

Water-Data Report 2008

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A

Pearl Basin
Lower Pearl Subbasin

LOCATION.--Lat 30°10'58", long 89°31'39" referenced to North American Datum of 1983, Hancock County, MS, Hydrologic Unit 03180004, St. Stephens Meridian, on the USCG Pearl River Entrance Channel Light 7A platform, near the mouth of the Pearl River.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2000 to September 2008 (destroyed).

PERIOD OF DAILY RECORD.--

GAGE HEIGHT: July 2000 to September 2008.

GAGE.--Submersible transducer and data-collection platform since July 2000. Datum of gage is assumed.

REMARKS.--Gage damaged by Hurricane Katrina Aug. 29, 2005, reestablished in April 2006, and destroyed by Hurricane Gustav, Sept. 1, 2008. Gage height records good. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

GAGE HEIGHT: Maximum recorded, 7.82 ft, Sept. 26, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, -2.41 ft, Dec. 11, 2004, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum recorded, 3.85 ft, Sept. 1, but may have been higher during periods of instrument malfunction; minimum recorded, -1.74 ft, May 21, but may have been lower during periods of instrument malfunction.

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

| Day | High-high | Low-low |
|------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | October | | November | | December | | January | | February | | March | |
| 1 | 3.37 | 0.88 | 1.74 | -0.88 | 0.99 | -0.36 | 0.76 | -0.32 | 1.69 | -0.48 | 1.40 | -0.39 |
| 2 | 3.03 | 0.59 | 1.44 | -0.66 | 0.53 | -0.66 | 1.30 | -0.88 | 1.66 | -0.33 | 1.49 | -0.57 |
| 3 | 3.15 | 0.74 | 1.30 | -0.36 | 0.27 | -0.88 | 1.66 | 0.00 | 1.49 | -0.64 | 2.44 | -0.24 |
| 4 | 3.44 | 1.93 | 0.92 | -0.18 | 0.34 | -0.49 | 2.23 | 0.38 | 1.63 | -0.82 | --- | -0.41 |
| 5 | 3.45 | 2.02 | 0.85 | 0.14 | 0.51 | -1.32 | 2.03 | -0.21 | 1.50 | -0.97 | 1.31 | -0.15 |
| 6 | 3.03 | 1.81 | 1.37 | -0.16 | 1.20 | -0.44 | 1.86 | -0.55 | --- | -1.02 | --- | -0.38 |
| 7 | 3.24 | 2.13 | 1.82 | 0.97 | 1.12 | -0.87 | 1.89 | -0.47 | 0.94 | -0.46 | 2.06 | -0.34 |
| 8 | 3.04 | 2.20 | 1.61 | 0.12 | 1.18 | -1.05 | --- | -0.92 | 0.87 | -1.38 | 0.26 | -0.94 |
| 9 | 2.49 | 1.40 | 1.42 | -0.52 | 1.25 | -0.96 | 1.66 | -0.72 | 0.92 | -1.05 | 1.02 | 0.23 |
