



# 2025 TIDES & CURRENTS



*With Compliments of*

# The Pilots' Association



---

## *for the Bay & River Delaware*

Captain David K. Cuff, President  
800 S. Columbus Boulevard  
Philadelphia, PA 19147

Pilots for all ports on the Delaware River to Trenton, NJ, including services for the Chesapeake and Delaware Canal. Pilot office open and Pilots available 24 hours a day. Masters or agents are requested to advise Delaware Pilots of arrivals and/or sailing times as early as possible.

|                  |                    |              |
|------------------|--------------------|--------------|
| Dispatchers      | – 24 Hours A Day – | 215-465-8340 |
| Administration   |                    | 215-465-2871 |
| Accounting Dept. |                    | 215-465-8362 |
| FAX              |                    | 215-465-3970 |

VHF Call Sign: WHW 827  
Email: [dispatch@delpilots.com](mailto:dispatch@delpilots.com)  
Pilot Station: 41 Cape Henlopen Drive, Lewes, DE 19958

Pilot Boarding: DELAWARE PILOTS (WHW 819)

Latitude 38°46'14" N                      Longitude 75°01'20" W

Pilots are boarded at the mouth of the Delaware Bay in the vicinity of RACON Buoy "CH" in an area bounded by Buoys "DF", "3HC", "5" and "6". Pilot launches are aluminum or black hulled with white or aluminum houses and the word PILOT displayed in large letters.



**SEAMEN'S CHURCH  
INSTITUTE  
OF PHILADELPHIA**

1113 Admiral Peary Way  
2nd Floor

Philadelphia, PA 19112

Tel#: 215-922-2562

Fax#: 215-922-0737

email: [seamens@sciphiladelphia.org](mailto:seamens@sciphiladelphia.org)

[www.sciphiladelphia.org](http://www.sciphiladelphia.org)

Weekdays 0900 - 2130

Weekends 1200 - 2100



**SEAMEN'S  
CENTER of  
WILMINGTON** Incorporated

Port of Wilmington

P.O. Box 405

Wilmington, DE 19899

Tel#: 302-575-1300

Fax#: 302-575-0956

[www.scwde.org](http://www.scwde.org)

email: [scw@scwde.org](mailto:scw@scwde.org)

Monday - Thursday 9-9

Friday 9-4 Saturday 12-5 Sunday 1-9

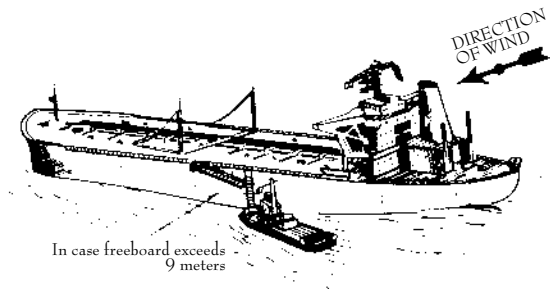
## TABLE OF CONTENTS

|                                              |       |
|----------------------------------------------|-------|
| Pilot Ladder Requirements . . . . .          | 4     |
| Launch Services . . . . .                    | 5     |
| VHF Radio Communications . . . . .           | 6-7   |
| Port Phone Numbers . . . . .                 | 8-9   |
| Bridge Heights. . . . .                      | 10-11 |
| Distances Coastal - River . . . . .          | 12-13 |
| Determining the Air Draft of a Ship. . . . . | 14    |
| Pitch and Heel Tables. . . . .               | 15    |
| Special Case Bearings . . . . .              | 15    |
| Right Whale Speed Restrictions . . . . .     | 16    |
| Anchorage Recommendations . . . . .          | 17    |
| Tug Horsepower . . . . .                     | 17    |
| Pier Abbreviations . . . . .                 | 18-19 |
| Delaware River Ship Berths . . . . .         | 20    |
| Upriver Courses - In & Out . . . . .         | 21-22 |
| 2 Year Calendar - 2025 & 2026 . . . . .      | 23    |

### TIDES AND CURRENTS:

|                                         |     |
|-----------------------------------------|-----|
| Breakwater Harbor - Delaware            |     |
| Bay Entrance . . . . .                  | 25  |
| Reedy Point - Chesapeake City . . . . . | 51  |
| Marcus Hook. . . . .                    | 77  |
| Philadelphia Tides. . . . .             | 103 |

# Pilot Ladder Requirements



## REQUIREMENTS

1. Pilot ladder; fitted with spreaders in accordance with SOLAS Regulation 17 chapter V, on ship's lee side and keep the lowest rung 1.5 meters above the water. Pull up rope to be attached to the lower end of the ladder. A sturdy and clean ladder is appreciated.
2. Light: sufficiently illuminate the ladder at night.
3. Heaving Line on hand and ready for use.
4. Boarding speed of about 8 knots.

## Notice

Please be advised that we require notice of two (2) hours before getting underway from Big Stone Beach. We monitor Channels 14 and 16, or please notify Delaware Pilots, Philadelphia, PA.

### Launch Services

|                                                                                                 |                              |
|-------------------------------------------------------------------------------------------------|------------------------------|
| HARTZEL'S LAUNCH Ch. 13<br>(Kaighn's Point Anchorage)                                           | 856-438-0050<br>609-870-7797 |
| HUEBERS LAUNCH Ch. 13<br>(Mantua Creek Anchorage)<br>(Marcus Hook Anchorage)                    | 610-485-0852                 |
| WILMINGTON LAUNCH Ch. 74<br>SERVICE, INC.<br>(Deepwater Pt. Anchorage)<br>(Reedy Pt. Anchorage) | 302-652-1666                 |
| DELAWARE BAY LAUNCH SERVICE Ch. 09<br>(Breakwater & Big Stone Beach Anchorage)                  | 302-422-7604                 |

### Tug Services

|                                |              |
|--------------------------------|--------------|
| McAllister Tugs Ch. 10         | 609-820-0959 |
| Moran Philadelphia Tugs Ch. 12 | 215-755-4700 |
| Wilmington Tugs Ch. 74         | 302-652-1666 |

## **Radio Communications**

### **“Delaware Pilots - WHW 819”**

The Delaware Pilot station is located in the vicinity of Cape Henlopen and maintains a VHF radio listening watch on channel 16 and port operations working channel 14. Inbound vessels are requested to communicate with the Pilot Station at the entrance to the sea-lanes when passing buoys “F or D”. Tows and other coastwise vessels, not requiring a pilot, are requested to report to the Cape Henlopen VTIS one hour before passing in or out of Delaware Bay. Initial call may be made on either channel 16 or 14. The working channel for navigation and bridge-to-bridge communications is VHF channel 13, and it should be used for all ship to ship safety communications.

The Maritime Exchange for the Delaware River & Bay, in conjunction with the Pilots’ Association, operates a vessel traffic information service (VTIS) at Cape Henlopen. Messages relating to position, ETA, docking instructions, may be exchanged on VHF channel 14 through the Cape Henlopen Reporting Station. Vessels in the upper Delaware Bay and River are requested to report to the Maritime Exchange for the Delaware River & Bay (WQTI 703) on channel 14 upon arriving or sailing from a pier or an anchorage. To obtain the maximum benefit of this service, all vessels are requested to monitor VHF channels 16 or 14 in addition to channel 13 while transiting the Delaware Bay and River.

### **VHF Radio Channels in Ports of Philadelphia**

| <u>Channel</u> | <u>Frequency</u> | <u>Station</u>              |
|----------------|------------------|-----------------------------|
| 09             | 156.450          | Delaware Bay Launch Service |
| 10             | 156.500          | McAllister Brothers Tugs    |



|     |         |                                                                                                    |
|-----|---------|----------------------------------------------------------------------------------------------------|
| 12  | 156.600 | Moran Philadelphia Towing Company                                                                  |
| 13  | 156.650 | Hartzel's Launch Service Inc.<br>Philadelphia Barge Company<br>Bridge-to-Bridge<br>Navigation Only |
| 14  | 156.700 | Delaware River VTIS - WHW 819<br>Delaware Pilot Office - WHW 827<br>Maritime Exchange - WQTI 703   |
| 16  | 156.800 | Calling and Distress Only                                                                          |
| 18A | 156.900 | Kirby Offshore Marine                                                                              |
| 19A | 156.950 | Vane Brothers                                                                                      |
| 22A | 157.100 | U.S. Coast Guard Working<br>Channel                                                                |
| 65A | 156.275 | Weeks Marine<br>Fisherman's Wharf (Lewes)                                                          |
| 74  | 156.725 | Wilmington Tug and Launch                                                                          |
| 79A | 156.975 | OSG                                                                                                |
| 80A | 157.025 | Hays Tug & Launch<br>Reinauer Transportation                                                       |

## Port Phone Numbers

|                                  | <u>Phone Number</u>             |
|----------------------------------|---------------------------------|
| Baltimore Pilots                 | (410) 342-6013                  |
| BSB Launch                       | (302) 422-7604                  |
| C & D Canal                      | (410) 885-5580                  |
| C & D Pilot Shack                | (410) 885-2100                  |
| Cape May Ferry                   | (609) 889-7260                  |
| Cape May Ferry (Lewes)           | (302) 644-6030                  |
| Coast Guard (COTP)               | (215) 271-4800                  |
| Customs House                    | (215) 717-5800                  |
| Express Marine                   | (856) 541-4600                  |
| Fisherman's Wharf (Lewes)        | (302) 645-8862                  |
| Hartzel's Launch Service, Inc.   | (856) 438-0050 & (609) 870-7797 |
| Hayes Towing                     | (610) 485-5879                  |
| Hog Island Launch                | (610) 485-0852                  |
| Hueber's Launch                  | (610) 485-0852                  |
| Kirby Offshore Marine            | (713) 435-1330                  |
| Maritime Exchange (New York)     | (212) 425-5704                  |
| Maritime Exchange (Philadelphia) | (215) 925-1524                  |
| McAllister Tugs                  | (609) 820-0950                  |
| Miller Environmental Services    | (631) 369-4900                  |
| Moran Philadelphia Tugs          | (215) 755-4700                  |
| New York Pilots' Association     | (718) 448-3900                  |
| Virginia Pilots' Association     | (757) 496-0995                  |
| Overseas Shipholding Group       | (212) 578-1968                  |
| Penn Maritime                    | (203) 964-0009                  |
| Philadelphia Airport Operations  | (215) 937-7943                  |
| Philadelphia Barge Company       | (610) 742-0299                  |
| Reinauer Transportation          | (718) 816-8167                  |
| U.S. Army Engineers              | (215) 656-6500                  |
| Vane Brothers                    | (410) 631-5096                  |
| Weeks Marine                     | (856) 963-0963                  |
| Wilmington Tug & Launch          | (302) 652-1666                  |

## **Bridges**

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Delair Pennsylvania Railroad Bridge | (856) 231-2312                                 |
| Tacony-Palmyra Bascule Bridge       | Direct: (856) 735-1211<br>Cell: (609) 922-2843 |
| Burlington Lift Bridge              | Direct: (856) 735-1212<br>Cell: (609) 922-2804 |
| Passyunk Ave. Bascule Bridge        | (215) 686-4514                                 |
| University Ave. Bridge              | (215) 686-4514                                 |
| Riverside/Delanco Operator Trailer  | Direct: (856) 735-1213<br>Cell: (609) 922-2888 |
| Police Supervisor BCBC              | Direct: (856) 735-1230<br>Cell: (609) 922-2921 |

## **Other**

|              |                |
|--------------|----------------|
| Amtrak Train | (800) 872-7245 |
|--------------|----------------|

## Bridge Heights Delaware River and Vicinity

### Delaware Memorial Bridges

|                                   |                      |
|-----------------------------------|----------------------|
| Horizontal Clearance              | 2000 feet (609.60 m) |
| Vertical Clearance at Main Towers | 166 feet ( 50.59 m)  |
| Vertical Clearance                |                      |
| Middle 1500 feet (457.20 m)       | 175 feet ( 53.34 m)  |
| Vertical Clearance                |                      |
| Middle 800 feet (243.84 m)        | 188 feet ( 57.30 m)  |

### Commodore John Barry Bridge

|                                  |                      |
|----------------------------------|----------------------|
| Horizontal Clearance             | 1600 feet (487.68 m) |
| Vertical Clearance Middle        | 191'10" ( 58.47 m)   |
| Vertical Clearance Channel Edges | 189'4" ( 57.70 m)    |

### Walt Whitman Bridge

|                                |                      |
|--------------------------------|----------------------|
| Horizontal Clearance           | 1930 feet (588.26 m) |
| Vertical Clearance             | 139 feet ( 42.36 m)  |
| Vertical Clearance (at Center) | 150 feet ( 45.72 m)  |

### Benjamin Franklin Bridge

|                                                               |                      |
|---------------------------------------------------------------|----------------------|
| Horizontal Clearance                                          | 1686 feet (513.89 m) |
| Vertical Clearance                                            | 128 feet ( 39.01 m)  |
| Vertical Clearance (for middle 800 feet - 243.84 m - of span) | 135 feet ( 41.14 m)  |
| Vertical Clearance (at Center)                                | 143 feet ( 43.59 m)  |

### Delair Pennsylvania Railroad Lift Bridge

|                           |                     |
|---------------------------|---------------------|
| Horizontal Clearance      | 500 feet (152.40 m) |
| Vertical Clearance – Down | 49 feet ( 14.93 m)  |
| Vertical Clearance – Up   | 135 feet ( 41.14 m) |

### Betsy Ross Bridge

|                                      |                     |
|--------------------------------------|---------------------|
| Horizontal Clearance                 | 696 feet (212.14 m) |
| Vertical Clearance at Fenders        | 143 feet ( 43.59 m) |
| Vertical Clearance for Channel Width | 140 feet ( 42.70 m) |

### \*Tacony-Palmyra Bascule Bridge

|                      |                     |
|----------------------|---------------------|
| Horizontal Clearance | 240 feet ( 73.15 m) |
| Vertical Clearance   | 50 feet ( 15.24 m)  |

\*If Possible Avoid Openings (0645-0845, 1600-1800). Overhead Cables Finn's Pt. 223' (67.97 m) Overhead Cable at Chester 210 feet (64.00 m). All Overhead Cables in Delaware River above Philadelphia 140 feet (42.67 m)

|                             |                     |
|-----------------------------|---------------------|
| Burlington Lift Bridge      |                     |
| Horizontal Clearance        | 500 feet (152.40 m) |
| Vertical Clearance – Closed | 61 feet ( 18.59 m)  |
| Vertical Clearance – Open   | 133 feet ( 40.54 m) |

|                                    |                     |
|------------------------------------|---------------------|
| Pennsylvania Turnpike Fixed Bridge |                     |
| Horizontal Clearance               | 550 feet (167.64 m) |
| Vertical Clearance                 | 135 feet ( 41.14 m) |

### **Schuylkill River Bridges**

|                                 |                    |
|---------------------------------|--------------------|
| Naval Reserve Basin Lift Bridge |                    |
| Horizontal Clearance            | 200 feet (60.96 m) |
| Vertical Clearance – Closed     | 6 feet (1.83 m)    |
| Vertical Clearance – Open       | 150 feet (45.72 m) |

|                          |                      |
|--------------------------|----------------------|
| Girard Pt. Bridge (I-95) |                      |
| Horizontal Clearance     | 400 feet ( 121.91 m) |
| Vertical Clearance       | 135 feet ( 41.15 m)  |

|                      |                     |
|----------------------|---------------------|
| Penrose Ave. Bridge  |                     |
| Horizontal Clearance | 339 feet (103.32 m) |
| Vertical Clearance   | 135 feet ( 41.15 m) |

|                              |                     |
|------------------------------|---------------------|
| Passyunk Ave. Bascule Bridge |                     |
| Horizontal Clearance         | 200 feet ( 60.96 m) |
| Vertical Clearance – Closed  | 50 feet ( 15.24 m)  |

### **Bridges in Chesapeake and Delaware Canal**

(Surveyed by the MD Department of Transportation)

|                             |                        |
|-----------------------------|------------------------|
| Reedy Point Fixed Bridge    |                        |
| Horizontal Clearance        | 550 feet (167.64 m)    |
| Vertical Clearance (Center) | 135.62 feet ( 41.33 m) |

|                               |                       |
|-------------------------------|-----------------------|
| St. Georges Fixed Bridge East |                       |
| Horizontal Clearance          | 523 feet (159.41 m)   |
| Vertical Clearance (Center)   | 137.2 feet ( 41.81 m) |

|                               |                     |
|-------------------------------|---------------------|
| St. Georges Fixed Bridge West |                     |
| Vertical Clearance (Center)   | 142 feet ( 43.28 m) |

|                                   |                       |
|-----------------------------------|-----------------------|
| PRR Lift Bridge at Lorewood Grove |                       |
| Horizontal Clearance              | 522 feet (159.10 m)   |
| Vertical Clearance – Down         | 45 feet ( 13.71 m)    |
| Vertical Clearance (Center) – Up  | 138.4 feet ( 42.18 m) |

|                       |                       |
|-----------------------|-----------------------|
| Gas Pipeline Crossing | 141.0 feet ( 42.97 m) |
|-----------------------|-----------------------|

|                             |                       |
|-----------------------------|-----------------------|
| Summit Fixed Bridge         |                       |
| Horizontal Clearance        | 550 feet (167.64 m)   |
| Vertical Clearance (Center) | 138.4 feet ( 42.18 m) |

|                              |                       |
|------------------------------|-----------------------|
| Chesapeake City fixed Bridge |                       |
| Horizontal Clearance         | 523 feet (159.41 m)   |
| Vertical Clearance (Center)  | 140.9 feet ( 42.94 m) |

## Distances Along Atlantic Coast

| Port         | Port                           | Total<br>Distance | Pilot to<br>Pilot |
|--------------|--------------------------------|-------------------|-------------------|
| Philadelphia | Halifax                        | 746 miles         | 652 miles         |
| Philadelphia | Boston<br>(via Nantucket)      | 523 miles         | 420 miles         |
| Philadelphia | Boston (via<br>Cape Cod Canal) | 411 miles         | 313 miles         |
| Philadelphia | New York                       | 240 miles         | 135 miles         |
| Philadelphia | Norfolk (outside)              | 263 miles         | 155 miles         |
| Philadelphia | Norfolk (via<br>C & D Canal)   | 249 miles         |                   |
| Philadelphia | Richmond (outside)             | 340 miles         | 155 miles         |
| Philadelphia | Baltimore (via<br>C & D Canal) | 98 miles          |                   |
| Philadelphia | Baltimore (Outside)            | 392 miles         | 155 miles         |
| Philadelphia | Charleston                     | 607 miles         | 508 miles         |
| Philadelphia | Savannah                       | 681 miles         | 574 miles         |
| New York     | Baltimore (Outside)            | 417 miles         | 250 miles         |
| New York     | Baltimore (via<br>C & D Canal) | 268 miles         | 135 miles         |

Vessels Bound to Baltimore from European or Canadian ports can save approximately 125 miles by using the Chesapeake and Delaware Canal.

