 17.21 |
| 20 | 18.71 | 11.54 | 15.67 | 19.56 | 12.56 | 16.63 | 19.07 | 11.56 | 16.19 | 20.24 | 12.45 | 17.00 |
| 21 | --- |  |  | 18.96 | 12.52 | 16.25 | 19.48 | 10.90 | 16.17 | 21.35 | 12.39 | 17.15 |
| 22 | 18.97 | 10.78 | 15.52 | 19.60 | 12.33 | 16.65 | 20.01 | 11.23 | 16.28 | 21.53 | 12.26 | 17.42 |
| 23 | 19.61 | 10.12 | 16.10 | --- | --- | --- | 19.72 | 10.80 | 16.03 | 21.09 | 11.19 | 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 | 12.17 | 17.42 |
| 26 | 20.17 | 12.03 | 16.75 | 20.92 | 11.64 | 16.85 | 20.74 | 11.26 | 16.37 | 21.78 | 12.06 | 17.17 |
| 27 | 21.25 | 12.17 | 17.12 | 21.38 | 12.22 | 17.38 | --- | --- | --- | 21.55 | 12.12 | 16.95 |
| 28 | 21.31 | 11.18 | 16.83 | --- | --- | --- | 20.46 | 11.65 | 16.40 | 21.18 | 12.13 | 16.91 |
| 29 | -- | --- | --- | 20.04 | 10.10 | 15.53 | 20.66 | 12.32 | 16.68 | 20.90 | 12.19 | 17.05 |
| 30 | --- | --- | --- | 20.08 | 11.03 | 16.17 | 20.63 | 12.13 | 16.59 | 20.88 | 12.28 | 17.20 |
| 31 | --- | --- | --- | 20.14 | 10.61 | 16.25 | --- | --- | --- | 20.83 | 12.57 | 17.57 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DAY | MAX | MIN | MEAN | MAX | $\begin{aligned} & \text { Gag } \\ & \text { MIN } \end{aligned}$ | height MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  |  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMB |  |
| 1 | 21.32 | 12.89 | 17.90 | 20.16 | 11.66 | 16.39 | 19.99 | 12.23 | 16.41 | 20.22 | 12.35 | 16.51 |
| 2 | 21.06 | 12.35 | 17.49 | 20.29 | 11.41 | 16.39 | 20.25 | 12.36 | 16.56 | 20.20 | 12.41 | 16.68 |
| 3 | 20.91 | 12.09 | 17.16 | 20.38 | 11.85 | 16.47 | --- | --- | --- | 20.15 | 12.20 | 16.56 |
| 4 | 20.96 | 11.87 | 16.93 | 20.24 | 11.74 | 16.36 | --- | --- | --- | 20.56 | 12.38 | 16.79 |
| 5 | 20.89 | 12.06 | 16.87 | 20.10 | 11.92 | 16.24 | 20.36 | 12.48 | 16.58 | 20.69 | 13.05 | 17.24 |
| 6 | 20.90 | 12.26 | 16.83 | 20.20 | 11.73 | 16.24 | 20.33 | 12.73 | 16.76 | --- | --- | --- |
| 7 | 20.70 | 12.26 | 16.82 | 20.11 | 12.15 | 16.31 | 20.44 | 12.73 | 16.84 | 20.87 | 13.88 | 17.70 |
| 8 | --- | --- | --- | 19.90 | 11.69 | 15.98 | 20.00 | 12.29 | 16.73 | 20.83 | 13.70 | 17.60 |
| 9 | --- | --- | --- | 20.01 | 12.14 | 16.11 | 19.77 | 12.40 | 16.44 | 20.85 | 13.74 | 17.60 |
| 10 | 20.06 | 12.57 | 16.41 | 19.96 | 12.24 | 16.36 | 19.48 | 12.21 | 16.34 | 20.79 | 13.77 | 17.49 |
| 11 | 20.06 | 12.98 | 16.67 | 19.96 | 12.32 | 16.27 | 19.31 | 12.22 | 16.37 | 20.79 | 13.66 | 17.40 |
| 12 | 19.95 | 13.02 | 16.49 | 19.34 | 12.09 | 16.14 | 19.38 | 12.41 | 16.32 | 20.74 | 13.30 | 17.38 |
| 13 | 19.37 | 12.63 | 16.27 | 19.05 | 12.06 | 15.99 | 19.70 | 12.37 | 16.28 | 20.99 | 12.85 | 17.44 |
| 14 | 19.20 | 12.41 | 16.14 | 19.39 | 12.05 | 16.23 | 19.98 | 12.23 | 16.37 | 20.72 | 12.21 | 17.15 |
| 15 | 18.85 | 12.20 | 16.00 | --- | --- | --- | 20.09 | 11.94 | 16.37 | 20.88 | 11.20 | 16.65 |
| 16 | 19.00 | 12.11 | 16.03 | --- | --- | --- | --- | --- | --- | 21.55 | 11.25 | 16.93 |
| 17 | 19.86 | 12.36 | 16.49 | 19.89 | 11.40 | 16.10 | --- | --- | --- | -- | --- | --- |
| 18 | 20.49 | 12.37 | 16.89 | 20.29 | 11.24 | 16.20 | --- | --- | --- | 21.26 | 11.44 | 17.08 |
| 19 | --- | --- | --- | 20.62 | 10.90 | 16.17 | --- | --- | --- | 21.15 | 11.31 | 16.97 |
| 20 | --- | --- | --- | 20.87 | 10.23 | 15.99 | --- | --- | --- | 21.22 | 11.63 | 17.00 |
| 21 | --- | --- | --- | 21.08 | 10.02 | 15.95 | --- | --- | --- | 21.07 | 11.71 | 16.98 |
| 22 | 21.14 | 10.80 | 16.45 | 21.17 | 10.57 | 16.14 | --- | --- | --- | 20.87 | 12.38 | 17.09 |
| 23 | 21.04 | 10.50 | 16.15 | 21.20 | 10.62 | 16.30 | --- | --- | --- | 20.57 | 12.71 | 17.07 |
| 24 | 21.27 | 11.26 | 16.50 | 21.13 | 11.18 | 16.74 | --- | --- | --- | 20.30 | 12.98 | 17.01 |
| 25 | 21.22 | 11.96 | 16.85 | 21.16 | 11.30 | 16.55 | --- | --- | --- | 20.13 | 13.48 | 17.10 |
| 26 | 21.14 | 11.79 | 16.70 | 20.26 | 11.03 | 16.17 | 20.92 | 13.36 | 17.54 | 20.12 | 13.84 | 17.25 |
| 27 | 20.40 | 11.30 | 16.35 | 19.89 | 11.23 | 16.21 | 20.35 | 12.92 | 17.05 | 19.79 | 13.50 | 16.95 |
| 28 | 19.93 | 11.54 | 16.29 | 19.87 | 11.67 | 16.34 | 20.12 | 12.95 | 16.94 | 20.54 | 13.87 | 17.54 |
| 29 | 19.89 | 11.53 | 16.36 | 19.93 | 11.89 | 16.34 | 20.32 | 13.29 | 17.17 | 20.32 | 13.17 | 17.34 |
| 30 | 20.02 | 11.42 | 16.30 | 19.68 | 12.15 | 16.37 | 20.22 | 13.32 | 17.19 | 20.77 | 13.17 | 17.34 |
| 31 | --- | --- | --- | 19.90 | 12.21 | 16.33 | 19.94 | 12.46 | 16.55 | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | - | -- | -- | -- | - | --- |