| 10 | 2.22 | 1.26 | 1.48 | -1.09 | --- | -1.21 | 1.46 | -0.85 | 1.06 | -0.29 | 1.33 | 0.97 |
| 11 | 2.24 | 1.15 | --- | -0.51 | 1.21 | -1.00 | 0.92 | -1.01 | 0.49 | -0.20 | 1.55 | 0.05 |
| 12 | 2.86 | 1.34 | 1.70 | -0.67 | 1.16 | -1.25 | 1.29 | -0.35 | 1.12 | --- | 1.41 | -0.12 |
| 13 | 2.65 | 1.03 | 1.57 | -1.09 | 0.97 | -1.67 | 0.94 | -0.90 | 1.18 | -0.49 | 1.11 | -0.82 |
| 14 | 3.00 | 0.87 | 1.29 | -1.33 | 0.90 | -1.08 | 0.49 | -0.07 | 1.55 | 0.05 | 0.42 | -0.80 |
| 15 | 3.18 | 1.12 | 1.07 | -1.20 | 0.61 | -1.70 | 0.36 | -0.49 | 1.57 | -0.46 | 0.68 | -1.14 |
| 16 | 3.31 | 1.45 | 1.52 | -0.74 | -0.48 | -1.18 | 2.82 | -0.82 | 1.78 | -0.78 | 1.33 | -0.68 |
| 17 | 3.15 | 1.26 | 0.88 | -1.06 | 0.73 | 0.04 | 1.90 | 0.05 | 1.62 | -0.84 | --- | -0.48 |
| 18 | 2.90 | 0.55 | 0.81 | -0.86 | 0.70 | 0.09 | 1.90 | -0.28 | 1.82 | -0.59 | 1.90 | -0.02 |
| 19 | 2.44 | 0.55 | 1.03 | -0.18 | 0.90 | -0.58 | 1.94 | 0.30 | 1.08 | -0.55 | 2.03 | -0.85 |
| 20 | 2.84 | 0.80 | 0.69 | -0.15 | 1.38 | -1.11 | --- | 0.04 | --- | -0.74 | 0.38 | -0.15 |
| 21 | 2.80 | 1.55 | 0.80 | -0.57 | 1.40 | -0.71 | 2.66 | 0.16 | 1.29 | 0.06 | 0.98 | -0.41 |
| 22 | 3.46 | 1.87 | --- | -0.79 | 2.51 | -0.42 | 2.44 | -0.40 | 1.14 | -0.21 | 0.23 | -0.89 |
| 23 | 2.45 | 0.50 | 1.38 | -0.46 | --- | -0.92 | 2.00 | -0.42 | 0.86 | 0.08 | 0.47 | -0.47 |
| 24 | 0.20 | -0.49 | 2.06 | -0.28 | 2.09 | -0.34 | 1.63 | -0.08 | 1.19 | 0.59 | 0.83 | --- |
| 25 | 0.28 | -0.43 | 2.65 | -0.12 | 1.97 | -0.70 | 2.15 | 0.70 | 0.79 | 0.21 | 0.64 | -0.48 |
| 26 | 1.45 | -0.86 | 2.11 | -0.96 | 1.85 | 0.09 | 1.90 | 0.68 | 0.51 | -0.46 | 0.41 | -0.94 |
| 27 | 1.83 | -0.70 | 1.48 | -1.27 | 2.02 | -0.49 | 1.04 | 0.26 | 0.78 | -0.25 | 1.27 | -1.28 |
| 28 | 2.20 | -0.61 | 2.02 | -1.00 | 1.46 | -0.41 | 1.19 | 0.23 | 1.39 | -0.26 | 1.34 | -0.36 |
| 29 | 2.27 | -0.19 | 1.32 | -1.25 | 1.05 | 0.09 | 1.17 | -0.37 | 1.95 | -0.23 | 1.71 | -0.29 |
| 30 | 2.64 | -0.26 | 1.05 | -1.13 | 1.29 | 0.07 | 1.70 | -0.26 | --- | --- | 1.83 | -0.05 |
| 31 | 2.31 | -0.27 | --- | --- | 1.28 | 0.22 | 2.08 | 0.17 | --- | --- | 2.25 | 0.55 |
| Max | 3.46 | 2.20 | --- | 0.97 | --- | 0.22 | --- | 0.70 | --- | --- | --- | --- |
| Min | 0.20 | -0.86 | --- | -1.33 | --- | -1.70 | --- | -1.01 | --- | --- | --- | --- |