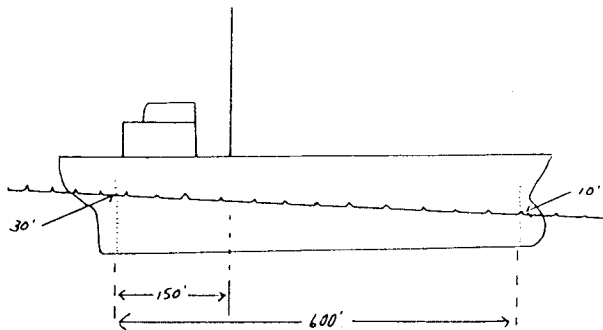
## Delaware River Distances

|                       |                           | <b>Nautical<br/>Miles</b> |
|-----------------------|---------------------------|---------------------------|
| Delaware Bay Entrance | East Entrance             |                           |
|                       | C & D Canal               | 53                        |
| Delaware Bay Entrance | Chesapeake City           | 67                        |
| Delaware Bay Entrance | Baltimore                 |                           |
|                       | (via C & D Canal)         | 115                       |
| Delaware Bay Entrance | Wilmington                | 62                        |
| Delaware Bay Entrance | Marcus Hook               | 69                        |
| Delaware Bay Entrance | Commodore Barry           |                           |
|                       | Bridge                    | 71                        |
| Delaware Bay Entrance | Penn Terminal             | 73.5                      |
| Delaware Bay Entrance | Paulsboro                 | 77                        |
| Delaware Bay Entrance | Hog Island                | 78.5                      |
| Delaware Bay Entrance | Fort Mifflin              | 79.5                      |
| Delaware Bay Entrance | Eagle Point               | 82.5                      |
| Delaware Bay Entrance | Walt Whitman Bridge       | 84                        |
| Delaware Bay Entrance | Ben Franklin Bridge       | 87                        |
| Delaware Bay Entrance | Delair Bridge             | 90.5                      |
| Delaware Bay Entrance | Tacony - Palmyra Bridge   | 93                        |
| Delaware Bay Entrance | Northern Metals           | 94                        |
| Delaware Bay Entrance | Burlington Bristol Bridge | 102                       |
| Delaware Bay Entrance | Pennsylvania Turnpike     |                           |
|                       | Bridge                    | 105                       |
| Delaware Bay Entrance | Fairless                  | 109.5                     |

## DETERMINING THE AIR DRAFT OF A SHIP NOT ON EVEN KEEL

HEIGHT OF THE MAST is the distance from the keel to the top of the mast. AIR DRAFT is the distance from the waterline to the top of the mast.

To determine the air draft of a ship not on even keel take the difference in draft fore and aft, DIVIDE by the Length Between Perpendiculars, TIMES the Distance from the deepest perpendicular to the mast. This is the increase in Air Draft above that determined by subtracting the deepest draft from the height of the mast.



$$\frac{20}{600} \times \frac{150}{1} = 5 \quad \text{or}$$

---

$$30 - 10 = 20$$

$$(20 \div 600) \times 150 = 5 \text{ Feet}$$

Actual Air Draft is 5 Feet More Than If  
Using Deepest Draft



## **INCREASE IN DRAFT DUE TO PITCH (IN FEET)**

| <b>Length</b> | <b>0.5°</b> | <b>1.0°</b> | <b>2.0°</b> |
|---------------|-------------|-------------|-------------|
| 500'          | 2.18        | 4.36        | 8.72        |
| 600'          | 2.62        | 5.23        | 10.46       |
| 700'          | 3.05        | 6.10        | 12.21       |
| 800'          | 3.49        | 6.98        | 13.96       |
| 900'          | 3.92        | 7.85        | 15.70       |
| 1000'         | 4.36        | 8.73        | 17.45       |

table assumes tipping center is at mid-point

## **INCREASE IN DRAFT DUE TO HEEL (IN FEET)**

(Beam ÷ 2 x Sine of Angle)

| <b>Beam</b> | <b>5°</b> | <b>10°</b> |
|-------------|-----------|------------|
| 40'         | 1.74      | 3.47       |
| 60'         | 2.61      | 5.21       |
| 80'         | 3.48      | 6.95       |
| 100'        | 4.35      | 8.68       |
| 150'        | 6.54      | 13.02      |
| 200'        | 8.72      | 17.36      |

## **SPECIAL CASE BEARINGS**

|           |               |                   |               |
|-----------|---------------|-------------------|---------------|
| 1st Angle | 2nd Angle     | Dist. 2nd Bearing | Dist. Abeam   |
| 45°       | 90°           | Distance Run      | Distance Run  |
| Anything  | 2 X 1st Angle | Distance Run      |               |
| 30°       | 60°           | Distance Run      | 7/8 Dist. Run |
| 22 1/2°   | 45°           | Distance Run      | .7 Dist. Run  |
| 26 1/2°   | 45°           | 1.4 Dist. Run     | Distance Run  |

Rule of 60 Distance Abeam= Range X Bearing ÷ 60

## **SPEED RESTRICTION IMPOSED TO PROTECT NORTH ATLANTIC RIGHT WHALES**

NOAA has established regulations to implement a 10-knot speed restriction for all vessels 65 ft. (19.8 m) or longer in certain locations along the east coast of the U.S. Atlantic seaboard at certain times of the year. These regulations are designed to protect endangered North Atlantic right whales by reducing the likelihood of collisions between ships and whales

The 10-knot speed restriction will extend out to 20 nautical miles around major mid-Atlantic ports.

The speed restriction also applies in waters off New England and the southeastern U.S., where whales gather seasonally.

The speed restrictions apply in the following approximate locations at the following times; they are based on times whales are known to be in these areas:

- Southeastern U.S. from St. Augustine, FL. to Brunswick, GA from Nov. 15 to April 15
- Mid-Atlantic U.S. areas from Brunswick, GA to Rhode Island from Nov. 1 to April 30
- Cape Cod Bay from Jan. 1 to May 15
- Off Race Point at northern end of Cape Cod from March 1 to April 30
- Great South Channel of New England from April 1 to July 31

### **DELAWARE BAY RESTRICTION**

November 1st to April 30th

Within a 20 nm (37 km) radius as measured seaward from the COLREGS line center point at

38° 52' 27.4"N 075° 01' 32.1"W.

## Anchorage Recommendations:

|                                 | LOA  | DRAFT |
|---------------------------------|------|-------|
| Bigstone Beach Tanker Anchorage |      | 55'   |
| Wilmington Anchorage #6         | 700' | 35'   |
| Marcus Hook Anchorage #7        |      | 40'   |
| Mantua Creek Anchorage #9       | 700' | 37'   |
| Kaighn's Point Anchorage #12    | 600' | 34'   |

## Tug Horsepower/Bollard Pull:

### McAllister

|                              |       |         |                                                    |
|------------------------------|-------|---------|----------------------------------------------------|
| <i>Beverly R. McAllister</i> | 5000  | 60 tons | Z-Drive Tractor                                    |
| <i>McAllister Responder</i>  | 3,000 | 39 tons | twin screw<br>Kort Knozzle,<br>flanking rudders    |
| <i>Reid McAllister</i>       | 4,000 | 54 tons | Z-Drive Tractor                                    |
| <i>Robert McAllister</i>     | 4,000 | 52 tons | Z-Drive Tractor                                    |
| <i>Suzanne McAllister</i>    | 6,700 | 80 tons | Tractor                                            |
| <i>Teresa McAllister</i>     | 2200  | 34 tons | single screw,<br>Kort Knozzle,<br>flanking rudders |

### Moran

|                                |       |         |                    |
|--------------------------------|-------|---------|--------------------|
| <i>Annabelle Dorothy Moran</i> | 5,100 | 80 tons | twin screw z-drive |
| <i>Bart Turecamo</i>           | 3,000 | 33 tons | twin screw         |
| <i>Cape Lookout</i>            | 4,100 | 60 tons | tractor            |

### Wilmington Tug

|                    |      |         |                    |
|--------------------|------|---------|--------------------|
| <i>Capt. Harry</i> | 4200 | 54 tons | twin screw tractor |
| <i>Lindsey</i>     | 2600 | 36 tons | twin screw tractor |
| <i>Madeline</i>    | 4800 | 65 tons | twin screw tractor |
| <i>Sally</i>       | 2400 | 35 tons | twin screw tractor |
| <i>Sonie</i>       | 4800 | 65 tons | twin screw tractor |
| <i>Tina</i>        | 1800 | 20 tons | twin screw tractor |

## PIER ABBREVIATIONS

| <b>Name</b>                     | <b>Abb</b> |
|---------------------------------|------------|
| Delta Buoy                      | D BUOY     |
| Sea                             | SEA        |
| Cape May                        | C MAY      |
| Breakwater                      | BW         |
| Big Stone Beach                 | BSB        |
| Bombay Hook Anchorage           | BHA        |
| Artificial Island Anchorage     | AIA        |
| Reedy Point Anchorage           | RPA        |
| Chesapeake & Delaware Canal     | CANAL      |
| Salem                           | SALEM      |
| PBF Energy Delaware City        | DELCTY     |
| Buckeye Wilmington              | WMO        |
| Port of Wilmington              | WMT        |
| Wilmington Anchorage            | WMA        |
| Ocean Port Claymont             | CLAY       |
| Sun Marcus Hook                 | SUN MH     |
| Marcus Hook Anchorage           | MHA        |
| Monroe Energy Trainer           | TRAIN      |
| Penn Terminal                   | PENN T     |
| Peco Eddystone                  | PECO E     |
| Repauno                         | GIBBS      |
| PBF Energy Paulsboro            | PAULS      |
| PBF Logistics Paulsboro         | BILLINGS   |
| Paulsboro Marine Terminal       | PMT        |
| Crown Point Mantua              | MANTUA     |
| Sunoco Logistics Hog Island     | HOG IS     |
| Sunoco Logistics Fort Mifflin   | FT MIF     |
| Mantua Creek Anchorage          | MCA        |
| Philadelphia Naval Shipyard     | NAVY       |
| Sunoco Partners Marine Terminal | EAG PT     |
| Blue Knight Enterprises         | BKE        |
| Pier 124                        | 124S       |
| Pier 122                        | 122S       |

## PIER ABBREVIATIONS

| <b>Name</b>                              | <b>Abb</b> |
|------------------------------------------|------------|
| Packer Avenue                            | PACKER     |
| Holts Terminal                           | HOLTS      |
| 5 Broadway                               | 5 BDWY     |
| 1 Broadway                               | 1 BDWY     |
| Pier 96 South                            | 96S        |
| Pier 84 South                            | 84S        |
| Pier 82 South                            | 82S        |
| Pier 80 South                            | 80S        |
| Pier 78 South                            | 78S        |
| Flintkote                                | FLINTK     |
| Joseph A. Balzano Marine Terminal        | BST        |
| Pier 40 South                            | 40S        |
| Pier 38 South                            | 38S        |
| Penns Landing                            | PN LDG     |
| Kaighns Point                            | KPA        |
| Crowley Petty's Island                   | PETTYS     |
| Contanda                                 | H RICH     |
| 179 North Kinder Morgan                  | 179N       |
| Tioga Terminals                          | TIOGA      |
| Buckeye Energy Services                  | DELAIR     |
| National Gypsum                          | NATGYP     |
| Riverside                                | RIVER      |
| PCI Fairless Hills                       | GROWS      |
| Fairless Hills Kinder Morgan             | FAIR       |
| Duck Island                              | DUCK       |
| Trenton Marine Terminal                  | TRENT      |
| Girard Point                             | GIRARD     |
| Philadelphia Energy Solutions Girard Pt. | PES GP     |
| City Dock                                | CITY       |
| Harkness Point                           | HARKPT     |
| PBF Logistics Schuylkill                 | PBF SCHUY  |
| Sun Point Breeze                         | BREEZE     |

# DELAWARE RIVER SHIP BERTHS

PBF ENERGY  
(Delaware City)  
1 - 2 - 3 Berths  
South to North

SUN MARCUS HOOK  
(Marcus Hook)  
North to South  
1A - 2A - 3A - 3C

MONROE ENERGY  
(Marcus Hook)  
1 - 2  
South to North

PBF ENERGY  
(Paulsboro)  
1 - 2 - 3  
South to North

PBF LOGISTICS  
(Paulsboro)  
1  
North to South

SUN HOG ISLAND  
1 - 2 - 3 - 4  
South to North

SUN FT. MIFFLIN  
(Ft. Mifflin)  
A - B  
South to North

PES GIRARD PT.  
2 - 5 - 8 East to West  
10 Around Bend Upper

SUN EAGLE PT.  
1 Barge Pier  
2 - 3  
North to South

BUCKEYE ENERGY  
1 - 2  
North to South

WILMINGTON MARINE  
TERMINAL  
1 - 2 - 3 - 3 - 4 - 5 - 6 - 7  
+ Autoberth  
East to West

PENN TERMINAL  
(Cargo Berth)  
#6 Southend, Northend

NAVY YARD  
1 - 2 - 3 - 4 - 5 - 6  
North to South

PACKER AVE. TERMINAL  
1 - 2 - 3 - 4 - 5 + B Slip  
North to South

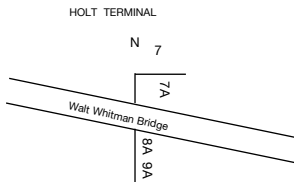
BROADWAY TERMINALS  
1A - 1 - 5  
North to South

BALZANO MARINE TERMINAL  
1 - 2 - 3 - 4  
North to South

TIOGA ST. TERMINAL  
A - Berth 1 - 2 - 3 - 4 - 5  
B - Berth Containers  
South to North

FAIRLESS  
1 - 2 - 3 - 4 Eastwall

GROWS  
1 - 2 - 3 - 4 Westwall



# UPRIVER COURSES

IN

|             | COURSE | DISTANCE | AHEAD | ASTERN |
|-------------|--------|----------|-------|--------|
| Harbor      | 81°    | 0.8      | ● ●   |        |
| Fisher C.   | 70°    | 0.3      |       |        |
| Draw        | 42°    | 0.7      |       |        |
| Delair      | 18°    | 1.0      | ● ●   |        |
| Bridesburg  | 39°    | 0.3      |       |        |
| Frankford   | 61°    | 1.1      | ● ●   | ●      |
| Tacony      | 70°    | 1.2      | ● ●   |        |
| Torresdale  | 42°    | 1.4      | ● ●   | ● ●    |
| Mud Island  | 52°    | 1.7      | ● ●   | ● ●    |
| Enterprise  | 61°    | 1.7      | ● ●   | ● ●    |
| Beverly     | 91°    | 0.7      | ● ●   | ● ●    |
| Edgewater   | 70°    | 1.4      | ● ●   | ● ●    |
| Devlin      | 78°    | 1.0      | ● ●   | ● ●    |
| Lehigh      | 28°    | 0.7      | ● ●   | ● ●    |
| Canal       | 49°    | 0.2      |       |        |
| Bristol     | 62°    | 0.6      |       | ● ●    |
| Keystone    | 39°    | 0.4      |       |        |
| Landreth    | 18°    | 1.2      |       | ● ●    |
| Florence B. | --     | 0.6      |       |        |
| Florence    | 111°   | 1.3      | ● ●   | ●      |
| Roebing     | 80°    | 0.3      | ● ●   |        |
| Kinkora     | 50°    | 1.2      | ● ●   | ● ●    |
| Penn        | 70°    | 0.4      |       |        |

## UPRIVER COURSES OUT

|             | COURSE | DISTANCE | AHEAD | ASTERN |
|-------------|--------|----------|-------|--------|
| Penn        | 250°   | 0.4      |       |        |
| Kinkora     | 230°   | 1.2      | ● ●   | ● ●    |
| Roebing     | 260°   | 0.3      |       | ● ●    |
| Florence    | 291°   | 1.3      | ●     | ● ●    |
| Florence B. | --     | 0.6      |       |        |
| Landreth    | 198°   | 1.2      | ● ●   |        |
| Keystone    | 219°   | 0.4      |       |        |
| Bristol     | 242°   | 0.6      | ● ●   |        |
| Canal       | 229°   | 0.2      |       |        |
| Lehigh      | 208°   | 0.7      | ● ●   | ● ●    |
| Devlin      | 258°   | 1.0      | ● ●   | ● ●    |
| Edgewater   | 250°   | 1.4      | ● ●   | ● ●    |
| Beverly     | 271°   | 0.7      | ● ●   | ● ●    |
| Enterprise  | 241°   | 1.7      | ● ●   | ● ●    |
| Mud Island  | 232°   | 1.7      | ● ●   | ● ●    |
| Torresdale  | 222°   | 1.4      | ● ●   | ● ●    |
| Tacony      | 250°   | 1.2      |       | ● ●    |
| Frankford   | 241°   | 1.1      | ●     | ● ●    |
| Bridesburg  | 219°   | 0.3      |       |        |
| Delair      | 198°   | 1.0      |       | ● ●    |
| Draw        | 222°   | 0.7      |       |        |
| Fisher C.   | 250°   | 0.3      |       |        |
| Harbor      | 261°   | 0.8      |       | ● ●    |