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

| Day | High-high | Low-low |
|------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | April | | May | | June | | July | | August | | September | |
| 1 | --- | --- | 1.71 | 0.78 | 1.09 | -1.14 | 1.75 | -0.93 | 1.74 | -0.90 | --- | --- |
| 2 | --- | --- | 2.48 | 1.38 | 0.86 | --- | 1.90 | --- | 1.01 | --- | --- | --- |
| 3 | --- | --- | 2.60 | 0.65 | 0.85 | -1.60 | 1.68 | -0.98 | 1.53 | -0.79 | --- | --- |
| 4 | --- | --- | 2.52 | 0.27 | 1.32 | -1.58 | 1.63 | -1.04 | 1.97 | 0.63 | --- | --- |
| 5 | --- | --- | 2.58 | --- | 1.60 | -1.31 | 1.33 | -0.94 | 1.74 | 0.58 | --- | --- |
| 6 | --- | --- | 2.53 | 0.12 | 1.74 | -0.79 | 0.89 | -0.94 | 0.97 | -0.05 | --- | --- |
| 7 | --- | --- | 2.55 | 0.01 | 1.36 | -0.59 | 1.00 | -0.22 | 0.70 | -0.47 | --- | --- |
| 8 | --- | --- | 2.31 | -0.01 | 1.00 | -0.54 | 0.72 | -0.16 | 1.83 | -0.53 | --- | --- |
| 9 | 2.34 | 0.43 | 1.76 | -0.52 | 0.66 | -0.51 | 0.82 | -0.15 | 1.63 | -0.58 | --- | --- |
| 10 | --- | 0.31 | 1.59 | -0.43 | 0.41 | -0.31 | 0.90 | -0.70 | 1.37 | -0.75 | --- | --- |
| 11 | 1.96 | 0.04 | 0.56 | -0.63 | 0.56 | -0.33 | 1.00 | -1.08 | 1.37 | -0.43 | --- | --- |
| 12 | 1.60 | -0.34 | 1.20 | -0.66 | 0.76 | -0.63 | 0.77 | -1.36 | 1.54 | -0.95 | --- | --- |
| 13 | 0.90 | -0.37 | 1.36 | -0.01 | 1.21 | -0.52 | 0.36 | -1.42 | 0.97 | -1.00 | --- | --- |
| 14 | 0.81 | -0.11 | 1.77 | 0.63 | 1.03 | -0.93 | 0.93 | -1.48 | 1.98 | -0.28 | --- | --- |
| 15 | 1.09 | 0.25 | 2.05 | 0.29 | 1.14 | -0.98 | 1.52 | -1.07 | 1.98 | -0.10 | --- | --- |
| 16 | 1.60 | 0.28 | 2.03 | 0.21 | 1.16 | -0.96 | 1.39 | -0.90 | 1.48 | 0.00 | --- | --- |
| 17 | 1.63 | 0.61 | 2.30 | 0.24 | 1.10 | -1.13 | 1.43 | --- | 1.99 | 0.00 | --- | --- |
| 18 | 2.39 | 1.80 | 1.76 | -0.22 | 1.51 | --- | 1.39 | -0.76 | 1.62 | 0.14 | --- | --- |
| 19 | 1.93 | 0.73 | 1.58 | -0.17 | 1.63 | -0.81 | 1.40 | -0.63 | 1.92 | 0.85 | --- | --- |
| 20 | 2.06 | 0.12 | 1.15 | -0.60 | 1.60 | -0.55 | 1.20 | -0.49 | 1.42 | 0.58 | --- | --- |
| 21 | 2.02 | 0.12 | 0.60 | -1.74 | 1.36 | -0.34 | 1.07 | -0.58 | 1.32 | 0.34 | --- | --- |
| 22 | 1.95 | --- | 1.46 | -1.42 | 1.24 | -0.56 | 1.24 | -0.35 | 1.56 | -0.23 | --- | --- |
| 23 | 1.92 | -0.10 | 1.86 | -0.47 | 1.46 | -0.69 | 0.70 | -0.14 | 1.31 | -1.16 | --- | --- |
| 24 | 2.09 | -0.07 | 1.63 | -0.29 | 0.97 | -0.37 | 0.86 | -0.32 | 0.26 | -1.50 | --- | --- |
| 25 | 2.12 | 0.08 | 1.07 | -0.56 | 0.74 | -0.26 | 0.95 | -1.08 | 0.93 | -0.60 | --- | --- |
| 26 | 2.18 | 0.33 | 1.21 | -0.49 | 0.92 | -0.06 | 0.90 | -1.08 | 2.00 | -0.48 | --- | --- |
| 27 | 2.60 | 0.35 | 0.89 | -0.29 | 1.30 | -0.60 | 1.22 | -1.05 | 2.41 | -0.22 | --- | --- |
| 28 | 1.48 | 0.24 | 0.75 | -0.14 | 1.38 | -0.89 | 1.54 | -1.13 | 2.24 | -0.05 | --- | --- |
| 29 | 1.47 | 0.45 | 0.41 | -0.16 | 1.37 | -1.19 | 1.86 | -0.75 | 2.18 | 0.27 | --- | --- |
| 30 | --- | 0.24 | 0.93 | -0.46 | 1.31 | -1.25 | 1.65 | -1.05 | 2.08 | 0.65 | --- | --- |
| 31 | --- | --- | 1.09 | -0.64 | --- | --- | 1.36 | -0.94 | 2.56 | 2.06 | --- | --- |
| Max | --- | --- | 2.60 | --- | 1.74 | --- | 1.90 | --- | 2.56 | --- | --- | --- |
| Min | --- | --- | 0.41 | --- | 0.41 | --- | 0.36 | --- | 0.26 | --- | --- | --- |

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2000 to September 2008 (destroyed).

PERIOD OF DAILY RECORD.--

TURBIDITY: July 2004 to September 2006.

SPECIFIC CONDUCTANCE: July 2000 to September 2008.

WATER TEMPERATURE: July 2000 to September 2008.

INSTRUMENTATION.--Submersible transducer and data-collection platform since July 2000. Datum of gage is assumed.

REMARKS.--Gage damaged by Hurricane Katrina Aug. 29, 2005, reestablished in April 2006, and destroyed by Hurricane Gustav, September 1, 2008.

Specific conductance records good. Water temperature records good. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

TURBIDITY: Maximum recorded, 420 FNU, Feb. 7, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 0.5

FNU, July 23, 2004, but may have been lower during periods of instrument malfunction. Turbidity sonde pulled June 14, 2007.

SPECIFIC CONDUCTANCE: Maximum recorded, 43,600 microsiemens, Sep. 7, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 35 microsiemens, Mar. 1, 2, 2003, but may have been lower during periods of instrument malfunction.

WATER TEMPERATURE: Maximum recorded, 33.7 °C, Aug. 14, 2007, but may have been higher during periods of instrument malfunction; minimum recorded, 5.1 °C, Jan. 4, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 36,100 microsiemens, Nov. 26, but may have been higher during periods of instrument malfunction; minimum recorded, 75 microsiemens, Mar. 11, but may have been lower during periods of instrument malfunction.