## 2025

| JANUARY |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    | MARCH     |    |    |    |    |    |    |   |
|---------|----|----|----|----|----|----|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|---|
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |   |
|         |    |    | 1  | 2  | 3  | 4  |          |    |    |    |    |    | 1  |           |    |    |    |    |    | 1  |   |
| 5       | 6  | 7  | 8  | 9  | 10 | 11 | 2        | 3  | 4  | 5  | 6  | 7  | 8  | 2         | 3  | 4  | 5  | 6  | 7  | 8  |   |
| 12      | 13 | 14 | 15 | 16 | 17 | 18 | 9        | 10 | 11 | 12 | 13 | 14 | 15 | 9         | 10 | 11 | 12 | 13 | 14 | 15 |   |
| 19      | 20 | 21 | 22 | 23 | 24 | 25 | 16       | 17 | 18 | 19 | 20 | 21 | 22 | 16        | 17 | 18 | 19 | 20 | 21 | 22 |   |
| 26      | 27 | 28 | 29 | 30 | 31 |    | 23       | 24 | 25 | 26 | 27 | 28 |    | 23        | 24 | 25 | 26 | 27 | 28 | 29 |   |
|         |    |    |    |    |    |    |          |    |    |    |    |    |    | 30        | 31 |    |    |    |    |    |   |
| APRIL   |    |    |    |    |    |    | MAY      |    |    |    |    |    |    | JUNE      |    |    |    |    |    |    |   |
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |   |
|         |    | 1  | 2  | 3  | 4  | 5  |          |    |    |    | 1  | 2  | 3  |           | 1  | 2  | 3  | 4  | 5  | 6  | 7 |
| 6       | 7  | 8  | 9  | 10 | 11 | 12 | 4        | 5  | 6  | 7  | 8  | 9  | 10 | 8         | 9  | 10 | 11 | 12 | 13 | 14 |   |
| 13      | 14 | 15 | 16 | 17 | 18 | 19 | 11       | 12 | 13 | 14 | 15 | 16 | 17 | 15        | 16 | 17 | 18 | 19 | 20 | 21 |   |
| 20      | 21 | 22 | 23 | 24 | 25 | 26 | 18       | 19 | 20 | 21 | 22 | 23 | 24 | 22        | 23 | 24 | 25 | 26 | 27 | 28 |   |
| 27      | 28 | 29 | 30 |    |    |    | 25       | 26 | 27 | 28 | 29 | 30 | 31 | 29        | 30 |    |    |    |    |    |   |
| JULY    |    |    |    |    |    |    | AUGUST   |    |    |    |    |    |    | SEPTEMBER |    |    |    |    |    |    |   |
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |   |
|         |    | 1  | 2  | 3  | 4  | 5  |          |    |    |    | 1  | 2  | 3  |           | 1  | 2  | 3  | 4  | 5  | 6  |   |
| 6       | 7  | 8  | 9  | 10 | 11 | 12 | 3        | 4  | 5  | 6  | 7  | 8  | 9  | 7         | 8  | 9  | 10 | 11 | 12 | 13 |   |
| 13      | 14 | 15 | 16 | 17 | 18 | 19 | 10       | 11 | 12 | 13 | 14 | 15 | 16 | 14        | 15 | 16 | 17 | 18 | 19 | 20 |   |
| 20      | 21 | 22 | 23 | 24 | 25 | 26 | 17       | 18 | 19 | 20 | 21 | 22 | 23 | 21        | 22 | 23 | 24 | 25 | 26 | 27 |   |
| 27      | 28 | 29 | 30 | 31 |    |    | 24       | 25 | 26 | 27 | 28 | 29 | 30 | 28        | 29 | 30 |    |    |    |    |   |
|         |    |    |    |    |    |    | 31       |    |    |    |    |    |    |           |    |    |    |    |    |    |   |
| OCTOBER |    |    |    |    |    |    | NOVEMBER |    |    |    |    |    |    | DECEMBER  |    |    |    |    |    |    |   |
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |   |
|         |    |    | 1  | 2  | 3  | 4  |          |    |    |    |    | 1  | 2  |           | 1  | 2  | 3  | 4  | 5  | 6  |   |
| 5       | 6  | 7  | 8  | 9  | 10 | 11 | 2        | 3  | 4  | 5  | 6  | 7  | 8  | 7         | 8  | 9  | 10 | 11 | 12 | 13 |   |
| 12      | 13 | 14 | 15 | 16 | 17 | 18 | 9        | 10 | 11 | 12 | 13 | 14 | 15 | 14        | 15 | 16 | 17 | 18 | 19 | 20 |   |
| 19      | 20 | 21 | 22 | 23 | 24 | 25 | 16       | 17 | 18 | 19 | 20 | 21 | 22 | 21        | 22 | 23 | 24 | 25 | 26 | 27 |   |
| 26      | 27 | 28 | 29 | 30 | 31 |    | 23       | 24 | 25 | 26 | 27 | 28 | 29 | 28        | 29 | 30 | 31 |    |    |    |   |
|         |    |    |    |    |    |    | 30       |    |    |    |    |    |    |           |    |    |    |    |    |    |   |

## 2026

| JANUARY |    |    |    |    |    |    | FEBRUARY |    |    |    |    |    |    | MARCH     |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |
|         |    |    | 1  | 2  | 3  |    | 1        | 2  | 3  | 4  | 5  | 6  | 7  | 1         | 2  | 3  | 4  | 5  | 6  | 7  |
| 4       | 5  | 6  | 7  | 8  | 9  | 10 | 8        | 9  | 10 | 11 | 12 | 13 | 14 | 8         | 9  | 10 | 11 | 12 | 13 | 14 |
| 11      | 12 | 13 | 14 | 15 | 16 | 17 | 15       | 16 | 17 | 18 | 19 | 20 | 21 | 15        | 16 | 17 | 18 | 19 | 20 | 21 |
| 18      | 19 | 20 | 21 | 22 | 23 | 24 | 22       | 23 | 24 | 25 | 26 | 27 | 28 | 22        | 23 | 24 | 25 | 26 | 27 | 28 |
| 25      | 26 | 27 | 28 | 29 | 30 | 31 |          |    |    |    |    |    |    | 29        | 30 | 31 |    |    |    |    |
| APRIL   |    |    |    |    |    |    | MAY      |    |    |    |    |    |    | JUNE      |    |    |    |    |    |    |
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |
|         |    |    | 1  | 2  | 3  | 4  |          |    |    |    |    | 1  | 2  |           | 1  | 2  | 3  | 4  | 5  | 6  |
| 5       | 6  | 7  | 8  | 9  | 10 | 11 | 3        | 4  | 5  | 6  | 7  | 8  | 9  | 7         | 8  | 9  | 10 | 11 | 12 | 13 |
| 12      | 13 | 14 | 15 | 16 | 17 | 18 | 10       | 11 | 12 | 13 | 14 | 15 | 16 | 14        | 15 | 16 | 17 | 18 | 19 | 20 |
| 19      | 20 | 21 | 22 | 23 | 24 | 25 | 17       | 18 | 19 | 20 | 21 | 22 | 23 | 21        | 22 | 23 | 24 | 25 | 26 | 27 |
| 26      | 27 | 28 | 29 | 30 |    |    | 24       | 25 | 26 | 27 | 28 | 29 | 30 | 28        | 29 | 30 |    |    |    |    |
|         |    |    |    |    |    |    | 31       |    |    |    |    |    |    |           |    |    |    |    |    |    |
| JULY    |    |    |    |    |    |    | AUGUST   |    |    |    |    |    |    | SEPTEMBER |    |    |    |    |    |    |
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |
|         |    | 1  | 2  | 3  | 4  |    |          |    |    |    |    | 1  | 2  |           | 1  | 2  | 3  | 4  | 5  | 6  |
| 5       | 6  | 7  | 8  | 9  | 10 | 11 | 2        | 3  | 4  | 5  | 6  | 7  | 8  | 6         | 7  | 8  | 9  | 10 | 11 | 12 |
| 12      | 13 | 14 | 15 | 16 | 17 | 18 | 9        | 10 | 11 | 12 | 13 | 14 | 15 | 13        | 14 | 15 | 16 | 17 | 18 | 19 |
| 19      | 20 | 21 | 22 | 23 | 24 | 25 | 16       | 17 | 18 | 19 | 20 | 21 | 22 | 20        | 21 | 22 | 23 | 24 | 25 | 26 |
| 26      | 27 | 28 | 29 | 30 | 31 |    | 23       | 24 | 25 | 26 | 27 | 28 | 29 | 27        | 28 | 29 | 30 |    |    |    |
|         |    |    |    |    |    |    | 30       | 31 |    |    |    |    |    |           |    |    |    |    |    |    |
| OCTOBER |    |    |    |    |    |    | NOVEMBER |    |    |    |    |    |    | DECEMBER  |    |    |    |    |    |    |
| S       | M  | T  | W  | T  | F  | S  | S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  |
|         |    |    | 1  | 2  | 3  |    | 1        | 2  | 3  | 4  | 5  | 6  | 7  |           | 1  | 2  | 3  | 4  | 5  | 6  |
| 4       | 5  | 6  | 7  | 8  | 9  | 10 | 8        | 9  | 10 | 11 | 12 | 13 | 14 | 6         | 7  | 8  | 9  | 10 | 11 | 12 |
| 11      | 12 | 13 | 14 | 15 | 16 | 17 | 15       | 16 | 17 | 18 | 19 | 20 | 21 | 13        | 14 | 15 | 16 | 17 | 18 | 19 |
| 18      | 19 | 20 | 21 | 22 | 23 | 24 | 22       | 23 | 24 | 25 | 26 | 27 | 28 | 20        | 21 | 22 | 23 | 24 | 25 | 26 |
| 25      | 26 | 27 | 28 | 29 | 30 | 31 | 29       | 30 |    |    |    |    |    | 27        | 28 | 29 | 30 | 31 |    |    |
|         |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |

Prudent Mariners understand that all tide and current predictions are approximations and are subject to weather influences that cannot be predicted in the long term.

**2025**

**TIDES AND CURRENTS**

**BREAKWATER HARBOR  
AND  
DELAWARE BAY ENTRANCE**

# BREAKWATER HARBOR, DELAWARE

**JANUARY 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

|           |      | Time   |     | Time      |      | Time   |     | Time      |      | Time   |     |
|-----------|------|--------|-----|-----------|------|--------|-----|-----------|------|--------|-----|
|           |      | Height |     | Height    |      | Height |     | Height    |      | Height |     |
| Day       | h.m. | ft.    | cm  | Day       | h.m. | ft.    | cm  | Day       | h.m. | ft.    | cm  |
| <b>1</b>  | 0243 | -0.3   | -9  | <b>13</b> | 0117 | -0.5   | -15 | <b>25</b> | 0512 | 3.8    | 116 |
|           | 0922 | 4.7    | 143 |           | 0801 | 4.7    | 143 |           | 1139 | 0.4    | 12  |
| W         | 1538 | -0.3   | -9  | M         | 1426 | -0.4   | -12 | Sa        | 1733 | 2.7    | 82  |
|           | 2145 | 3.3    | 101 | O         | 2027 | 3.3    | 101 |           | 2316 | 0.2    | 6   |
| <b>2</b>  | 0327 | -0.4   | -12 | <b>14</b> | 0207 | -0.5   | -15 | <b>26</b> | 0602 | 4.0    | 122 |
|           | 1005 | 4.7    | 143 |           | 0848 | 4.7    | 143 |           | 1229 | 0.2    | 6   |
| Th        | 1620 | -0.4   | -12 | Tu        | 1509 | -0.4   | -12 | Su        | 1823 | 2.8    | 85  |
|           | 2230 | 3.4    | 104 |           | 2113 | 3.4    | 104 |           |      |        |     |
| <b>3</b>  | 0415 | -0.3   | -9  | <b>15</b> | 0253 | -0.5   | -15 | <b>27</b> | 0006 | 0.0    | 0   |
|           | 1050 | 4.5    | 137 |           | 0931 | 4.6    | 140 |           | 0650 | 4.3    | 131 |
| F         | 1705 | -0.4   | -12 | W         | 1549 | -0.4   | -12 | M         | 1314 | 0.0    | 0   |
|           | 2318 | 3.5    | 107 |           | 2156 | 3.4    | 104 |           | 1911 | 3.0    | 91  |
| <b>4</b>  | 0507 | -0.2   | -6  | <b>16</b> | 0338 | -0.4   | -12 | <b>28</b> | 0055 | -0.3   | -9  |
|           | 1137 | 4.3    | 131 |           | 1012 | 4.4    | 134 |           | 0736 | 4.5    | 137 |
| Sa        | 1752 | -0.4   | -12 | Th        | 1629 | -0.3   | -9  | Tu        | 1355 | -0.3   | -9  |
|           |      |        |     |           | 2238 | 3.4    | 104 |           | 1957 | 3.2    | 98  |
| <b>5</b>  | 0009 | 3.6    | 110 | <b>17</b> | 0422 | -0.2   | -6  | <b>29</b> | 0142 | -0.5   | -15 |
|           | 0605 | -0.1   | -3  |           | 1052 | 4.1    | 125 |           | 0820 | 4.7    | 143 |
| Su        | 1227 | 4.1    | 125 | F         | 1708 | -0.1   | -3  | W         | 1434 | -0.5   | -15 |
|           | 1842 | -0.4   | -12 |           | 2320 | 3.4    | 104 | ●         | 2041 | 3.5    | 107 |
| <b>6</b>  | 0103 | 3.8    | 116 | <b>18</b> | 0508 | 0.0    | 0   | <b>30</b> | 0228 | -0.7   | -21 |
|           | 0707 | 0.0    | 0   |           | 1131 | 3.8    | 116 |           | 0903 | 4.7    | 143 |
| M         | 1322 | 3.8    | 116 | Sa        | 1748 | 0.0    | 0   | Th        | 1514 | -0.6   | -18 |
| ●         | 1934 | -0.3   | -9  |           |      |        |     |           | 2124 | 3.7    | 113 |
| <b>7</b>  | 0202 | 3.9    | 119 | <b>19</b> | 0002 | 3.4    | 104 | <b>31</b> | 0314 | -0.7   | -21 |
|           | 0813 | 0.1    | 3   |           | 0556 | 0.2    | 6   |           | 0946 | 4.7    | 143 |
| Tu        | 1423 | 3.4    | 104 | Su        | 1211 | 3.5    | 107 | F         | 1555 | -0.7   | -21 |
|           | 2029 | -0.3   | -9  |           | 1828 | 0.1    | 3   |           | 2209 | 3.9    | 119 |
| <b>8</b>  | 0308 | 4.1    | 125 | <b>20</b> | 0045 | 3.3    | 101 |           |      |        |     |
|           | 0923 | 0.1    | 3   |           | 0647 | 0.4    | 12  |           |      |        |     |
| W         | 1532 | 3.2    | 98  | M         | 1253 | 3.2    | 98  |           |      |        |     |
|           | 2127 | -0.3   | -9  |           | 1909 | 0.2    | 6   |           |      |        |     |
| <b>9</b>  | 0414 | 4.2    | 128 | <b>21</b> | 0131 | 3.3    | 101 |           |      |        |     |
|           | 1034 | 0.0    | 0   |           | 0740 | 0.6    | 18  |           |      |        |     |
| Th        | 1640 | 3.1    | 94  | Tu        | 1339 | 3.0    | 91  |           |      |        |     |
|           | 2226 | -0.3   | -9  | ●         | 1952 | 0.3    | 9   |           |      |        |     |
| <b>10</b> | 0516 | 4.4    | 134 | <b>22</b> | 0223 | 3.4    | 104 |           |      |        |     |
|           | 1142 | -0.1   | -3  |           | 0838 | 0.7    | 21  |           |      |        |     |
| F         | 1744 | 3.1    | 94  | W         | 1433 | 2.7    | 82  |           |      |        |     |
|           | 2325 | -0.3   | -9  |           | 2039 | 0.4    | 12  |           |      |        |     |
| <b>11</b> | 0614 | 4.6    | 140 | <b>23</b> | 0321 | 3.4    | 104 |           |      |        |     |
|           | 1243 | -0.2   | -6  |           | 0941 | 0.7    | 21  |           |      |        |     |
| Sa        | 1843 | 3.1    | 94  | Th        | 1536 | 2.6    | 79  |           |      |        |     |
|           |      |        |     |           | 2131 | 0.4    | 12  |           |      |        |     |
| <b>12</b> | 0023 | -0.4   | -12 | <b>24</b> | 0419 | 3.6    | 110 |           |      |        |     |
|           | 0710 | 4.7    | 143 |           | 1043 | 0.6    | 18  |           |      |        |     |
| Su        | 1338 | -0.3   | -9  | F         | 1638 | 2.6    | 79  |           |      |        |     |
|           | 1937 | 3.2    | 98  |           | 2224 | 0.3    | 9   |           |      |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