WATER TEMPERATURE: Maximum recorded, 32.5 °C, July 11, but may have been higher during periods of instrument malfunction; minimum recorded, 8.2 °C, Jan. 4, but may have been lower during periods of instrument malfunction.

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

| Day | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
|--------------|----------------|------------|-----------------|------------|-----------------|------------|----------------|------------|-----------------|------------|--------------|------------|
| | October | | November | | December | | January | | February | | March | |
| 1 | 30,300 | 21,800 | 24,400 | 14,500 | 24,700 | 20,500 | 23,800 | 11,100 | 18,800 | 3,030 | 6,600 | 271 |
| 2 | 29,000 | 21,300 | --- | 13,400 | 25,600 | 20,800 | 15,000 | 9,980 | 14,400 | 1,710 | 9,600 | 117 |
| 3 | 29,400 | 21,800 | 18,700 | 13,600 | 25,000 | 16,100 | 15,500 | 9,840 | 13,300 | 958 | 15,700 | 143 |
| 4 | 30,800 | 23,400 | 17,000 | 14,100 | 22,400 | 17,300 | 24,300 | 13,200 | 13,300 | 717 | 15,500 | 263 |
| 5 | 30,900 | 24,600 | 19,100 | 15,600 | 21,200 | --- | 29,400 | 16,300 | 13,700 | 1,500 | 1,250 | 133 |
| 6 | 32,100 | 25,000 | 24,000 | 13,700 | 29,700 | 18,200 | 29,900 | 17,400 | 13,700 | 929 | 11,400 | 111 |
| 7 | 33,400 | 28,100 | 23,900 | 16,200 | 30,300 | 21,100 | 31,200 | 18,200 | 9,610 | 955 | 14,600 | 183 |
| 8 | 32,700 | 27,000 | 23,200 | 15,700 | 30,500 | 21,100 | 32,300 | 21,500 | 8,350 | 325 | 185 | 99 |
| 9 | 31,200 | 26,000 | 24,800 | 16,000 | 30,500 | 22,900 | 30,500 | 20,000 | 8,780 | 847 | 2,040 | 85 |
| 10 | 28,700 | 23,900 | 25,000 | 16,600 | 31,500 | 23,400 | 30,700 | 19,700 | 8,200 | 3,520 | 4,300 | 77 |
| 11 | 27,800 | 19,200 | 27,300 | 16,900 | 31,900 | 22,500 | 26,300 | 17,800 | 8,130 | 1,570 | 4,650 | 75 |
| 12 | 25,100 | 20,900 | 30,800 | 20,400 | 31,100 | 22,600 | 25,800 | 21,500 | 9,780 | 4,690 | 4,360 | 81 |
| 13 | 25,100 | 18,100 | 31,300 | 21,800 | 29,500 | 22,400 | 25,800 | 15,800 | 6,740 | 1,200 | 3,700 | 83 |
| 14 | 24,500 | 18,600 | 29,500 | 20,900 | 28,600 | 22,600 | 20,000 | 15,300 | 10,200 | 2,110 | 3,680 | 84 |
| 15 | 27,500 | 22,900 | 26,200 | 16,300 | 28,800 | 18,900 | 17,800 | 10,300 | 10,700 | 1,670 | 3,760 | 95 |
| 16 | 29,300 | 25,400 | 22,400 | 18,900 | 21,700 | 16,200 | 30,500 | 11,200 | 13,000 | 1,740 | 6,630 | 100 |
| 17 | 30,700 | 25,800 | 21,800 | 16,800 | 22,000 | 16,100 | 30,400 | 18,200 | 13,500 | 3,000 | 11,100 | 192 |
| 18 | 30,500 | 21,000 | 23,600 | 19,300 | 26,300 | 18,600 | 24,700 | 13,200 | 13,500 | 2,020 | 16,900 | 3,310 |
| 19 | 23,900 | 17,000 | 26,100 | 22,300 | 29,100 | 21,000 | 24,600 | 11,700 | 9,980 | 1,370 | 18,100 | 969 |
| 20 | 22,800 | 17,900 | 27,400 | 22,800 | 31,900 | 22,000 | 19,700 | 8,490 | 7,340 | 829 | 3,140 | 782 |
| 21 | 25,200 | 19,100 | 27,800 | 23,200 | 32,700 | 21,100 | 19,500 | 7,310 | 8,150 | 3,760 | 4,690 | 2,080 |
| 22 | 27,700 | 19,500 | 27,500 | 17,900 | 34,900 | 24,500 | 21,900 | 9,410 | 7,850 | 1,390 | 4,280 | 629 |
| 23 | 20,200 | 11,100 | 26,900 | 17,900 | 35,500 | 20,800 | 21,200 | 8,890 | 5,840 | 1,400 | 4,970 | 590 |
| 24 | 14,600 | 7,420 | 31,700 | 19,400 | 30,600 | 21,200 | 20,300 | 6,060 | 6,180 | 1,650 | 5,160 | 447 |
| 25 | 14,600 | 6,440 | 35,100 | 26,600 | 31,600 | 18,900 | 17,600 | 9,770 | 7,930 | 1,040 | 5,870 | 546 |
| 26 | 15,700 | 8,820 | 36,100 | 19,700 | 33,500 | 22,100 | 20,100 | 11,100 | 4,820 | 196 | 5,680 | 710 |
| 27 | 16,900 | 6,710 | 27,000 | 17,400 | 35,600 | 19,600 | 16,800 | 8,920 | 6,580 | 327 | 7,340 | 816 |
| 28 | 19,000 | 9,090 | 26,600 | 18,400 | 32,000 | 23,800 | 17,200 | 7,560 | 7,980 | 372 | 8,270 | 2,030 |
| 29 | 20,300 | 12,800 | 24,600 | 18,200 | 31,400 | 23,600 | 16,500 | 8,550 | 7,610 | 155 | 9,230 | 2,940 |
| 30 | 26,200 | 14,200 | 23,300 | 18,200 | 29,700 | 22,700 | 17,800 | 2,290 | --- | --- | 9,880 | 2,660 |
| 31 | 25,900 | 15,500 | --- | --- | 27,800 | 22,100 | 22,800 | 9,610 | --- | --- | 12,400 | 6,190 |
| Month | 33,400 | 6,440 | --- | 13,400 | 35,600 | --- | 32,300 | 2,290 | 18,800 | 155 | 18,100 | 75 |