**EASTERN  
STANDARD TIME**

# DELAWARE BAY ENTRANCE (LB10)

**JANUARY 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>                |           | 0124            | 1.9E       | <b>13</b>             |           | 0003            | 1.9E       | <b>25</b>   | 0005      | 0324            | 1.4F       |
| W                       | 0417      | 0729            | 1.9F       | M                     | 0251      | 0555            | 2.0F       | Sa          | 0643      | 1003            | 1.6E       |
|                         | 1045      | 1359            | 2.2E       |                       | 0924      | 1246            | 2.3E       |             | 1322      | 1603            | 1.1F       |
|                         | 1709      | 2005            | 1.6F       |                       | 1555      | 1835            | 1.6F       |             | 1853      | 2157            | 1.4E       |
|                         | 2304      |                 |            |                       | 2146      |                 |            |             |           |                 |            |
| <b>2</b>                |           | 0208            | 2.0E       | <b>14</b>             |           | 0052            | 1.9E       | <b>26</b>   | 0057      | 0414            | 1.6F       |
| Th                      | 0503      | 0815            | 2.0F       | 0340                  | 0644      | 2.0F            |            | Su          | 0732      | 1050            | 1.7E       |
|                         | 1130      | 1443            | 2.2E       | Tu                    | 1011      | 1331            | 2.3E       |             | 1405      | 1649            | 1.3F       |
|                         | 1753      | 2050            | 1.7F       |                       | 1640      | 1923            | 1.6F       |             | 1942      | 2247            | 1.6E       |
|                         | 2350      |                 |            |                       | 2232      |                 |            |             |           |                 |            |
| <b>3</b>                |           | 0255            | 2.0E       | <b>15</b>             |           | 0138            | 1.9E       | <b>27</b>   | 0145      | 0459            | 1.7F       |
| F                       | 0552      | 0904            | 2.0F       | 0427                  | 0732      | 1.9F            |            | M           | 0817      | 1133            | 1.9E       |
|                         | 1216      | 1528            | 2.3E       | W                     | 1056      | 1414            | 2.2E       |             | 1445      | 1732            | 1.4F       |
|                         | 1839      | 2138            | 1.8F       |                       | 1724      | 2009            | 1.6F       |             | 2028      | 2334            | 1.8E       |
|                         |           |                 |            |                       | 2316      |                 |            |             |           |                 |            |
| <b>4</b>                | 0039      | 0345            | 2.0E       | <b>16</b>             |           | 0221            | 1.8E       | <b>28</b>   | 0231      | 0542            | 1.9F       |
| Sa                      | 0645      | 0954            | 2.0F       | 0512                  | 0819      | 1.9F            |            | Tu          | 0901      | 1215            | 2.0E       |
|                         | 1304      | 1617            | 2.2E       | Th                    | 1138      | 1455            | 2.1E       |             | 1523      | 1813            | 1.6F       |
|                         | 1928      | 2227            | 1.8F       |                       | 1807      | 2054            | 1.6F       |             | 2112      |                 |            |
|                         |           |                 |            |                       | 2358      |                 |            |             |           |                 |            |
| <b>5</b>                | 0132      | 0440            | 2.0E       | <b>17</b>             |           | 0303            | 1.7E       | <b>29</b>   |           | 0019            | 1.9E       |
| Su                      | 0742      | 1048            | 1.9F       | 0558                  | 0906      | 1.8F            |            | W           | 0315      | 0625            | 2.0F       |
|                         | 1355      | 1710            | 2.1E       | F                     | 1220      | 1534            | 2.0E       |             | 0944      | 1256            | 2.2E       |
|                         | 2018      | 2319            | 1.8F       |                       | 1849      | 2138            | 1.5F       |             | 1603      | 1855            | 1.7F       |
|                         |           |                 |            |                       |           |                 |            |             | 2157      |                 |            |
| <b>6</b>                | 0229      | 0541            | 1.9E       | <b>18</b>             | 0040      | 0344            | 1.7E       | <b>30</b>   | 0400      | 0710            | 2.1E       |
| M                       | 0845      | 1145            | 1.8F       | 0646                  | 0952      | 1.7F            |            | Th          | 1028      | 1339            | 2.1F       |
|                         | 1450      | 1807            | 2.0E       | Sa                    | 1300      | 1612            | 1.8E       |             | 1644      | 1939            | 2.3E       |
|                         | 2111      |                 |            |                       | 1929      | 2221            | 1.5F       |             | 2242      |                 | 1.8F       |
| <b>7</b>                |           | 0015            | 1.9F       | <b>19</b>             | 0123      | 0429            | 1.6E       | <b>31</b>   |           | 0150            | 2.2E       |
| Tu                      | 0332      | 0648            | 1.9E       | 0736                  | 1039      | 1.6F            |            | F           | 0447      | 0757            | 2.1F       |
|                         | 0953      | 1247            | 1.6F       | Su                    | 1341      | 1651            | 1.7E       |             | 1112      | 1422            | 2.4E       |
|                         | 1551      | 1907            | 1.9E       |                       | 2009      | 2306            | 1.4F       |             | 1727      | 2025            | 1.9F       |
|                         | 2207      |                 |            |                       |           |                 |            |             | 2329      |                 |            |
| <b>8</b>                |           | 0113            | 1.9F       | <b>20</b>             | 0209      | 0519            | 1.5E       |             |           |                 |            |
| W                       | 0438      | 0756            | 2.0E       | 0830                  | 1127      | 1.4F            |            |             |           |                 |            |
|                         | 1105      | 1352            | 1.5F       | M                     | 1424      | 1734            | 1.5E       |             |           |                 |            |
|                         | 1656      | 2009            | 1.8E       |                       | 2049      | 2352            | 1.4F       |             |           |                 |            |
|                         | 2305      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>                |           | 0215            | 1.9F       | <b>21</b>             | 0259      | 0614            | 1.4E       |             |           |                 |            |
| Th                      | 0544      | 0903            | 2.0E       | 0928                  | 1219      | 1.2F            |            |             |           |                 |            |
|                         | 1215      | 1458            | 1.5F       | Tu                    | 1511      | 1821            | 1.4E       |             |           |                 |            |
|                         | 1803      | 2112            | 1.8E       |                       | 2132      |                 |            |             |           |                 |            |
| <b>10</b>               | 0005      | 0316            | 1.9F       | <b>22</b>             |           | 0041            | 1.4F       |             |           |                 |            |
| F                       | 0645      | 1007            | 2.1E       | 0354                  | 0712      | 1.4E            |            |             |           |                 |            |
|                         | 1320      | 1601            | 1.5F       | W                     | 1031      | 1315            | 1.1F       |             |           |                 |            |
|                         | 1906      | 2214            | 1.8E       |                       | 1604      | 1912            | 1.3E       |             |           |                 |            |
|                         |           |                 |            |                       | 2219      |                 |            |             |           |                 |            |
| <b>11</b>               | 0103      | 0413            | 2.0F       | <b>23</b>             | 0453      | 0812            | 1.4E       |             |           |                 |            |
| Sa                      | 0742      | 1104            | 2.3E       | Th                    | 1134      | 1413            | 1.0F       |             |           |                 |            |
|                         | 1417      | 1657            | 1.6F       |                       | 1702      | 2006            | 1.3E       |             |           |                 |            |
|                         | 2004      | 2311            | 1.8E       |                       | 2311      |                 |            |             |           |                 |            |
| <b>12</b>               | 0159      | 0506            | 2.0F       | <b>24</b>             |           | 0229            | 1.4F       |             |           |                 |            |
| Su                      | 0835      | 1157            | 2.3E       | F                     | 0550      | 0910            | 1.4E       |             |           |                 |            |
|                         | 1508      | 1747            | 1.6F       |                       | 1232      | 1511            | 1.0F       |             |           |                 |            |
|                         | 2057      |                 |            |                       | 1800      | 2103            | 1.3E       |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**

# BREAKWATER HARBOR, DELAWARE

**FEBRUARY 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

| Day       | Time    |  | Height |     | Day       | Time    |  | Height |     | Day       | Time    |  | Height |     |
|-----------|---------|--|--------|-----|-----------|---------|--|--------|-----|-----------|---------|--|--------|-----|
|           | h.m.    |  | ft.    | cm  |           | h.m.    |  | ft.    | cm  |           | h.m.    |  | ft.    | cm  |
| <b>1</b>  | 0402    |  | -0.7   | -21 | <b>13</b> | 0240    |  | -0.4   | -12 | <b>25</b> | 0621    |  | 4.3    | 131 |
|           | 1031    |  | 4.5    | 137 |           | 0910    |  | 4.4    | 134 |           | 1239    |  | 0.0    | 0   |
|           | Sa 1638 |  | -0.7   | -21 |           | Th 1521 |  | -0.3   | -9  |           | Tu 1843 |  | 3.3    | 101 |
|           | 2257    |  | 4.0    | 122 |           | 2131    |  | 3.7    | 113 |           |         |  |        |     |
| <b>2</b>  | 0454    |  | -0.6   | -18 | <b>14</b> | 0320    |  | -0.3   | -9  | <b>26</b> | 0032    |  | -0.3   | -9  |
|           | 1118    |  | 4.3    | 131 |           | 0946    |  | 4.2    | 128 |           | W 0709  |  | 4.6    | 140 |
|           | Su 1724 |  | -0.6   | -18 |           | F 1554  |  | -0.2   | -6  |           | W 1323  |  | -0.3   | -9  |
|           | 2347    |  | 4.1    | 125 |           | 2207    |  | 3.7    | 113 |           | 1931    |  | 3.7    | 113 |
| <b>3</b>  | 0551    |  | -0.4   | -12 | <b>15</b> | 0359    |  | -0.2   | -6  | <b>27</b> | 0123    |  | -0.5   | -15 |
|           | 1208    |  | 3.9    | 119 |           | 1021    |  | 4.0    | 122 |           | 0755    |  | 4.7    | 143 |
|           | M 1813  |  | -0.5   | -15 |           | Sa 1627 |  | -0.1   | -3  |           | Th 1404 |  | -0.5   | -15 |
|           |         |  |        |     |           | 2243    |  | 3.7    | 113 |           | 2016    |  | 4.0    | 122 |
| <b>4</b>  | 0040    |  | 4.1    | 125 | <b>16</b> | 0439    |  | 0.0    | 0   | <b>28</b> | 0212    |  | -0.8   | -24 |
|           | 0652    |  | -0.2   | -6  |           | 1056    |  | 3.7    | 113 |           | 0840    |  | 4.8    | 146 |
|           | Tu 1302 |  | 3.5    | 107 |           | Su 1701 |  | 0.0    | 0   |           | F 1445  |  | -0.7   | -21 |
|           | 1905    |  | -0.4   | -12 |           | 2319    |  | 3.7    | 113 |           | ● 2101  |  | 4.3    | 131 |
| <b>5</b>  | 0139    |  | 4.1    | 125 | <b>17</b> | 0521    |  | 0.2    | 6   |           |         |  |        |     |
|           | 0758    |  | 0.0    | 0   |           | 1132    |  | 3.5    | 107 |           |         |  |        |     |
|           | W 1404  |  | 3.2    | 98  |           | M 1737  |  | 0.1    | 3   |           |         |  |        |     |
|           | ● 2002  |  | -0.2   | -6  |           | 2358    |  | 3.7    | 113 |           |         |  |        |     |
| <b>6</b>  | 0246    |  | 4.1    | 125 | <b>18</b> | 0606    |  | 0.4    | 12  |           |         |  |        |     |
|           | 0911    |  | 0.2    | 6   |           | 1210    |  | 3.2    | 98  |           |         |  |        |     |
|           | Th 1517 |  | 2.9    | 88  |           | Tu 1815 |  | 0.3    | 9   |           |         |  |        |     |
|           | 2104    |  | -0.1   | -3  |           |         |  |        |     |           |         |  |        |     |
| <b>7</b>  | 0359    |  | 4.1    | 125 | <b>19</b> | 0040    |  | 3.6    | 110 |           |         |  |        |     |
|           | 1027    |  | 0.2    | 6   |           | 0656    |  | 0.6    | 18  |           |         |  |        |     |
|           | F 1632  |  | 2.8    | 85  |           | W 1252  |  | 2.9    | 88  |           |         |  |        |     |
|           | 2210    |  | -0.1   | -3  |           | 1858    |  | 0.4    | 12  |           |         |  |        |     |
| <b>8</b>  | 0507    |  | 4.2    | 128 | <b>20</b> | 0128    |  | 3.6    | 110 |           |         |  |        |     |
|           | 1137    |  | 0.1    | 3   |           | 0750    |  | 0.7    | 21  |           |         |  |        |     |
|           | Sa 1738 |  | 2.9    | 88  |           | Th 1342 |  | 2.7    | 82  |           |         |  |        |     |
|           | 2315    |  | -0.1   | -3  |           | ● 1946  |  | 0.5    | 15  |           |         |  |        |     |
| <b>9</b>  | 0608    |  | 4.3    | 131 | <b>21</b> | 0225    |  | 3.5    | 107 |           |         |  |        |     |
|           | 1237    |  | 0.0    | 0   |           | 0851    |  | 0.8    | 24  |           |         |  |        |     |
|           | Su 1836 |  | 3.1    | 94  |           | F 1444  |  | 2.6    | 79  |           |         |  |        |     |
|           |         |  |        |     |           | 2041    |  | 0.5    | 15  |           |         |  |        |     |
| <b>10</b> | 0015    |  | -0.2   | -6  | <b>22</b> | 0330    |  | 3.6    | 110 |           |         |  |        |     |
|           | 0702    |  | 4.4    | 134 |           | 0956    |  | 0.7    | 21  |           |         |  |        |     |
|           | M 1328  |  | -0.2   | -6  |           | Sa 1555 |  | 2.6    | 79  |           |         |  |        |     |
|           | 1927    |  | 3.3    | 101 |           | 2141    |  | 0.5    | 15  |           |         |  |        |     |
| <b>11</b> | 0110    |  | -0.3   | -9  | <b>23</b> | 0434    |  | 3.8    | 116 |           |         |  |        |     |
|           | 0750    |  | 4.5    | 137 |           | 1058    |  | 0.6    | 18  |           |         |  |        |     |
|           | Tu 1410 |  | -0.3   | -9  |           | Su 1659 |  | 2.7    | 82  |           |         |  |        |     |
|           | 2013    |  | 3.4    | 104 |           | 2242    |  | 0.3    | 9   |           |         |  |        |     |
| <b>12</b> | 0157    |  | -0.4   | -12 | <b>24</b> | 0530    |  | 4.1    | 125 |           |         |  |        |     |
|           | 0832    |  | 4.4    | 134 |           | 1152    |  | 0.3    | 9   |           |         |  |        |     |
|           | W 1447  |  | -0.3   | -9  |           | M 1753  |  | 3.0    | 91  |           |         |  |        |     |
|           | ○ 2053  |  | 3.6    | 110 |           | 2339    |  | 0.0    | 0   |           |         |  |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

**EASTERN  
STANDARD TIME**

# DELAWARE BAY ENTRANCE (LB10)

**FEBRUARY 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>                |           | 0238            | 2.3E       | <b>13</b>             |           | 0123            | 2.0E       | <b>25</b>   | 0118      | 0432            | 1.7F       |
| Sa                      | 0536      | 0845            | 2.1F       | Th                    | 0415      | 0717            | 2.0F       | Tu          | 0749      | 1102            | 1.9E       |
|                         | 1156      | 1506            | 2.4E       |                       | 1038      | 1353            | 2.2E       |             | 1410      | 1701            | 1.5F       |
|                         | 1812      | 2112            | 2.0F       |                       | 1700      | 1946            | 1.7F       |             | 1958      | 2309            | 1.9E       |
|                         |           |                 |            |                       | 2254      |                 |            |             |           |                 |            |
| <b>2</b>                | 0018      | 0327            | 2.2E       | <b>14</b>             |           | 0202            | 1.9E       | <b>26</b>   | 0208      | 0518            | 1.9F       |
| Su                      | 0630      | 0935            | 2.1F       | F                     | 0456      | 0759            | 1.9F       | W           | 0836      | 1147            | 2.1E       |
|                         | 1243      | 1552            | 2.3E       |                       | 1116      | 1428            | 2.1E       |             | 1452      | 1744            | 1.7F       |
|                         | 1858      | 2200            | 2.0F       |                       | 1736      | 2026            | 1.7F       |             | 2046      | 2358            | 2.1E       |
|                         |           |                 |            |                       | 2331      |                 |            |             |           |                 |            |
| <b>3</b>                | 0111      | 0421            | 2.2E       | <b>15</b>             |           | 0239            | 1.9E       | <b>27</b>   | 0256      | 0603            | 2.1F       |
| M                       | 0727      | 1027            | 1.9F       | Sa                    | 0538      | 0842            | 1.9F       | Th          | 0922      | 1231            | 2.2E       |
|                         | 1331      | 1643            | 2.2E       |                       | 1152      | 1500            | 2.0E       |             | 1534      | 1827            | 1.9F       |
|                         | 1947      | 2251            | 2.0F       |                       | 1811      | 2105            | 1.6F       |             | 2132      |                 |            |
| <b>4</b>                | 0206      | 0521            | 2.1E       | <b>16</b>             | 0008      | 0315            | 1.8E       | <b>28</b>   |           | 0045            | 2.3E       |
| Tu                      | 0830      | 1124            | 1.7F       | Su                    | 0620      | 0924            | 1.8F       | F           | 0343      | 0649            | 2.2F       |
|                         | 1424      | 1739            | 2.0E       |                       | 1227      | 1532            | 1.9E       |             | 1006      | 1315            | 2.4E       |
|                         | 2040      | 2346            | 1.9F       |                       | 1844      | 2144            | 1.6F       |             | 1615      | 1912            | 2.0F       |
|                         |           |                 |            |                       |           |                 |            |             | 2219      |                 |            |
| <b>5</b>                | 0308      | 0628            | 1.9E       | <b>17</b>             | 0045      | 0352            | 1.8E       |             |           |                 |            |
| W                       | 0937      | 1225            | 1.5F       | M                     | 0705      | 1006            | 1.6F       |             |           |                 |            |
|                         | 1526      | 1841            | 1.8E       |                       | 1303      | 1605            | 1.7E       |             |           |                 |            |
|                         | 2138      |                 |            |                       | 1917      | 2223            | 1.6F       |             |           |                 |            |
| <b>6</b>                |           | 0047            | 1.8F       | <b>18</b>             | 0125      | 0434            | 1.6E       |             |           |                 |            |
| Th                      | 0416      | 0738            | 1.9E       | Tu                    | 0753      | 1050            | 1.4F       |             |           |                 |            |
|                         | 1050      | 1332            | 1.4F       |                       | 1340      | 1642            | 1.6E       |             |           |                 |            |
|                         | 1637      | 1949            | 1.6E       |                       | 1953      | 2304            | 1.5F       |             |           |                 |            |
|                         | 2243      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>7</b>                |           | 0152            | 1.7F       | <b>19</b>             | 0208      | 0520            | 1.5E       |             |           |                 |            |
| F                       | 0526      | 0848            | 1.9E       | W                     | 0843      | 1138            | 1.2F       |             |           |                 |            |
|                         | 1202      | 1442            | 1.3F       |                       | 1422      | 1727            | 1.4E       |             |           |                 |            |
|                         | 1750      | 2059            | 1.6E       |                       | 2035      | 2349            | 1.4F       |             |           |                 |            |
|                         | 2351      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>                |           | 0300            | 1.7F       | <b>20</b>             | 0257      | 0614            | 1.4E       |             |           |                 |            |
| Sa                      | 0632      | 0954            | 2.0E       | Th                    | 0938      | 1229            | 1.1F       |             |           |                 |            |
|                         | 1308      | 1549            | 1.4F       |                       | 1512      | 1819            | 1.3E       |             |           |                 |            |
|                         | 1857      | 2205            | 1.7E       |                       | 2124      |                 |            |             |           |                 |            |
| <b>9</b>                | 0057      | 0405            | 1.8F       | <b>21</b>             |           | 0041            | 1.3F       |             |           |                 |            |
| Su                      | 0732      | 1053            | 2.1E       | F                     | 0354      | 0713            | 1.4E       |             |           |                 |            |
|                         | 1405      | 1647            | 1.5F       |                       | 1038      | 1326            | 1.0F       |             |           |                 |            |
|                         | 1956      | 2304            | 1.8E       |                       | 1611      | 1917            | 1.2E       |             |           |                 |            |
|                         |           |                 |            |                       | 2221      |                 |            |             |           |                 |            |
| <b>10</b>               | 0156      | 0500            | 1.9F       | <b>22</b>             |           | 0140            | 1.3F       |             |           |                 |            |
| M                       | 0826      | 1145            | 2.2E       | Sa                    | 0457      | 0815            | 1.4E       |             |           |                 |            |
|                         | 1455      | 1737            | 1.6F       |                       | 1138      | 1426            | 1.0F       |             |           |                 |            |
|                         | 2047      | 2355            | 1.9E       |                       | 1715      | 2019            | 1.3E       |             |           |                 |            |
|                         |           |                 |            |                       | 2323      |                 |            |             |           |                 |            |
| <b>11</b>               | 0247      | 0548            | 1.9F       | <b>23</b>             |           | 0242            | 1.3F       |             |           |                 |            |
| Tu                      | 0914      | 1232            | 2.2E       | Su                    | 0600      | 0917            | 1.5E       |             |           |                 |            |
|                         | 1540      | 1822            | 1.7F       |                       | 1234      | 1524            | 1.1F       |             |           |                 |            |
|                         | 2133      |                 |            |                       | 1815      | 2121            | 1.4E       |             |           |                 |            |
| <b>12</b>               |           | 0041            | 1.9E       | <b>24</b>             | 0024      | 0341            | 1.5F       |             |           |                 |            |
| W                       | 0333      | 0633            | 2.0F       | M                     | 0657      | 1012            | 1.6E       |             |           |                 |            |
|                         | 0958      | 1314            | 2.2E       |                       | 1325      | 1615            | 1.3F       |             |           |                 |            |
|                         | 1621      | 1905            | 1.7F       |                       | 1909      | 2218            | 1.6E       |             |           |                 |            |
|                         | 2215      |                 |            |                       |           |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**

# BREAKWATER HARBOR, DELAWARE

**MARCH 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time                                                                                                                                                                                                                                                                                  |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day                                                                                                                                                                                                                                                                                   | h.m.    | ft.    | cm  |
| <b>1</b>  | 0300    | -0.9   | -27 | <b>13</b> | 0244    | -0.1   | -3  | <b>25</b>                                                                                                                                                                                                                                                                             | 0554    | 4.2    | 128 |
|           | 0925    | 4.7    | 143 |           | 0910    | 4.3    | 131 |                                                                                                                                                                                                                                                                                       | 1210    | 0.4    | 12  |
|           | Sa 1526 | -0.8   | -24 |           | Th 1518 | -0.1   | -3  |                                                                                                                                                                                                                                                                                       | Tu 1822 | 3.4    | 104 |
|           | 2146    | 4.6    | 140 |           | 2127    | 4.0    | 122 |                                                                                                                                                                                                                                                                                       |         |        |     |
| <b>2</b>  | 0349    | -0.8   | -24 | <b>14</b> | 0324    | -0.2   | -6  | <b>26</b>                                                                                                                                                                                                                                                                             | 0012    | 0.2    | 6   |
|           | 1011    | 4.5    | 137 |           | 0945    | 4.2    | 128 |                                                                                                                                                                                                                                                                                       | 0648    | 4.4    | 134 |
|           | Su 1609 | -0.8   | -24 |           | F 1548  | -0.1   | -3  |                                                                                                                                                                                                                                                                                       | W 1300  | 0.1    | 3   |
|           | 2234    | 4.7    | 143 |           | O 2201  | 4.1    | 125 |                                                                                                                                                                                                                                                                                       | 1913    | 3.8    | 116 |
| <b>3</b>  | 0441    | -0.7   | -21 | <b>15</b> | 0400    | -0.2   | -6  | <b>27</b>                                                                                                                                                                                                                                                                             | 0110    | -0.1   | -3  |
|           | 1100    | 4.2    | 128 |           | 1018    | 4.1    | 125 |                                                                                                                                                                                                                                                                                       | 0739    | 4.6    | 140 |
|           | M 1656  | -0.6   | -18 |           | Sa 1617 | 0.0    | 0   |                                                                                                                                                                                                                                                                                       | Th 1346 | -0.2   | -6  |
|           | 2324    | 4.7    | 143 |           | 2234    | 4.2    | 128 |                                                                                                                                                                                                                                                                                       | 2002    | 4.3    | 131 |
| <b>4</b>  | 0538    | -0.4   | -12 | <b>16</b> | 0436    | -0.1   | -3  | <b>28</b>                                                                                                                                                                                                                                                                             | 0204    | -0.4   | -12 |
|           | 1151    | 3.8    | 116 |           | 1050    | 3.9    | 119 |                                                                                                                                                                                                                                                                                       | 0828    | 4.7    | 143 |
|           | Tu 1746 | -0.4   | -12 |           | Su 1647 | 0.1    | 3   |                                                                                                                                                                                                                                                                                       | F 1431  | -0.5   | -15 |
|           |         |        |     |           | 2307    | 4.2    | 128 |                                                                                                                                                                                                                                                                                       | 2049    | 4.7    | 143 |
| <b>5</b>  | 0018    | 4.6    | 140 | <b>17</b> | 0512    | 0.1    | 3   | <b>29</b>                                                                                                                                                                                                                                                                             | 0255    | -0.7   | -21 |
|           | 0639    | -0.1   | -3  |           | 1124    | 3.7    | 113 |                                                                                                                                                                                                                                                                                       | 0916    | 4.7    | 143 |
|           | W 1247  | 3.4    | 104 |           | M 1718  | 0.2    | 6   |                                                                                                                                                                                                                                                                                       | Sa 1514 | -0.6   | -18 |
|           | 1841    | -0.1   | -3  |           | 2342    | 4.1    | 125 |                                                                                                                                                                                                                                                                                       | ● 2136  | 5.0    | 152 |
| <b>6</b>  | 0118    | 4.4    | 134 | <b>18</b> | 0551    | 0.2    | 6   | <b>30</b>                                                                                                                                                                                                                                                                             | 0345    | -0.8   | -24 |
|           | 0747    | 0.2    | 6   |           | 1159    | 3.5    | 107 |                                                                                                                                                                                                                                                                                       | 1004    | 4.6    | 140 |
|           | Th 1351 | 3.1    | 94  |           | Tu 1752 | 0.3    | 9   |                                                                                                                                                                                                                                                                                       | Su 1558 | -0.7   | -21 |
|           | ● 1941  | 0.1    | 3   |           |         |        |     |                                                                                                                                                                                                                                                                                       | 2224    | 5.2    | 158 |
| <b>7</b>  | 0228    | 4.2    | 128 | <b>19</b> | 0019    | 4.1    | 125 | <b>31</b>                                                                                                                                                                                                                                                                             | 0436    | -0.8   | -24 |
|           | 0901    | 0.4    | 12  |           | 0633    | 0.4    | 12  |                                                                                                                                                                                                                                                                                       | 1052    | 4.4    | 134 |
|           | F 1508  | 2.9    | 88  |           | W 1237  | 3.3    | 101 |                                                                                                                                                                                                                                                                                       | M 1642  | -0.6   | -18 |
|           | 2048    | 0.3    | 9   |           | 1830    | 0.5    | 15  |                                                                                                                                                                                                                                                                                       | 2313    | 5.2    | 158 |
| <b>8</b>  | 0345    | 4.1    | 125 | <b>20</b> | 0100    | 4.0    | 122 | <p>Time meridian 75° W.<br/>0000 is midnight.<br/>1200 is noon.<br/>Heights are referred to mean lower low water which is the chart datum of soundings.</p> <p><b>EASTERN<br/>STANDARD TIME/<br/>DAYLIGHT<br/>SAVING TIME</b></p> <p>Times ARE adjusted for DST starting March 9.</p> |         |        |     |
|           | 1018    | 0.4    | 12  |           | 0720    | 0.6    | 18  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | Sa 1625 | 3.0    | 91  |           | Th 1318 | 3.0    | 91  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 2200    | 0.3    | 9   |           | 1914    | 0.6    | 18  |                                                                                                                                                                                                                                                                                       |         |        |     |
| <b>9</b>  | 0556    | 4.2    | 128 | <b>21</b> | 0146    | 3.9    | 119 |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 1225    | 0.3    | 9   |           | 0812    | 0.8    | 24  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | Su 1830 | 3.1    | 94  |           | F 1406  | 2.9    | 88  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           |         |        |     |           | 2004    | 0.7    | 21  |                                                                                                                                                                                                                                                                                       |         |        |     |
| <b>10</b> | 0008    | 0.2    | 6   | <b>22</b> | 0240    | 3.8    | 116 |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 0656    | 4.2    | 128 |           | 0910    | 0.9    | 27  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | M 1321  | 0.2    | 6   |           | Sa 1505 | 2.8    | 85  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 1924    | 3.4    | 104 |           | ● 2101  | 0.7    | 21  |                                                                                                                                                                                                                                                                                       |         |        |     |
| <b>11</b> | 0108    | 0.1    | 3   | <b>23</b> | 0344    | 3.8    | 116 |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 0747    | 4.3    | 131 |           | 1013    | 0.8    | 24  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | Tu 1407 | 0.1    | 3   |           | Su 1617 | 2.8    | 85  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 2010    | 3.6    | 110 |           | 2205    | 0.7    | 21  |                                                                                                                                                                                                                                                                                       |         |        |     |
| <b>12</b> | 0200    | 0.0    | 0   | <b>24</b> | 0453    | 4.0    | 122 |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 0831    | 4.3    | 131 |           | 1114    | 0.7    | 21  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | W 1445  | 0.0    | 0   |           | M 1725  | 3.1    | 94  |                                                                                                                                                                                                                                                                                       |         |        |     |
|           | 2051    | 3.8    | 116 |           | 2311    | 0.5    | 15  |                                                                                                                                                                                                                                                                                       |         |        |     |



# DELAWARE BAY ENTRANCE (LB10)

**MARCH 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>                |           | 0132            | 2.4E       | <b>13</b>             |           | 0124            | 2.0E       | <b>25</b>   | 0053      | 0406            | 1.5F       |
| Sa                      | 0432      | 0736            | 2.2F       | Th                    | 0421      | 0717            | 1.9F       | Tu          | 0721      | 1033            | 1.7E       |
|                         | 1050      | 1358            | 2.4E       |                       | 1037      | 1351            | 2.2E       |             | 1342      | 1639            | 1.4F       |
|                         | 1657      | 1958            | 2.1F       |                       | 1655      | 1941            | 1.8F       |             | 1937      | 2249            | 1.8E       |
|                         | 2308      |                 |            |                       | 2253      |                 |            |             |           |                 |            |
| <b>2</b>                |           | 0220            | 2.5E       | <b>14</b>             |           | 0204            | 2.1E       | <b>26</b>   | 0152      | 0502            | 1.7F       |
| Su                      | 0523      | 0825            | 2.2F       | F                     | 0501      | 0757            | 2.0F       | W           | 0816      | 1128            | 1.9E       |
|                         | 1135      | 1442            | 2.4E       |                       | 1115      | 1426            | 2.1E       |             | 1432      | 1728            | 1.6F       |
|                         | 1741      | 2045            | 2.2F       |                       | 1729      | 2019            | 1.8F       |             | 2030      | 2344            | 2.0E       |
|                         | 2357      |                 |            |                       | 2329      |                 |            |             |           |                 |            |
| <b>3</b>                |           | 0310            | 2.4E       | <b>15</b>             |           | 0241            | 2.0E       | <b>27</b>   | 0246      | 0552            | 1.9F       |
| M                       | 0617      | 0916            | 2.0F       | Sa                    | 0540      | 0837            | 1.9F       | Th          | 0907      | 1216            | 2.1E       |
|                         | 1221      | 1528            | 2.3E       |                       | 1150      | 1458            | 2.0E       |             | 1517      | 1814            | 1.9F       |
|                         | 1827      | 2133            | 2.2F       |                       | 1800      | 2055            | 1.8F       |             | 2120      |                 |            |
| <b>4</b>                |           | 0403            | 2.3E       | <b>16</b>             |           | 0315            | 2.0E       | <b>28</b>   |           | 0036            | 2.3E       |
| Tu                      | 0049      | 0714            | 1.9F       | Su                    | 0003      | 0619            | 1.8F       | F           | 0338      | 0640            | 2.1F       |
|                         | 1310      | 1618            | 2.1E       |                       | 1224      | 1527            | 1.9E       |             | 0955      | 1302            | 2.2E       |
|                         | 1918      | 2225            | 2.1F       |                       | 1830      | 2132            | 1.7F       |             | 1600      | 1858            | 2.1F       |
|                         |           |                 |            |                       |           |                 |            |             | 2208      |                 |            |
| <b>5</b>                |           | 0502            | 2.1E       | <b>17</b>             |           | 0348            | 2.0E       | <b>29</b>   |           | 0125            | 2.5E       |
| W                       | 0815      | 1105            | 1.6F       | M                     | 0037      | 0659            | 1.7F       | Sa          | 0428      | 0727            | 2.1F       |
|                         | 1405      | 1715            | 1.9E       |                       | 1257      | 1556            | 1.8E       |             | 1041      | 1347            | 2.3E       |
|                         | 2013      | 2321            | 1.9F       |                       | 1900      | 2208            | 1.7F       |             | 1642      | 1943            | 2.2F       |
|                         |           |                 |            |                       |           |                 |            |             | 2257      |                 |            |
| <b>6</b>                |           | 0608            | 1.9E       | <b>18</b>             |           | 0422            | 1.9E       | <b>30</b>   |           | 0214            | 2.6E       |
| Th                      | 0244      | 0921            | 1.4F       | Tu                    | 0111      | 0739            | 1.6F       | Su          | 0519      | 0816            | 2.1F       |
|                         | 1509      | 1821            | 1.6E       |                       | 1331      | 1628            | 1.7E       |             | 1127      | 1432            | 2.3E       |
|                         | 2116      |                 |            |                       | 1932      | 2244            | 1.6F       |             | 1725      | 2029            | 2.3F       |
|                         |           |                 |            |                       |           |                 |            |             | 2346      |                 |            |
| <b>7</b>                |           | 0719            | 1.7F       | <b>19</b>             |           | 0458            | 1.8E       | <b>31</b>   |           | 0304            | 2.6E       |
| F                       | 0352      | 1031            | 1.3F       | W                     | 0147      | 0821            | 1.4F       | M           | 0611      | 0906            | 2.0F       |
|                         | 1623      | 1934            | 1.5E       |                       | 1408      | 1705            | 1.6E       |             | 1213      | 1518            | 2.3E       |
|                         | 2228      |                 |            |                       | 2009      | 2322            | 1.6F       |             | 1810      | 2118            | 2.3F       |
|                         |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>                |           | 0831            | 1.8E       | <b>20</b>             |           | 0540            | 1.7E       |             |           |                 |            |
| Sa                      | 0506      | 1143            | 1.3F       | Th                    | 0226      | 0905            | 1.3F       |             |           |                 |            |
|                         | 1738      | 2048            | 1.5E       |                       | 1449      | 1749            | 1.5E       |             |           |                 |            |
|                         | 2343      |                 |            |                       | 2052      |                 |            |             |           |                 |            |
| <b>9</b>                |           | 0347            | 1.5F       | <b>21</b>             |           | 0005            | 1.4F       |             |           |                 |            |
| Su                      | 0717      | 1037            | 1.9E       | F                     | 0310      | 0629            | 1.6E       |             |           |                 |            |
|                         | 1348      | 1635            | 1.4F       |                       | 0953      | 1251            | 1.2F       |             |           |                 |            |
|                         | 1945      | 2254            | 1.7E       |                       | 1537      | 1841            | 1.4E       |             |           |                 |            |
|                         |           |                 |            |                       | 2143      |                 |            |             |           |                 |            |
| <b>10</b>               |           | 0455            | 1.6F       | <b>22</b>             |           | 0056            | 1.3F       |             |           |                 |            |
| M                       | 0818      | 1136            | 2.0E       | Sa                    | 0404      | 0726            | 1.5E       |             |           |                 |            |
|                         | 1445      | 1733            | 1.5F       |                       | 1047      | 1345            | 1.1F       |             |           |                 |            |
|                         | 2042      | 2352            | 1.8E       |                       | 1633      | 1941            | 1.3E       |             |           |                 |            |
|                         |           |                 |            |                       | 2243      |                 |            |             |           |                 |            |
| <b>11</b>               |           | 0550            | 1.8F       | <b>23</b>             |           | 0157            | 1.3F       |             |           |                 |            |
| Tu                      | 0249      | 0911            | 2.1E       | Su                    | 0508      | 0828            | 1.4E       |             |           |                 |            |
|                         | 1534      | 1821            | 1.7F       |                       | 1147      | 1443            | 1.1F       |             |           |                 |            |
|                         | 2131      |                 |            |                       | 1737      | 2044            | 1.4E       |             |           |                 |            |
|                         |           |                 |            |                       | 2348      |                 |            |             |           |                 |            |
| <b>12</b>               |           | 0041            | 1.9E       | <b>24</b>             |           | 0302            | 1.3F       |             |           |                 |            |
| W                       | 0338      | 0636            | 1.9F       | M                     | 0617      | 0932            | 1.5E       |             |           |                 |            |
|                         | 0956      | 1311            | 2.2E       |                       | 1247      | 1543            | 1.2F       |             |           |                 |            |
|                         | 1617      | 1902            | 1.7F       |                       | 1840      | 2148            | 1.5E       |             |           |                 |            |
|                         | 2214      |                 |            |                       |           |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME/  
DAYLIGHT  
SAVING TIME**