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

| Day | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
|-------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-----------|-----|
| | April | | May | | June | | July | | August | | September | |
| 1 | 11,800 | --- | 5,200 | 3,480 | 6,420 | 211 | 16,900 | 6,840 | 22,200 | 13,700 | --- | --- |
| 2 | --- | --- | 5,980 | 5,060 | 4,950 | 403 | 18,900 | 9,340 | 20,100 | 13,400 | --- | --- |
| 3 | --- | --- | 5,610 | 1,250 | 6,430 | 392 | 20,400 | 10,200 | 26,300 | 13,900 | --- | --- |
| 4 | --- | --- | 4,670 | 655 | 6,760 | 571 | 20,100 | 9,610 | 30,200 | 22,800 | --- | --- |
| 5 | --- | --- | 3,920 | 238 | 9,850 | 801 | 18,900 | 9,580 | 27,300 | 21,700 | --- | --- |
| 6 | --- | --- | 3,090 | 149 | 12,200 | 3,390 | 13,600 | 8,920 | 23,200 | 17,500 | --- | --- |
| 7 | --- | --- | 2,790 | 155 | 13,700 | 3,630 | 18,800 | 10,900 | 24,200 | 13,100 | --- | --- |
| 8 | 13,500 | --- | 2,960 | 164 | 13,200 | 4,460 | 19,100 | 13,300 | 22,400 | 16,600 | --- | --- |
| 9 | 14,200 | 1,930 | 3,030 | 172 | 11,500 | 5,400 | 17,900 | 10,400 | 25,500 | 17,200 | --- | --- |
| 10 | 16,300 | 3,550 | 2,930 | 241 | 8,250 | 3,820 | 15,800 | 10,100 | 22,400 | 15,800 | --- | --- |
| 11 | 13,400 | 2,770 | 2,300 | 217 | 6,620 | 3,840 | 15,200 | 10,700 | 20,600 | 15,300 | --- | --- |
| 12 | 8,020 | 787 | 3,260 | 234 | 7,540 | 5,060 | 18,000 | 12,300 | 20,300 | 12,800 | --- | --- |
| 13 | 4,040 | 672 | 3,140 | 554 | 12,500 | 5,070 | 20,200 | 10,600 | 18,000 | 12,100 | --- | --- |
| 14 | 3,430 | 1,230 | 4,000 | 2,280 | 12,300 | 5,460 | 22,400 | 10,800 | 19,600 | 11,800 | --- | --- |
| 15 | 5,340 | 1,440 | 3,790 | 401 | 12,500 | 5,450 | 27,200 | 13,100 | 21,300 | 15,100 | --- | --- |
| 16 | 7,280 | 1,390 | 2,640 | 317 | 15,200 | 5,270 | 25,800 | 16,000 | 20,900 | 12,900 | --- | --- |
| 17 | 7,050 | 2,480 | 3,380 | 411 | 14,100 | 6,510 | 26,000 | 17,700 | 23,500 | 12,500 | --- | --- |
| 18 | 8,060 | 4,370 | 1,960 | 293 | 16,800 | 6,080 | 27,200 | 18,500 | 22,100 | 12,700 | --- | --- |
| 19 | 5,780 | 1,260 | 2,530 | 301 | 18,600 | 8,820 | 27,500 | 19,100 | 23,800 | 14,300 | --- | --- |
| 20 | 7,030 | 2,360 | 2,980 | 306 | 19,000 | 10,200 | 26,200 | 19,400 | 21,300 | 13,400 | --- | --- |
| 21 | 7,300 | 3,130 | 2,780 | 365 | 16,200 | 10,300 | 25,600 | 19,300 | 19,500 | 15,100 | --- | --- |
| 22 | 7,960 | 3,610 | 3,370 | 360 | 16,000 | 9,120 | 24,700 | 19,600 | 22,400 | 12,600 | --- | --- |
| 23 | 8,120 | 3,450 | 7,890 | 325 | 13,800 | 9,140 | 21,200 | 17,000 | 20,100 | 8,490 | --- | --- |
| 24 | 8,140 | 4,190 | 8,780 | 401 | 13,500 | 8,620 | 20,400 | 16,000 | 11,300 | 6,250 | --- | --- |
| 25 | 7,830 | 4,540 | 5,930 | 188 | 12,000 | 9,240 | 22,300 | 16,100 | 7,850 | 6,130 | --- | --- |
| 26 | 7,730 | 4,260 | 6,290 | 139 | 14,500 | 9,290 | 22,100 | 15,000 | 11,100 | 6,240 | --- | --- |
| 27 | 6,840 | 3,850 | 4,030 | 347 | 18,000 | 11,400 | 22,000 | 14,800 | 17,100 | 7,150 | --- | --- |
| 28 | 6,140 | 2,260 | 1,180 | 162 | 16,100 | 9,530 | 24,500 | 16,000 | 19,300 | 9,310 | --- | --- |
| 29 | 5,080 | 2,980 | 225 | 144 | 14,800 | 8,070 | 27,300 | 16,700 | 22,000 | 12,200 | --- | --- |
| 30 | 5,190 | 2,660 | 336 | 175 | 15,300 | 7,330 | 25,500 | 15,700 | 22,700 | 13,000 | --- | --- |
| 31 | --- | --- | 4,380 | 171 | --- | --- | 21,000 | 15,000 | 26,300 | 16,500 | --- | --- |
| Month | --- | --- | 8,780 | 139 | 19,000 | 211 | 27,500 | 6,840 | 30,200 | 6,130 | --- | --- |