**Times ARE adjusted  
for DST starting  
March 9.**

# BREAKWATER HARBOR, DELAWARE

**APRIL 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0528    | -0.6   | -18 | <b>13</b> | 0339    | 0.1    | 3   | <b>25</b> | 0047    | 0.0    | 0   |
|           | 1143    | 4.1    | 125 |           | 0949    | 3.9    | 119 |           | 0708    | 4.4    | 134 |
|           | Tu 1730 | -0.4   | -12 |           | Su 1541 | 0.2    | 6   |           | F 1309  | -0.2   | -6  |
|           |         |        |     | ○ 2203    | 4.5     | 137    |     | 1933      | 4.8     | 146    |     |
| <b>2</b>  | 0005    | 5.1    | 155 | <b>14</b> | 0414    | 0.1    | 3   | <b>26</b> | 0145    | -0.3   | -9  |
|           | 0626    | -0.3   | -9  |           | 1023    | 3.8    | 116 |           | 0800    | 4.5    | 137 |
|           | W 1237  | 3.8    | 116 |           | M 1611  | 0.3    | 9   |           | Sa 1357 | -0.4   | -12 |
|           | 1823    | -0.1   | -3  |           | 2236    | 4.5    | 137 |           | 2024    | 5.2    | 158 |
| <b>3</b>  | 0100    | 4.9    | 149 | <b>15</b> | 0449    | 0.2    | 6   | <b>27</b> | 0239    | -0.5   | -15 |
|           | 0728    | 0.0    | 0   |           | 1057    | 3.6    | 110 |           | 0852    | 4.5    | 137 |
|           | Th 1336 | 3.5    | 107 |           | Tu 1642 | 0.4    | 12  |           | Su 1444 | -0.5   | -15 |
|           | 1921    | 0.2    | 6   |           | 2311    | 4.5    | 137 |           | ● 2113  | 5.5    | 168 |
| <b>4</b>  | 0201    | 4.6    | 140 | <b>16</b> | 0527    | 0.4    | 12  | <b>28</b> | 0331    | -0.6   | -18 |
|           | 0835    | 0.3    | 9   |           | 1133    | 3.4    | 104 |           | 0944    | 4.3    | 131 |
|           | F 1441  | 3.3    | 101 |           | W 1717  | 0.5    | 15  |           | M 1531  | -0.5   | -15 |
|           | 2025    | 0.4    | 12  |           | 2349    | 4.4    | 134 |           | 2203    | 5.6    | 171 |
| <b>5</b>  | 0310    | 4.3    | 131 | <b>17</b> | 0608    | 0.5    | 15  | <b>29</b> | 0423    | -0.6   | -18 |
|           | 0947    | 0.5    | 15  |           | 1212    | 3.3    | 101 |           | 1035    | 4.2    | 128 |
|           | Sa 1556 | 3.2    | 98  |           | Th 1756 | 0.6    | 18  |           | Tu 1619 | -0.4   | -12 |
|           | ● 2135  | 0.6    | 18  |           |         |        |     |           | 2255    | 5.5    | 168 |
| <b>6</b>  | 0425    | 4.2    | 128 | <b>18</b> | 0031    | 4.3    | 131 | <b>30</b> | 0517    | -0.4   | -12 |
|           | 1058    | 0.6    | 18  |           | 0654    | 0.7    | 21  |           | 1129    | 4.0    | 122 |
|           | Su 1710 | 3.3    | 101 |           | F 1255  | 3.2    | 98  |           | W 1709  | -0.2   | -6  |
|           | 2249    | 0.6    | 18  |           | 1841    | 0.7    | 21  |           | 2348    | 5.3    | 162 |
| <b>7</b>  | 0535    | 4.1    | 125 | <b>19</b> | 0117    | 4.2    | 128 |           |         |        |     |
|           | 1159    | 0.5    | 15  |           | 0744    | 0.8    | 24  |           |         |        |     |
|           | M 1811  | 3.5    | 107 |           | Sa 1343 | 3.1    | 94  |           |         |        |     |
|           | 2356    | 0.5    | 15  |           | 1933    | 0.8    | 24  |           |         |        |     |
| <b>8</b>  | 0632    | 4.1    | 125 | <b>20</b> | 0208    | 4.1    | 125 |           |         |        |     |
|           | 1250    | 0.4    | 12  |           | 0838    | 0.8    | 24  |           |         |        |     |
|           | Tu 1900 | 3.7    | 113 |           | Su 1439 | 3.1    | 94  |           |         |        |     |
|           |         |        |     |           | 2032    | 0.8    | 24  |           |         |        |     |
| <b>9</b>  | 0054    | 0.4    | 12  | <b>21</b> | 0307    | 4.1    | 125 |           |         |        |     |
|           | 0720    | 4.1    | 125 |           | 0935    | 0.7    | 21  |           |         |        |     |
|           | W 1332  | 0.3    | 9   |           | M 1545  | 3.2    | 98  |           |         |        |     |
|           | 1943    | 3.9    | 119 |           | ● 2137  | 0.7    | 21  |           |         |        |     |
| <b>10</b> | 0143    | 0.3    | 9   | <b>22</b> | 0412    | 4.1    | 125 |           |         |        |     |
|           | 0802    | 4.1    | 125 |           | 1033    | 0.6    | 18  |           |         |        |     |
|           | Th 1409 | 0.3    | 9   |           | Tu 1651 | 3.5    | 107 |           |         |        |     |
|           | 2022    | 4.2    | 128 |           | 2243    | 0.6    | 18  |           |         |        |     |
| <b>11</b> | 0226    | 0.2    | 6   | <b>23</b> | 0516    | 4.2    | 128 |           |         |        |     |
|           | 0840    | 4.1    | 125 |           | 1128    | 0.3    | 9   |           |         |        |     |
|           | F 1441  | 0.2    | 6   |           | W 1750  | 3.9    | 119 |           |         |        |     |
|           | 2057    | 4.3    | 131 |           | 2347    | 0.3    | 9   |           |         |        |     |
| <b>12</b> | 0304    | 0.1    | 3   | <b>24</b> | 0614    | 4.3    | 131 |           |         |        |     |
|           | 0915    | 4.0    | 122 |           | 1219    | 0.1    | 3   |           |         |        |     |
|           | Sa 1511 | 0.2    | 6   |           | Th 1843 | 4.4    | 134 |           |         |        |     |
|           | 2130    | 4.5    | 137 |           |         |        |     |           |         |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# DELAWARE BAY ENTRANCE (LB10)

**APRIL 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>                | 0036      | 0354            | 2.5E       | <b>13</b>             | 0218      | 0218            | 2.1E       | <b>25</b>   | 0226      | 0525            | 1.9F       |
|                         | 0705      | 0958            | 1.9F       |                       | 0813      | 0813            | 1.8F       |             | 0835      | 1143            | 2.1E       |
| Tu                      | 1302      | 1606            | 2.1E       | Su                    | 1121      | 1424            | 1.9E       | F           | 1440      | 1743            | 2.0F       |
|                         | 1859      | 2209            | 2.2F       |                       | 1721      | 2023            | 1.8F       |             | 2055      |                 |            |
|                         |           |                 |            |                       | 2335      |                 |            |             |           |                 |            |
| <b>2</b>                | 0127      | 0446            | 2.4E       | <b>14</b>             | 0251      | 0251            | 2.1E       | <b>26</b>   | 0322      | 0015            | 2.4E       |
|                         | 0802      | 1052            | 1.7F       |                       | 0853      | 0853            | 1.7F       |             | 0925      | 0616            | 2.0F       |
| W                       | 1355      | 1657            | 1.9E       | M                     | 1156      | 1454            | 1.8E       | Sa          | 1525      | 1232            | 2.2E       |
|                         | 1953      | 2302            | 2.0F       |                       | 1750      | 2058            | 1.8F       |             | 2146      | 1829            | 2.2F       |
| <b>3</b>                | 0222      | 0544            | 2.1E       | <b>15</b>             | 0323      | 0323            | 2.0E       | <b>27</b>   | 0415      | 0107            | 2.5E       |
|                         | 0901      | 1148            | 1.6F       |                       | 0933      | 0933            | 1.6F       |             | 1015      | 0705            | 2.0F       |
| Th                      | 1452      | 1757            | 1.7E       | Tu                    | 1231      | 1525            | 1.7E       | Su          | 1610      | 1320            | 2.2E       |
|                         | 2053      |                 |            |                       | 1821      | 2134            | 1.7F       |             | 2236      | 1915            | 2.3F       |
| <b>4</b>                |           | 0000            | 1.8F       | <b>16</b>             | 0355      | 0355            | 2.0E       | <b>28</b>   | 0508      | 0158            | 2.6E       |
|                         | 0321      | 0649            | 1.9E       |                       | 1012      | 1012            | 1.5F       |             | 1104      | 0756            | 1.9F       |
| F                       | 1003      | 1249            | 1.4F       | W                     | 1306      | 1559            | 1.6E       | M           | 1655      | 1408            | 2.1E       |
|                         | 1557      | 1906            | 1.5E       |                       | 1856      | 2211            | 1.6F       |             | 2326      | 2003            | 2.3F       |
|                         | 2200      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>5</b>                |           | 0104            | 1.6F       | <b>17</b>             | 0430      | 0430            | 1.9E       | <b>29</b>   | 0600      | 0248            | 2.6E       |
|                         | 0429      | 0759            | 1.8E       |                       | 1053      | 1053            | 1.4F       |             | 1155      | 0849            | 1.8F       |
| Sa                      | 1110      | 1354            | 1.3F       | Th                    | 1345      | 1639            | 1.6E       | Tu          | 1744      | 1457            | 2.0E       |
|                         | 1709      | 2020            | 1.5E       |                       | 1937      | 2250            | 1.6F       |             | 2054      | 1825            | 2.2F       |
|                         | 2315      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>6</b>                |           | 0214            | 1.4F       | <b>18</b>             | 0511      | 0511            | 1.8E       | <b>30</b>   | 0017      | 0339            | 2.5E       |
|                         | 0543      | 0908            | 1.7E       |                       | 1135      | 1135            | 1.4F       |             | 0654      | 0942            | 1.8F       |
| Su                      | 1217      | 1503            | 1.3F       | F                     | 1426      | 1723            | 1.5E       | W           | 1248      | 1548            | 1.9E       |
|                         | 1821      | 2131            | 1.5E       |                       | 2023      | 2334            | 1.5F       |             | 1837      | 2148            | 2.1F       |
| <b>7</b>                | 0030      | 0327            | 1.4F       | <b>19</b>             | 0558      | 0558            | 1.7E       |             |           |                 |            |
|                         | 0652      | 1012            | 1.8E       |                       | 1221      | 1221            | 1.3F       |             |           |                 |            |
| M                       | 1321      | 1611            | 1.4F       | Sa                    | 1513      | 1815            | 1.5E       |             |           |                 |            |
|                         | 1925      | 2235            | 1.7E       |                       | 2116      |                 |            |             |           |                 |            |
| <b>8</b>                | 0136      | 0435            | 1.5F       | <b>20</b>             | 0025      | 0025            | 1.4F       |             |           |                 |            |
|                         | 0752      | 1110            | 1.9E       |                       | 0653      | 0653            | 1.7E       |             |           |                 |            |
| Tu                      | 1416      | 1708            | 1.6F       | Su                    | 1011      | 1312            | 1.3F       |             |           |                 |            |
|                         | 2019      | 2331            | 1.8E       |                       | 1607      | 1914            | 1.5E       |             |           |                 |            |
|                         |           |                 |            |                       | 2215      |                 |            |             |           |                 |            |
| <b>9</b>                | 0233      | 0529            | 1.7F       | <b>21</b>             | 0124      | 0124            | 1.4F       |             |           |                 |            |
|                         | 0844      | 1159            | 2.0E       |                       | 0753      | 0753            | 1.6E       |             |           |                 |            |
| W                       | 1504      | 1755            | 1.7F       | M                     | 1108      | 1408            | 1.3F       |             |           |                 |            |
|                         | 2107      |                 |            |                       | 1707      | 2016            | 1.5E       |             |           |                 |            |
|                         |           |                 |            |                       | 2319      |                 |            |             |           |                 |            |
| <b>10</b>               |           | 0020            | 2.0E       | <b>22</b>             | 0228      | 0228            | 1.4F       |             |           |                 |            |
|                         | 0321      | 0614            | 1.8F       |                       | 0855      | 0855            | 1.7E       |             |           |                 |            |
| Th                      | 0929      | 1242            | 2.0E       | Tu                    | 1206      | 1506            | 1.4F       |             |           |                 |            |
|                         | 1545      | 1835            | 1.8F       |                       | 1809      | 2120            | 1.7E       |             |           |                 |            |
|                         | 2149      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>11</b>               |           | 0103            | 2.1E       | <b>23</b>             | 0332      | 0332            | 1.6F       |             |           |                 |            |
|                         | 0405      | 0655            | 1.8F       |                       | 0955      | 0955            | 1.8E       |             |           |                 |            |
| F                       | 1009      | 1320            | 2.0E       | W                     | 1301      | 1603            | 1.6F       |             |           |                 |            |
|                         | 1620      | 1912            | 1.8F       |                       | 1908      | 2222            | 1.9E       |             |           |                 |            |
|                         | 2226      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>12</b>               |           | 0142            | 2.1E       | <b>24</b>             | 0431      | 0431            | 1.7F       |             |           |                 |            |
|                         | 0445      | 0734            | 1.8F       |                       | 1052      | 1052            | 1.9E       |             |           |                 |            |
| Sa                      | 1046      | 1354            | 1.9E       | Th                    | 1353      | 1655            | 1.8F       |             |           |                 |            |
|                         | 1652      | 1948            | 1.8F       |                       | 2003      | 2320            | 2.1E       |             |           |                 |            |
|                         | 2301      |                 |            |                       |           |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# BREAKWATER HARBOR, DELAWARE

**MAY 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

| Time            |      |  | Height |     |                 | Time |     |      | Height |                 |      |     |      |     |
|-----------------|------|--|--------|-----|-----------------|------|-----|------|--------|-----------------|------|-----|------|-----|
| Day             | h.m. |  | ft.    | cm  | Day             | h.m. |     | ft.  | cm     | Day             | h.m. |     | ft.  | cm  |
| <b>1</b><br>Th  | 0614 |  | -0.1   | -3  | <b>13</b><br>Tu | 0354 |     | 0.3  | 9      | <b>25</b><br>Su | 0127 |     | -0.1 | -3  |
|                 | 1225 |  | 3.7    | 113 |                 | 0957 |     | 3.6  | 110    |                 | 0735 |     | 4.1  | 125 |
|                 | 1804 |  | 0.1    | 3   |                 | 1539 |     | 0.4  | 12     |                 | 1326 |     | -0.3 | -9  |
|                 |      |  |        |     | 2210            |      | 4.7 | 143  |        |                 | 2001 |     | 5.4  | 165 |
| <b>2</b><br>F   | 0045 |  | 5.0    | 152 | <b>14</b><br>W  | 0430 |     | 0.3  | 9      | <b>26</b><br>M  | 0225 |     | -0.3 | -9  |
|                 | 0715 |  | 0.1    | 3   |                 | 1034 |     | 3.5  | 107    |                 | 0831 |     | 4.1  | 125 |
|                 | 1324 |  | 3.6    | 110 |                 | 1613 |     | 0.5  | 15     |                 | 1418 |     | -0.4 | -12 |
|                 | 1904 |  | 0.4    | 12  | 2248            |      | 4.7 | 143  | 2055   |                 | 5.6  | 171 |      |     |
| <b>3</b><br>Sa  | 0144 |  | 4.7    | 143 | <b>15</b><br>Th | 0507 |     | 0.4  | 12     | <b>27</b><br>Tu | 0319 |     | -0.4 | -12 |
|                 | 0819 |  | 0.4    | 12  |                 | 1113 |     | 3.4  | 104    |                 | 0927 |     | 4.0  | 122 |
|                 | 1427 |  | 3.4    | 104 |                 | 1650 |     | 0.5  | 15     |                 | 1509 |     | -0.4 | -12 |
|                 | 2009 |  | 0.6    | 18  | 2327            |      | 4.6 | 140  | ● 2147 |                 | 5.6  | 171 |      |     |
| <b>4</b><br>Su  | 0247 |  | 4.4    | 134 | <b>16</b><br>F  | 0548 |     | 0.5  | 15     | <b>28</b><br>W  | 0412 |     | -0.4 | -12 |
|                 | 0923 |  | 0.5    | 15  |                 | 1154 |     | 3.3  | 101    |                 | 1021 |     | 3.9  | 119 |
|                 | 1535 |  | 3.4    | 104 |                 | 1731 |     | 0.6  | 18     |                 | 1600 |     | -0.3 | -9  |
| ●               | 2118 |  | 0.8    | 24  |                 |      |     |      | 2240   |                 | 5.5  | 168 |      |     |
| <b>5</b><br>M   | 0354 |  | 4.1    | 125 | <b>17</b><br>Sa | 0009 |     | 4.6  | 140    | <b>29</b><br>Th | 0505 |     | -0.2 | -6  |
|                 | 1024 |  | 0.6    | 18  |                 | 0633 |     | 0.6  | 18     |                 | 1115 |     | 3.8  | 116 |
|                 | 1642 |  | 3.5    | 107 |                 | 1238 |     | 3.3  | 101    |                 | 1651 |     | -0.1 | -3  |
|                 | 2228 |  | 0.8    | 24  | 1818            |      | 0.7 | 21   | 2334   |                 | 5.3  | 162 |      |     |
| <b>6</b><br>Tu  | 0459 |  | 4.0    | 122 | <b>18</b><br>Su | 0055 |     | 4.5  | 137    | <b>30</b><br>F  | 0600 |     | 0.0  | 0   |
|                 | 1119 |  | 0.6    | 18  |                 | 0721 |     | 0.6  | 18     |                 | 1211 |     | 3.7  | 113 |
|                 | 1739 |  | 3.7    | 113 |                 | 1326 |     | 3.3  | 101    |                 | 1747 |     | 0.2  | 6   |
|                 | 2332 |  | 0.8    | 24  | 1912            |      | 0.7 | 21   |        |                 |      |     |      |     |
| <b>7</b><br>W   | 0555 |  | 3.9    | 119 | <b>19</b><br>M  | 0144 |     | 4.4  | 134    | <b>31</b><br>Sa | 0028 |     | 5.0  | 152 |
|                 | 1206 |  | 0.6    | 18  |                 | 0811 |     | 0.6  | 18     |                 | 0657 |     | 0.2  | 6   |
|                 | 1827 |  | 3.9    | 119 |                 | 1419 |     | 3.4  | 104    |                 | 1307 |     | 3.7  | 113 |
|                 |      |  |        |     | 2011            |      | 0.7 | 21   | 1846   |                 | 0.4  | 12  |      |     |
| <b>8</b><br>Th  | 0028 |  | 0.7    | 21  | <b>20</b><br>Tu | 0237 |     | 4.3  | 131    |                 |      |     |      |     |
|                 | 0642 |  | 3.8    | 116 |                 | 0902 |     | 0.5  | 15     |                 |      |     |      |     |
|                 | 1247 |  | 0.5    | 15  |                 | 1518 |     | 3.6  | 110    |                 |      |     |      |     |
|                 | 1908 |  | 4.2    | 128 | ● 2114          |      | 0.7 | 21   |        |                 |      |     |      |     |
| <b>9</b><br>F   | 0118 |  | 0.6    | 18  | <b>21</b><br>W  | 0337 |     | 4.2  | 128    |                 |      |     |      |     |
|                 | 0725 |  | 3.8    | 116 |                 | 0955 |     | 0.3  | 9      |                 |      |     |      |     |
|                 | 1324 |  | 0.5    | 15  |                 | 1620 |     | 3.9  | 119    |                 |      |     |      |     |
|                 | 1947 |  | 4.4    | 134 | 2219            |      | 0.5 | 15   |        |                 |      |     |      |     |
| <b>10</b><br>Sa | 0202 |  | 0.4    | 12  | <b>22</b><br>Th | 0440 |     | 4.1  | 125    |                 |      |     |      |     |
|                 | 0805 |  | 3.7    | 113 |                 | 1049 |     | 0.2  | 6      |                 |      |     |      |     |
|                 | 1359 |  | 0.4    | 12  |                 | 1719 |     | 4.3  | 131    |                 |      |     |      |     |
|                 | 2023 |  | 4.5    | 137 | 2325            |      | 0.3 | 9    |        |                 |      |     |      |     |
| <b>11</b><br>Su | 0242 |  | 0.4    | 12  | <b>23</b><br>F  | 0541 |     | 4.1  | 125    |                 |      |     |      |     |
|                 | 0843 |  | 3.7    | 113 |                 | 1142 |     | 0.0  | 0      |                 |      |     |      |     |
|                 | 1432 |  | 0.4    | 12  |                 | 1815 |     | 4.7  | 143    |                 |      |     |      |     |
|                 | 2059 |  | 4.6    | 140 |                 |      |     |      |        |                 |      |     |      |     |
| <b>12</b><br>M  | 0319 |  | 0.3    | 9   | <b>24</b><br>Sa | 0027 |     | 0.1  | 3      |                 |      |     |      |     |
|                 | 0921 |  | 3.6    | 110 |                 | 0639 |     | 4.1  | 125    |                 |      |     |      |     |
|                 | 1505 |  | 0.4    | 12  |                 | 1234 |     | -0.2 | -6     |                 |      |     |      |     |
| ○               | 2134 |  | 4.7    | 143 | 1908            |      | 5.1 | 155  |        |                 |      |     |      |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# DELAWARE BAY ENTRANCE (LB10)

**MAY 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |                 |                 |                                                            |                 |            |      |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|-----------------|-----------------|------------------------------------------------------------|-----------------|------------|------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |                 | Slack Water     |                                                            | Maximum Current |            |      |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots      | Day             | Time h.m.                                                  | Time h.m.       | Vel. knots |      |
| <b>1</b><br>Th          | 0109      | 0431            | 2.3E       | <b>13</b><br>Tu       | 0226      | 2.1E            | <b>25</b><br>Su | 0308            | 0555                                                       | 1.8F            |            |      |
|                         | 0749      | 1037            | 1.6F       |                       | 0542      | 0828            |                 | 1.5F            | 0858                                                       | 1205            |            | 2.0E |
|                         | 1343      | 1642            | 1.8E       |                       | 1129      | 1423            |                 | 1.6E            | 1453                                                       | 1803            |            | 2.3F |
|                         | 1934      | 2244            | 1.9F       |                       | 1715      | 2027            |                 | 1.7F            | 2126                                                       |                 |            |      |
|                         |           |                 | 2340       |                       |           |                 |                 |                 |                                                            |                 |            |      |
| <b>2</b><br>F           | 0203      | 0527            | 2.1E       | <b>14</b><br>W        | 0259      | 2.0E            | <b>26</b><br>M  | 0404            | 0051                                                       | 2.5E            |            |      |
|                         | 0845      | 1133            | 1.6F       |                       | 0617      | 0909            |                 | 1.5F            | 0952                                                       | 0647            |            | 1.8F |
|                         | 1441      | 1742            | 1.6E       |                       | 1206      | 1458            |                 | 1.6E            | 1542                                                       | 1257            |            | 2.0E |
|                         | 2037      | 2343            | 1.7F       |                       | 1750      | 2105            |                 | 1.7F            | 2218                                                       | 1851            |            | 2.3F |
| <b>3</b><br>Sa          | 0301      | 0629            | 1.9E       | <b>15</b><br>Th       | 0014      | 0332            | 2.0E            | <b>27</b><br>Tu | 0457                                                       | 0143            | 2.6E       |      |
|                         | 0943      | 1231            | 1.5F       |                       | 0652      | 0949            | 1.5F            |                 | 1047                                                       | 0739            | 1.7F       |      |
|                         | 1542      | 1850            | 1.5E       |                       | 1245      | 1536            | 1.6E            |                 | 1632                                                       | 1349            | 1.9E       |      |
|                         | 2145      |                 |            |                       | 1829      | 2145            | 1.6F            |                 | 2309                                                       | 1942            | 2.2F       |      |
| <b>4</b><br>Su          |           | 0045            | 1.5F       | <b>16</b><br>F        | 0051      | 0408            | 2.0E            | <b>28</b><br>W  |                                                            | 0235            | 2.5E       |      |
|                         | 0404      | 0734            | 1.8E       |                       | 0730      | 1029            | 1.5F            |                 | 0549                                                       | 0833            | 1.7F       |      |
|                         | 1044      | 1331            | 1.4F       |                       | 1325      | 1618            | 1.6E            |                 | 1141                                                       | 1441            | 1.9E       |      |
|                         | 1648      | 2000            | 1.5E       |                       | 1913      | 2227            | 1.6F            |                 | 1725                                                       | 2035            | 2.1F       |      |
|                         | 2255      |                 |            |                       |           |                 |                 |                 |                                                            |                 |            |      |
| <b>5</b><br>M           |           | 0150            | 1.4F       | <b>17</b><br>Sa       | 0132      | 0449            | 2.0E            | <b>29</b><br>Th | 0001                                                       | 0326            | 2.4E       |      |
|                         | 0511      | 0838            | 1.7E       |                       | 0811      | 1111            | 1.5F            |                 | 0641                                                       | 0927            | 1.6F       |      |
|                         | 1146      | 1434            | 1.4F       |                       | 1408      | 1704            | 1.6E            |                 | 1235                                                       | 1534            | 1.8E       |      |
|                         | 1754      | 2106            | 1.5E       |                       | 2001      | 2313            | 1.6F            |                 | 1820                                                       | 2131            | 2.0F       |      |
| <b>6</b><br>Tu          | 0006      | 0257            | 1.4F       | <b>18</b><br>Su       | 0217      | 0536            | 1.9E            | <b>30</b><br>F  | 0053                                                       | 0417            | 2.3E       |      |
|                         | 0616      | 0938            | 1.7E       |                       | 0855      | 1156            | 1.5F            |                 | 0734                                                       | 1021            | 1.6F       |      |
|                         | 1244      | 1536            | 1.5F       |                       | 1454      | 1755            | 1.6E            |                 | 1330                                                       | 1628            | 1.7E       |      |
|                         | 1855      | 2208            | 1.6E       |                       | 2054      |                 |                 |                 | 1919                                                       | 2227            | 1.8F       |      |
| <b>7</b><br>W           | 0111      | 0401            | 1.4F       | <b>19</b><br>M        |           | 0003            | 1.6F            | <b>31</b><br>Sa | 0146                                                       | 0509            | 2.1E       |      |
|                         | 0714      | 1033            | 1.7E       |                       | 0308      | 0629            | 1.9E            |                 | 0827                                                       | 1115            | 1.6F       |      |
|                         | 1337      | 1633            | 1.6F       |                       | 0944      | 1245            | 1.5F            |                 | 1425                                                       | 1726            | 1.6E       |      |
|                         | 1949      | 2303            | 1.8E       |                       | 1546      | 1852            | 1.6E            |                 | 2020                                                       | 2324            | 1.7F       |      |
|                         |           |                 | 2152       |                       |           |                 |                 |                 |                                                            |                 |            |      |
| <b>8</b><br>Th          | 0208      | 0457            | 1.5F       | <b>20</b><br>Tu       |           | 0059            | 1.6F            |                 | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |                 |            |      |
|                         | 0806      | 1122            | 1.8E       |                       | 0404      | 0725            | 1.9E            |                 |                                                            |                 |            |      |
|                         | 1423      | 1720            | 1.7F       |                       | 1037      | 1338            | 1.6F            |                 |                                                            |                 |            |      |
|                         | 2036      | 2352            | 1.9E       |                       | 1643      | 1953            | 1.7E            |                 |                                                            |                 |            |      |
|                         |           |                 | 2254       |                       |           |                 |                 |                 |                                                            |                 |            |      |
| <b>9</b><br>F           | 0259      | 0544            | 1.6F       | <b>21</b><br>W        |           | 0159            | 1.6F            |                 |                                                            |                 |            |      |
|                         | 0852      | 1205            | 1.8E       |                       | 0505      | 0823            | 1.9E            |                 |                                                            |                 |            |      |
|                         | 1503      | 1801            | 1.8F       |                       | 1130      | 1433            | 1.7F            |                 |                                                            |                 |            |      |
|                         | 2118      |                 |            |                       | 1744      | 2055            | 1.8E            |                 |                                                            |                 |            |      |
| <b>10</b><br>Sa         |           | 0036            | 2.0E       | <b>22</b><br>Th       | 0000      | 0301            | 1.6F            |                 |                                                            |                 |            |      |
|                         | 0345      | 0627            | 1.6F       |                       | 0607      | 0921            | 1.9E            |                 |                                                            |                 |            |      |
|                         | 0934      | 1243            | 1.8E       |                       | 1224      | 1529            | 1.8F            |                 |                                                            |                 |            |      |
|                         | 1539      | 1839            | 1.8F       |                       | 1843      | 2158            | 2.0E            |                 |                                                            |                 |            |      |
|                         | 2156      |                 |            |                       |           |                 |                 |                 |                                                            |                 |            |      |
| <b>11</b><br>Su         |           | 0116            | 2.1E       | <b>23</b><br>F        | 0106      | 0402            | 1.7F            |                 | <b>DAYLIGHT SAVING TIME</b><br>Times ARE adjusted for DST. |                 |            |      |
|                         | 0427      | 0708            | 1.6F       |                       | 0707      | 1017            | 2.0E            |                 |                                                            |                 |            |      |
|                         | 1014      | 1318            | 1.7E       |                       | 1315      | 1623            | 2.0F            |                 |                                                            |                 |            |      |
|                         | 1611      | 1915            | 1.8F       |                       | 1940      | 2259            | 2.2E            |                 |                                                            |                 |            |      |
|                         | 2232      |                 |            |                       |           |                 |                 |                 |                                                            |                 |            |      |
| <b>12</b><br>M          |           | 0153            | 2.1E       | <b>24</b><br>Sa       | 0209      | 0500            | 1.7F            |                 |                                                            |                 |            |      |
|                         | 0506      | 0748            | 1.6F       |                       | 0803      | 1112            | 2.0E            |                 |                                                            |                 |            |      |
|                         | 1052      | 1350            | 1.6E       |                       | 1405      | 1714            | 2.2F            |                 |                                                            |                 |            |      |
|                         | 1642      | 1951            | 1.8F       |                       | 2034      | 2356            | 2.4E            |                 |                                                            |                 |            |      |
|                         | 2306      |                 |            |                       |           |                 |                 |                 |                                                            |                 |            |      |

# BREAKWATER HARBOR, DELAWARE

**JUNE 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

| Time                |      | Height |     | Time                |      | Height |     | Time                |      | Height |     |
|---------------------|------|--------|-----|---------------------|------|--------|-----|---------------------|------|--------|-----|
| Day                 | h.m. | ft.    | cm  | Day                 | h.m. | ft.    | cm  | Day                 | h.m. | ft.    | cm  |
| <b>1</b><br>Su      | 0122 | 4.7    | 143 | <b>13</b><br>F      | 0448 | 0.4    | 12  | <b>25</b><br>W<br>● | 0310 | -0.1   | -3  |
|                     | 0753 | 0.3    | 9   |                     | 1054 | 3.4    | 104 |                     | 0913 | 3.8    | 116 |
|                     | 1404 | 3.6    | 110 |                     | 1629 | 0.4    | 12  |                     | 1453 | -0.2   | -6  |
|                     | 1948 | 0.6    | 18  |                     | 2309 | 4.8    | 146 |                     | 2135 | 5.5    | 168 |
| <b>2</b><br>M       | 0217 | 4.3    | 131 | <b>14</b><br>Sa     | 0528 | 0.4    | 12  | <b>26</b><br>Th     | 0401 | -0.2   | -6  |
|                     | 0847 | 0.5    | 15  |                     | 1136 | 3.4    | 104 |                     | 1007 | 3.8    | 116 |
|                     | 1502 | 3.6    | 110 |                     | 1713 | 0.5    | 15  |                     | 1545 | -0.1   | -3  |
|                     | 2051 | 0.8    | 24  |                     | 2351 | 4.7    | 143 |                     | 2227 | 5.4    | 165 |
| <b>3</b><br>Tu<br>☉ | 0313 | 4.0    | 122 | <b>15</b><br>Su     | 0611 | 0.3    | 9   | <b>27</b><br>F      | 0450 | -0.1   | -3  |
|                     | 0939 | 0.6    | 18  |                     | 1221 | 3.5    | 107 |                     | 1100 | 3.8    | 116 |
|                     | 1600 | 3.7    | 113 |                     | 1801 | 0.5    | 15  |                     | 1636 | 0.0    | 0   |
|                     | 2155 | 0.9    | 27  |                     |      |        |     |                     | 2317 | 5.1    | 155 |
| <b>4</b><br>W       | 0411 | 3.8    | 116 | <b>16</b><br>M      | 0035 | 4.6    | 140 | <b>28</b><br>Sa     | 0540 | 0.0    | 0   |
|                     | 1028 | 0.6    | 18  |                     | 0656 | 0.3    | 9   |                     | 1151 | 3.8    | 116 |
|                     | 1656 | 3.9    | 119 |                     | 1308 | 3.6    | 110 |                     | 1729 | 0.2    | 6   |
|                     | 2257 | 0.9    | 27  |                     | 1855 | 0.5    | 15  |                     |      |        |     |
| <b>5</b><br>Th      | 0506 | 3.6    | 110 | <b>17</b><br>Tu     | 0122 | 4.5    | 137 | <b>29</b><br>Su     | 0006 | 4.9    | 149 |
|                     | 1113 | 0.6    | 18  |                     | 0743 | 0.3    | 9   |                     | 0629 | 0.2    | 6   |
|                     | 1744 | 4.0    | 122 |                     | 1358 | 3.8    | 116 |                     | 1242 | 3.8    | 116 |
|                     | 2354 | 0.9    | 27  |                     | 1954 | 0.6    | 18  |                     | 1824 | 0.4    | 12  |
| <b>6</b><br>F       | 0557 | 3.5    | 107 | <b>18</b><br>W<br>☉ | 0212 | 4.3    | 131 | <b>30</b><br>M      | 0054 | 4.6    | 140 |
|                     | 1155 | 0.6    | 18  |                     | 0831 | 0.2    | 6   |                     | 0717 | 0.3    | 9   |
|                     | 1828 | 4.2    | 128 |                     | 1452 | 4.0    | 122 |                     | 1331 | 3.8    | 116 |
|                     |      |        |     |                     | 2055 | 0.6    | 18  |                     | 1920 | 0.6    | 18  |
| <b>7</b><br>Sa      | 0046 | 0.8    | 24  | <b>19</b><br>Th     | 0308 | 4.1    | 125 |                     |      |        |     |
|                     | 0643 | 3.4    | 104 |                     | 0922 | 0.1    | 3   |                     |      |        |     |
|                     | 1236 | 0.6    | 18  |                     | 1551 | 4.3    | 131 |                     |      |        |     |
|                     | 1909 | 4.4    | 134 |                     | 2159 | 0.5    | 15  |                     |      |        |     |
| <b>8</b><br>Su      | 0133 | 0.7    | 21  | <b>20</b><br>F      | 0410 | 3.9    | 119 |                     |      |        |     |
|                     | 0727 | 3.4    | 104 |                     | 1015 | 0.1    | 3   |                     |      |        |     |
|                     | 1315 | 0.6    | 18  |                     | 1652 | 4.6    | 140 |                     |      |        |     |
|                     | 1949 | 4.5    | 137 |                     | 2306 | 0.4    | 12  |                     |      |        |     |
| <b>9</b><br>M       | 0217 | 0.5    | 15  | <b>21</b><br>Sa     | 0514 | 3.8    | 116 |                     |      |        |     |
|                     | 0810 | 3.4    | 104 |                     | 1110 | 0.0    | 0   |                     |      |        |     |
|                     | 1354 | 0.5    | 15  |                     | 1752 | 4.9    | 149 |                     |      |        |     |
|                     | 2029 | 4.7    | 143 |                     |      |        |     |                     |      |        |     |
| <b>10</b><br>Tu     | 0257 | 0.5    | 15  | <b>22</b><br>Su     | 0011 | 0.3    | 9   |                     |      |        |     |
|                     | 0853 | 3.4    | 104 |                     | 0616 | 3.7    | 113 |                     |      |        |     |
|                     | 1433 | 0.5    | 15  |                     | 1206 | -0.1   | -3  |                     |      |        |     |
|                     | 2109 | 4.8    | 146 |                     | 1849 | 5.2    | 158 |                     |      |        |     |
| <b>11</b><br>W<br>☉ | 0334 | 0.4    | 12  | <b>23</b><br>M      | 0114 | 0.1    | 3   |                     |      |        |     |
|                     | 0933 | 3.4    | 104 |                     | 0717 | 3.7    | 113 |                     |      |        |     |
|                     | 1511 | 0.4    | 12  |                     | 1302 | -0.1   | -3  |                     |      |        |     |
|                     | 2148 | 4.8    | 146 |                     | 1945 | 5.4    | 165 |                     |      |        |     |
| <b>12</b><br>Th     | 0411 | 0.4    | 12  | <b>24</b><br>Tu     | 0214 | -0.1   | -3  |                     |      |        |     |
|                     | 1014 | 3.4    | 104 |                     | 0816 | 3.7    | 113 |                     |      |        |     |
|                     | 1549 | 0.4    | 12  |                     | 1358 | -0.2   | -6  |                     |      |        |     |
|                     | 2228 | 4.8    | 146 |                     | 2041 | 5.5    | 168 |                     |      |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean lower low water which is the chart datum of soundings.