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

| Day | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
|--------------|---------|------|----------|------|----------|------|---------|------|----------|------|-------|------|
| | October | | November | | December | | January | | February | | March | |
| 1 | 27.6 | 26.7 | 20.5 | 18.8 | 16.3 | 15.0 | 14.2 | 12.3 | 11.8 | 10.5 | 16.3 | 13.7 |
| 2 | 27.4 | 26.5 | 21.0 | 19.4 | 18.3 | 15.9 | 12.3 | 9.9 | 12.1 | 10.6 | 17.3 | 14.2 |
| 3 | 27.2 | 26.4 | 20.4 | 19.6 | 17.8 | 16.4 | 10.2 | 8.8 | 13.6 | 11.4 | 18.0 | 15.4 |
| 4 | 27.2 | 26.5 | 20.5 | 18.6 | 16.6 | 14.1 | 9.9 | 8.2 | 14.7 | 12.2 | 17.9 | 16.4 |
| 5 | 27.5 | 26.5 | 21.0 | 19.3 | 15.9 | 14.3 | 10.1 | 8.9 | 16.2 | 13.4 | 17.7 | 15.3 |
| 6 | 27.9 | 26.8 | 20.4 | 19.2 | 15.1 | 14.0 | 11.8 | 9.5 | 16.8 | 14.8 | 16.9 | 14.6 |
| 7 | 27.9 | 27.1 | 19.4 | 16.9 | 15.8 | 14.5 | 12.3 | 10.4 | 16.9 | 14.9 | 16.8 | 14.1 |
| 8 | 27.8 | 27.3 | 18.5 | 16.2 | 16.8 | 14.8 | 13.9 | 11.7 | 16.6 | 14.8 | 14.2 | 13.4 |
| 9 | 28.0 | 26.9 | 18.4 | 16.5 | 17.1 | 15.5 | 14.6 | 12.8 | 16.3 | 14.5 | 14.5 | 12.9 |
| 10 | 28.0 | 26.9 | 19.1 | 17.0 | 18.1 | 16.5 | 15.3 | 13.1 | 16.3 | 14.9 | 14.9 | 13.3 |
| 11 | 27.5 | 25.6 | 19.3 | 17.9 | 18.6 | 17.3 | 15.4 | 14.0 | 16.6 | 15.5 | 15.4 | 14.2 |
| 12 | 25.9 | 24.2 | 19.9 | 18.7 | 19.2 | 17.8 | 14.8 | 13.5 | 16.5 | 15.8 | 16.3 | 14.8 |
| 13 | 25.5 | 23.8 | 20.9 | 19.2 | 20.1 | 18.1 | 15.1 | 14.1 | 15.8 | 14.3 | 17.0 | 15.0 |
| 14 | 24.6 | 23.3 | 21.4 | 19.9 | 19.6 | 18.7 | 14.5 | 13.4 | 14.5 | 13.3 | 18.0 | 15.6 |
| 15 | 25.6 | 24.0 | 20.4 | 18.2 | 20.4 | 18.7 | 14.4 | 13.0 | 14.6 | 13.7 | 18.6 | 16.8 |
| 16 | 26.0 | 24.7 | 18.3 | 17.3 | 19.5 | 15.5 | 14.0 | 12.3 | 15.1 | 14.1 | 18.7 | 17.7 |
| 17 | 26.2 | 25.1 | 17.9 | 16.9 | 15.5 | 14.3 | 12.9 | 11.9 | 15.4 | 14.7 | 19.1 | 18.2 |
| 18 | 26.8 | 25.5 | 18.9 | 17.8 | 15.0 | 13.9 | 12.8 | 12.1 | 15.4 | 14.3 | 19.8 | 18.6 |
| 19 | 26.3 | 25.4 | 19.2 | 18.0 | 16.3 | 14.1 | 12.3 | 10.4 | 15.4 | 14.0 | 20.2 | 19.4 |
| 20 | 25.7 | 24.5 | 19.6 | 18.6 | 15.7 | 15.2 | 10.7 | 9.0 | 15.9 | 14.4 | 19.9 | 18.3 |
| 21 | 24.8 | 24.0 | 20.7 | 19.4 | 15.6 | 15.2 | 9.8 | 8.6 | 16.5 | 14.9 | 19.2 | 17.5 |
| 22 | 24.5 | 24.1 | 20.4 | 17.9 | 16.1 | 15.2 | 10.7 | 9.0 | 16.9 | 15.9 | 20.5 | 18.8 |
| 23 | 24.4 | 21.3 | 18.3 | 16.6 | 15.9 | 14.2 | 10.8 | 9.5 | 17.6 | 15.9 | 20.3 | 18.3 |
| 24 | 21.7 | 18.9 | 16.7 | 15.0 | 14.4 | 13.1 | 10.5 | 9.5 | 16.6 | 16.0 | 18.9 | 17.5 |
| 25 | 19.4 | 17.2 | 15.7 | 15.1 | 13.8 | 12.7 | 9.8 | 9.1 | 17.7 | 16.3 | 17.9 | 16.8 |
| 26 | 19.5 | 17.6 | 16.6 | 15.4 | 13.0 | 12.2 | 9.6 | 8.6 | 17.9 | 16.7 | 18.2 | 16.6 |
| 27 | 19.2 | 17.8 | 15.7 | 15.0 | 13.5 | 12.8 | 10.5 | 9.2 | 16.7 | 14.8 | 18.7 | 17.4 |
| 28 | 18.8 | 17.5 | 15.7 | 14.1 | 14.3 | 13.1 | 10.4 | 9.6 | 15.6 | 14.5 | 19.8 | 18.5 |
| 29 | 19.3 | 17.8 | 16.5 | 14.6 | 14.3 | 13.4 | 11.9 | 10.3 | 15.2 | 13.8 | 20.0 | 19.2 |
| 30 | 19.2 | 17.8 | 16.8 | 14.9 | 13.9 | 13.3 | 11.7 | 10.3 | --- | --- | 20.7 | 19.6 |
| 31 | 20.0 | 18.3 | --- | --- | 14.4 | 13.0 | 11.0 | 10.2 | --- | --- | 21.3 | 20.1 |
| Month | 28.0 | 17.2 | 21.4 | 14.1 | 20.4 | 12.2 | 15.4 | 8.2 | 17.9 | 10.5 | 21.3 | 12.9 |

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

| Day | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
|--------------|-------|------|------|------|------|------|------|------|--------|------|-----------|-----|
| | April | | May | | June | | July | | August | | September | |
| 1 | --- | 21.1 | 23.6 | 22.1 | 30.5 | 27.3 | 30.1 | 28.7 | 29.9 | 29.1 | --- | --- |
| 2 | --- | --- | 23.9 | 21.9 | 30.4 | 28.7 | 30.5 | 28.8 | 30.1 | 28.5 | --- | --- |
| 3 | --- | --- | 24.5 | 23.0 | 30.8 | 28.9 | 30.3 | 29.2 | 30.2 | 29.4 | --- | --- |
| 4 | --- | --- | 24.9 | 23.2 | 30.6 | 28.8 | 30.5 | 29.4 | 29.7 | 28.6 | --- | --- |
| 5 | --- | --- | 24.3 | 23.3 | 29.7 | 28.5 | 30.5 | 29.5 | 30.1 | 28.5 | --- | --- |
| 6 | --- | --- | 24.7 | 22.9 | 29.7 | 28.3 | 30.3 | 29.0 | 31.8 | 29.6 | --- | --- |
| 7 | --- | --- | 25.0 | 22.5 | 30.1 | 28.7 | 30.9 | 29.0 | 32.0 | 29.6 | --- | --- |
| 8 | 23.6 | --- | 25.0 | 23.2 | 30.6 | 28.8 | 31.6 | 29.7 | 30.7 | 29.2 | --- | --- |
| 9 | 23.4 | 22.3 | 26.1 | 23.8 | 30.5 | 29.0 | 31.9 | 29.8 | 31.4 | 29.0 | --- | --- |
| 10 | 23.9 | 22.7 | 27.0 | 24.6 | 30.6 | 29.0 | 32.2 | 30.3 | 31.1 | 29.2 | --- | --- |
| 11 | 25.2 | 23.4 | 26.9 | 25.4 | 31.0 | 29.1 | 32.5 | 30.2 | 30.6 | 28.5 | --- | --- |
| 12 | 24.8 | 23.1 | 26.4 | 24.8 | 30.5 | 29.5 | 32.1 | 29.8 | 29.5 | 28.2 | --- | --- |
| 13 | 23.1 | 21.5 | 26.0 | 24.4 | 30.3 | 28.9 | 32.0 | 30.2 | 29.2 | 27.2 | --- | --- |
| 14 | 21.6 | 20.0 | 25.7 | 25.1 | 30.9 | 29.4 | 31.6 | 29.8 | 29.5 | 27.8 | --- | --- |
| 15 | 20.3 | 18.4 | 25.4 | 24.7 | 30.4 | 29.7 | 30.9 | 29.2 | 29.8 | 28.4 | --- | --- |
| 16 | 20.1 | 18.6 | 25.2 | 24.5 | 30.9 | 29.6 | 31.4 | 29.4 | 29.4 | 28.0 | --- | --- |
| 17 | 20.7 | 18.8 | 24.9 | 23.7 | 30.8 | 29.7 | 31.4 | 30.0 | 29.6 | 27.8 | --- | --- |
| 18 | 19.9 | 19.2 | 25.1 | 24.1 | 30.6 | 29.5 | 31.6 | 30.1 | 31.2 | 28.5 | --- | --- |
| 19 | 21.0 | 19.2 | 26.1 | 24.3 | 30.4 | 29.1 | 31.3 | 30.1 | 30.0 | 29.0 | --- | --- |
| 20 | 21.8 | 19.7 | 26.1 | 24.9 | 30.3 | 29.2 | 31.8 | 30.4 | 30.8 | 28.6 | --- | --- |
| 21 | 23.4 | 20.7 | 26.9 | 25.2 | 30.9 | 29.4 | 32.2 | 30.7 | 32.2 | 29.4 | --- | --- |
| 22 | 23.7 | 21.8 | 26.4 | 25.3 | 30.5 | 29.2 | 31.8 | 30.8 | 32.2 | 29.8 | --- | --- |
| 23 | 24.7 | 22.7 | 26.4 | 24.8 | 30.7 | 29.2 | 31.0 | 29.9 | 30.5 | 29.6 | --- | --- |
| 24 | 24.7 | 23.7 | 27.4 | 25.5 | 31.3 | 29.6 | 31.2 | 29.4 | 29.6 | 25.7 | --- | --- |
| 25 | 24.7 | 23.5 | 28.5 | 25.9 | 31.5 | 29.9 | 31.9 | 29.9 | 26.5 | 25.9 | --- | --- |
| 26 | 24.8 | 23.7 | 29.0 | 26.6 | 30.6 | 29.4 | 32.1 | 30.6 | 27.8 | 25.9 | --- | --- |
| 27 | 24.4 | 23.4 | 29.1 | 27.0 | 31.0 | 29.1 | 31.3 | 29.9 | 29.0 | 27.0 | --- | --- |
| 28 | 23.9 | 22.7 | 28.6 | 26.9 | 30.5 | 29.4 | 31.7 | 29.3 | 30.0 | 27.6 | --- | --- |
| 29 | 23.0 | 21.9 | 28.9 | 27.4 | 30.2 | 28.9 | 31.0 | 29.7 | 30.0 | 28.4 | --- | --- |
| 30 | 24.4 | 22.3 | 29.0 | 27.0 | 30.1 | 29.0 | 30.7 | 29.2 | 30.1 | 28.9 | --- | --- |
| 31 | --- | --- | 29.6 | 27.1 | --- | --- | 30.3 | 29.1 | 29.9 | 28.6 | --- | --- |
| Month | --- | --- | 29.6 | 21.9 | 31.5 | 27.3 | 32.5 | 28.7 | 32.2 | 25.7 | --- | --- |