**DAYLIGHT SAVING TIME**  
 Times ARE adjusted for DST.

# DELAWARE BAY ENTRANCE (LB10)

**JUNE 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |                 |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-----------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water     |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day             | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Su          | 0239      | 0605            | 1.9E       | <b>13</b><br>F        | 0628      | 0310            | 2.0E       | <b>25</b><br>W  | 0446      | 0131            | 2.4E       |
|                         | 0920      | 1209            | 1.5F       |                       | 0628      | 0924            | 1.5F       |                 | 0446      | 0724            | 1.6F       |
|                         | 1521      | 1827            | 1.5E       |                       | 1222      | 1516            | 1.6E       |                 | 1033      | 1336            | 1.8E       |
|                         | 2123      |                 |            |                       | 1807      | 2123            | 1.7F       |                 | 1618      | 1927            | 2.1F       |
|                         |           |                 |            |                       |           |                 |            |                 | 2257      |                 |            |
| <b>2</b><br>M           | 0334      | 0022            | 1.5F       | <b>14</b><br>Sa       | 0032      | 0349            | 2.1E       | <b>26</b><br>Th | 0536      | 0223            | 2.4E       |
|                         | 1014      | 0702            | 1.8E       |                       | 0706      | 1006            | 1.5F       |                 | 1128      | 0817            | 1.6F       |
|                         | 1620      | 1304            | 1.5F       |                       | 1304      | 1559            | 1.7E       |                 | 1712      | 1429            | 1.8E       |
|                         | 2227      | 1931            | 1.5E       |                       | 1853      | 2207            | 1.7F       |                 | 2348      | 2021            | 2.0F       |
| <b>3</b><br>Tu          | 0431      | 0120            | 1.4F       | <b>15</b><br>Su       | 0114      | 0430            | 2.1E       | <b>27</b><br>F  | 0626      | 0312            | 2.3E       |
|                         | 1107      | 0759            | 1.7E       |                       | 0748      | 1048            | 1.6F       |                 | 1221      | 0911            | 1.6F       |
|                         | 1720      | 1359            | 1.5F       |                       | 1348      | 1645            | 1.8E       |                 | 1807      | 1521            | 1.7E       |
|                         | 2332      | 2033            | 1.5E       |                       | 1942      | 2254            | 1.8F       |                 |           | 2116            | 1.9F       |
| <b>4</b><br>W           | 0529      | 0219            | 1.3F       | <b>16</b><br>M        | 0159      | 0516            | 2.1E       | <b>28</b><br>Sa | 0037      | 0400            | 2.2E       |
|                         | 1159      | 0853            | 1.6E       |                       | 0832      | 1133            | 1.7F       |                 | 0715      | 1002            | 1.6F       |
|                         | 1818      | 1454            | 1.5F       |                       | 1435      | 1736            | 1.8E       |                 | 1312      | 1612            | 1.7E       |
|                         |           | 2132            | 1.6E       |                       | 2035      | 2343            | 1.8F       |                 | 1902      | 2209            | 1.8F       |
| <b>5</b><br>Th          | 0037      | 0319            | 1.3F       | <b>17</b><br>Tu       | 0247      | 0606            | 2.1E       | <b>29</b><br>Su | 0126      | 0447            | 2.1E       |
|                         | 0626      | 0945            | 1.6E       |                       | 0919      | 1220            | 1.8F       |                 | 0804      | 1052            | 1.6F       |
|                         | 1248      | 1548            | 1.6F       |                       | 1526      | 1831            | 1.8E       |                 | 1403      | 1703            | 1.6E       |
|                         | 1911      | 2228            | 1.7E       |                       | 2132      |                 |            |                 | 1958      | 2301            | 1.7F       |
| <b>6</b><br>F           | 0138      | 0417            | 1.3F       | <b>18</b><br>W        | 0339      | 0037            | 1.8F       | <b>30</b><br>M  | 0213      | 0535            | 2.0E       |
|                         | 0719      | 1035            | 1.6E       |                       | 0339      | 0659            | 2.1E       |                 | 0851      | 1141            | 1.6F       |
|                         | 1334      | 1638            | 1.7F       |                       | 1008      | 1311            | 1.8F       |                 | 1453      | 1757            | 1.6E       |
|                         | 1959      | 2320            | 1.8E       |                       | 1622      | 1932            | 1.9E       |                 | 2055      | 2353            | 1.6F       |
|                         |           |                 |            | 2234                  |           |                 |            |                 |           |                 |            |
| <b>7</b><br>Sa          | 0233      | 0510            | 1.3F       | <b>19</b><br>Th       | 0435      | 0134            | 1.7F       |                 |           |                 |            |
|                         | 0809      | 1120            | 1.5E       |                       | 1058      | 0754            | 2.0E       |                 |           |                 |            |
|                         | 1415      | 1723            | 1.7F       |                       | 1721      | 1404            | 1.9F       |                 |           |                 |            |
|                         | 2043      |                 |            |                       | 2341      | 2034            | 2.0E       |                 |           |                 |            |
| <b>8</b><br>Su          | 0322      | 0006            | 1.9E       | <b>20</b><br>F        | 0535      | 0235            | 1.6F       |                 |           |                 |            |
|                         | 0855      | 0557            | 1.4F       |                       | 1150      | 0850            | 2.0E       |                 |           |                 |            |
|                         | 1454      | 1201            | 1.5E       |                       | 1822      | 1459            | 2.0F       |                 |           |                 |            |
|                         | 2124      | 1804            | 1.8F       |                       |           | 2138            | 2.1E       |                 |           |                 |            |
| <b>9</b><br>M           | 0405      | 0047            | 2.0E       | <b>21</b><br>Sa       | 0049      | 0338            | 1.6F       |                 |           |                 |            |
|                         | 0939      | 0640            | 1.4F       |                       | 0637      | 0948            | 1.9E       |                 |           |                 |            |
|                         | 1531      | 1240            | 1.5E       |                       | 1243      | 1556            | 2.1F       |                 |           |                 |            |
|                         | 2202      | 1842            | 1.8F       |                       | 1921      | 2241            | 2.2E       |                 |           |                 |            |
| <b>10</b><br>Tu         | 0444      | 0125            | 2.0E       | <b>22</b><br>Su       | 0156      | 0439            | 1.6F       |                 |           |                 |            |
|                         | 1020      | 0721            | 1.4F       |                       | 0739      | 1047            | 1.9E       |                 |           |                 |            |
|                         | 1607      | 1317            | 1.5E       |                       | 1337      | 1651            | 2.2F       |                 |           |                 |            |
|                         | 2239      | 1920            | 1.7F       |                       | 2017      | 2342            | 2.3E       |                 |           |                 |            |
| <b>11</b><br>W          | 0519      | 0200            | 2.0E       | <b>23</b><br>M        | 0257      | 0537            | 1.6F       |                 |           |                 |            |
|                         | 1101      | 0801            | 1.4F       |                       | 0838      | 1145            | 1.8E       |                 |           |                 |            |
|                         | 1645      | 1355            | 1.5E       |                       | 1431      | 1744            | 2.2F       |                 |           |                 |            |
|                         | 2315      | 1959            | 1.7F       |                       | 2112      |                 |            |                 |           |                 |            |
| <b>12</b><br>Th         | 0553      | 0235            | 2.0E       | <b>24</b><br>Tu       | 0354      | 0038            | 2.4E       |                 |           |                 |            |
|                         | 1141      | 0842            | 1.4F       |                       | 0937      | 0631            | 1.6F       |                 |           |                 |            |
|                         | 1725      | 1435            | 1.6E       |                       | 1524      | 1241            | 1.8E       |                 |           |                 |            |
|                         | 2352      | 2040            | 1.7F       |                       | 2205      | 1835            | 2.2F       |                 |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# BREAKWATER HARBOR, DELAWARE

**JULY 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

|           | Time |      | Height |     |           | Time |      | Height |     |                 | Time               |                           | Height          |     |  |  |
|-----------|------|------|--------|-----|-----------|------|------|--------|-----|-----------------|--------------------|---------------------------|-----------------|-----|--|--|
|           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |                 | Day                | h.m.                      | ft.             | cm  |  |  |
| <b>1</b>  |      | 0140 | 4.2    | 128 | <b>13</b> |      | 0503 | 0.2    | 6   | <b>25</b>       |                    | 0346                      | 0.1             | 3   |  |  |
|           |      | 0803 | 0.4    | 12  |           |      | 1115 | 3.8    | 116 |                 |                    | 0952                      | 3.9             | 119 |  |  |
|           | Tu   | 1420 | 3.8    | 116 |           | Su   | 1657 | 0.3    | 9   |                 | F                  | 1532                      | 0.0             | 0   |  |  |
|           |      | 2017 | 0.8    | 24  |           |      | 2331 | 4.9    | 149 |                 |                    | 2211                      | 5.2             | 158 |  |  |
| <b>2</b>  |      | 0227 | 3.9    | 119 | <b>14</b> |      | 0544 | 0.1    | 3   | <b>26</b>       |                    | 0429                      | 0.1             | 3   |  |  |
|           |      | 0848 | 0.6    | 18  |           |      | 1159 | 4.0    | 122 |                 |                    | 1039                      | 4.0             | 122 |  |  |
|           | W    | 1511 | 3.9    | 119 |           | M    | 1746 | 0.3    | 9   |                 | Sa                 | 1621                      | 0.1             | 3   |  |  |
|           | o    | 2114 | 1.0    | 30  |           |      |      |        |     |                 |                    | 2256                      | 5.0             | 152 |  |  |
| <b>3</b>  |      | 0317 | 3.6    | 110 | <b>15</b> |      | 0015 | 4.7    | 143 | <b>27</b>       |                    | 0511                      | 0.1             | 3   |  |  |
|           |      | 0932 | 0.7    | 21  |           |      | 0627 | 0.1    | 3   |                 |                    | 1124                      | 4.1             | 125 |  |  |
|           | Th   | 1603 | 3.9    | 119 |           | Tu   | 1246 | 4.1    | 125 |                 | Su                 | 1708                      | 0.3             | 9   |  |  |
|           |      | 2213 | 1.0    | 30  |           |      | 1840 | 0.4    | 12  |                 |                    | 2338                      | 4.7             | 143 |  |  |
| <b>4</b>  |      | 0411 | 3.4    | 104 | <b>16</b> |      | 0101 | 4.5    | 137 | <b>28</b>       |                    | 0552                      | 0.3             | 9   |  |  |
|           |      | 1017 | 0.7    | 21  |           |      | 0713 | 0.1    | 3   |                 |                    | 1208                      | 4.1             | 125 |  |  |
|           | F    | 1655 | 4.0    | 122 |           | W    | 1335 | 4.3    | 131 |                 | M                  | 1756                      | 0.5             | 15  |  |  |
|           |      | 2312 | 1.0    | 30  |           |      | 1938 | 0.4    | 12  |                 |                    |                           |                 |     |  |  |
| <b>5</b>  |      | 0507 | 3.3    | 101 | <b>17</b> |      | 0150 | 4.3    | 131 | <b>29</b>       |                    | 0020                      | 4.5             | 137 |  |  |
|           |      | 1103 | 0.8    | 24  |           |      | 0802 | 0.1    | 3   |                 |                    | 0633                      | 0.4             | 12  |  |  |
|           | Sa   | 1744 | 4.2    | 128 |           | Th   | 1428 | 4.5    | 137 |                 | Tu                 | 1252                      | 4.1             | 125 |  |  |
|           |      |      |        |     |           |      | 2039 | 0.5    | 15  |                 |                    | 1846                      | 0.7             | 21  |  |  |
| <b>6</b>  |      | 0008 | 1.0    | 30  | <b>18</b> |      | 0245 | 4.0    | 122 | <b>30</b>       |                    | 0101                      | 4.1             | 125 |  |  |
|           |      | 0600 | 3.2    | 98  |           |      | 0853 | 0.1    | 3   |                 |                    | 0714                      | 0.6             | 18  |  |  |
|           | Su   | 1148 | 0.8    | 24  |           | F    | 1527 | 4.6    | 140 |                 | W                  | 1335                      | 4.1             | 125 |  |  |
|           |      | 1831 | 4.3    | 131 |           | o    | 2144 | 0.6    | 18  |                 |                    | 1938                      | 0.9             | 27  |  |  |
| <b>7</b>  |      | 0100 | 0.9    | 27  | <b>19</b> |      | 0347 | 3.7    | 113 | <b>31</b>       |                    | 0142                      | 3.8             | 116 |  |  |
|           |      | 0650 | 3.2    | 98  |           |      | 0948 | 0.2    | 6   |                 |                    | 0755                      | 0.7             | 21  |  |  |
|           | M    | 1234 | 0.7    | 21  |           | Sa   | 1631 | 4.8    | 146 |                 | Th                 | 1419                      | 4.1             | 125 |  |  |
|           |      | 1916 | 4.5    | 137 |           |      | 2252 | 0.5    | 15  |                 |                    | 2030                      | 1.1             | 34  |  |  |
| <b>8</b>  |      | 0148 | 0.7    | 21  | <b>20</b> |      | 0456 | 3.6    | 110 |                 |                    |                           |                 |     |  |  |
|           |      | 0738 | 3.2    | 98  |           |      | 1046 | 0.2    | 6   |                 |                    |                           |                 |     |  |  |
|           | Tu   | 1319 | 0.6    | 18  |           | Su   | 1735 | 5.0    | 152 |                 |                    |                           |                 |     |  |  |
|           |      | 2001 | 4.7    | 143 |           |      |      |        |     |                 |                    |                           |                 |     |  |  |
| <b>9</b>  |      | 0231 | 0.6    | 18  | <b>21</b> |      | 0001 | 0.5    | 15  |                 |                    |                           |                 |     |  |  |
|           |      | 0824 | 3.3    | 101 |           |      | 0603 | 3.5    | 107 |                 |                    |                           |                 |     |  |  |
|           | W    | 1404 | 0.5    | 15  |           | M    | 1147 | 0.2    | 6   |                 |                    |                           |                 |     |  |  |
|           |      | 2044 | 4.8    | 146 |           |      | 1837 | 5.1    | 155 |                 |                    |                           |                 |     |  |  |
| <b>10</b> |      | 0310 | 0.5    | 15  | <b>22</b> |      | 0106 | 0.4    | 12  |                 |                    |                           |                 |     |  |  |
|           |      | 0908 | 3.4    | 104 |           |      | 0706 | 3.6    | 110 |                 |                    |                           |                 |     |  |  |
|           | Th   | 1447 | 0.4    | 12  |           | Tu   | 1247 | 0.1    | 3   |                 |                    |                           |                 |     |  |  |
|           | o    | 2126 | 4.9    | 149 |           |      | 1936 | 5.2    | 158 |                 |                    |                           |                 |     |  |  |
| <b>11</b> |      | 0347 | 0.3    | 9   | <b>23</b> |      | 0206 | 0.2    | 6   | <b>DAYLIGHT</b> |                    |                           |                 |     |  |  |
|           |      | 0950 | 3.5    | 107 |           |      | 0806 | 3.7    | 113 |                 | <b>SAVING TIME</b> |                           |                 |     |  |  |
|           | F    | 1529 | 0.3    | 9   |           | W    | 1346 | 0.0    | 0   |                 |                    | <b>Times ARE adjusted</b> |                 |     |  |  |
|           |      | 2207 | 5.0    | 152 |           |      | 2032 | 5.3    | 162 |                 |                    |                           | <b>for DST.</b> |     |  |  |
| <b>12</b> |      | 0424 | 0.3    | 9   | <b>24</b> |      | 0259 | 0.1    | 3   |                 |                    |                           |                 |     |  |  |
|           |      | 1032 | 3.7    | 113 |           |      | 0901 | 3.8    | 116 |                 |                    |                           |                 |     |  |  |
|           | Sa   | 1612 | 0.3    | 9   |           | Th   | 1441 | 0.0    | 0   |                 |                    |                           |                 |     |  |  |
|           |      | 2249 | 5.0    | 152 |           | o    | 2123 | 5.3    | 162 |                 |                    |                           |                 |     |  |  |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### DAYLIGHT SAVING TIME

Times ARE adjusted  
for DST.



# DELAWARE BAY ENTRANCE (LB10)

**JULY 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>                | 0300      | 0623            | 1.8E       | <b>13</b>             | 0012      | 0327            | 2.2E       | <b>25</b>   |           | 0209            | 2.3E       |
|                         | 0937      | 1230            | 1.6F       |                       | 0640      | 0938            | 1.6F       |             | 0520      | 0801            | 1.6F       |
| Tu                      | 1544      | 1854            | 1.5E       | Su                    | 1239      | 1539            | 1.9E       | F           | 1113      | 1417            | 1.8E       |
|                         | 2153      |                 |            |                       | 1832      | 2146            | 1.9F       |             | 1702      | 2008            | 2.0F       |
|                         |           |                 |            |                       |           |                 |            |             | 2333      |                 |            |
| <b>2</b>                |           | 0046            | 1.4F       | <b>14</b>             | 0055      | 0409            | 2.3E       | <b>26</b>   |           | 0255            | 2.3E       |
|                         | 0348      | 0712            | 1.7E       |                       | 0722      | 1022            | 1.8F       |             | 0606      | 0850            | 1.6F       |
| W                       | 1023      | 1319            | 1.6F       | M                     | 1325      | 1625            | 1.9E       | Sa          | 1202      | 1505            | 1.8E       |
|                         | 1638      | 1952            | 1.5E       |                       | 1922      | 2233            | 1.9F       |             | 1752      | 2058            | 1.9F       |
|                         | 2255      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>3</b>                |           | 0140            | 1.3F       | <b>15</b>             | 0139      | 0453            | 2.3E       | <b>27</b>   | 0018      | 0338            | 2.2E       |
|                         | 0439      | 0801            | 1.6E       |                       | 0806      | 1107            | 1.9F       |             | 0651      | 0938            | 1.6F       |
| Th                      | 1108      | 1410            | 1.6F       | Tu                    | 1414      | 1716            | 2.0E       | Su          | 1248      | 1550            | 1.7E       |
|                         | 1733      | 2050            | 1.5E       |                       | 2017      | 2322            | 1.9F       |             | 1841      | 2147            | 1.8F       |
|                         | 2359      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>4</b>                |           | 0237            | 1.2F       | <b>16</b>             | 0225      | 0541            | 2.3E       | <b>28</b>   | 0101      | 0419            | 2.1E       |
|                         | 0533      | 0850            | 1.5E       |                       | 0851      | 1154            | 2.0F       |             | 0733      | 1024            | 1.6F       |
| F                       | 1154      | 1501            | 1.6F       | W                     | 1505      | 1812            | 2.0E       | M           | 1333      | 1635            | 1.7E       |
|                         | 1827      | 2147            | 1.6E       |                       | 2115      |                 |            |             | 1932      | 2234            | 1.7F       |
|                         |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>5</b>                | 0103      | 0335            | 1.1F       | <b>17</b>             |           | 0015            | 1.8F       | <b>29</b>   | 0142      | 0458            | 2.0E       |
|                         | 0629      | 0940            | 1.4E       |                       | 0315      | 0632            | 2.2E       |             | 0814      | 1108            | 1.6F       |
| Sa                      | 1240      | 1553            | 1.6F       | Th                    | 0938      | 1244            | 2.0F       | Tu          | 1418      | 1722            | 1.6E       |
|                         | 1919      | 2241            | 1.6E       |                       | 1601      | 1913            | 2.0E       |             | 2024      | 2322            | 1.6F       |
|                         |           |                 |            |                       | 2219      |                 |            |             |           |                 |            |
| <b>6</b>                | 0202      | 0432            | 1.1F       | <b>18</b>             | 0409      | 0727            | 2.0E       | <b>30</b>   | 0223      | 0538            | 1.8E       |
|                         | 0723      | 1029            | 1.3E       |                       | 1029      | 1337            | 2.0F       |             | 0854      | 1152            | 1.6F       |
| Su                      | 1326      | 1643            | 1.6F       | F                     | 1701      | 2017            | 2.0E       | W           | 1504      | 1812            | 1.5E       |
|                         | 2006      | 2331            | 1.7E       |                       | 2327      |                 |            |             | 2119      |                 |            |
|                         |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>7</b>                | 0253      | 0523            | 1.1F       | <b>19</b>             |           | 0214            | 1.5F       | <b>31</b>   |           | 0011            | 1.4F       |
|                         | 0814      | 1117            | 1.4E       |                       | 0511      | 0826            | 1.9E       |             | 0305      | 0620            | 1.6E       |
| M                       | 1411      | 1729            | 1.7F       | Sa                    | 1123      | 1435            | 2.0F       | Th          | 0933      | 1237            | 1.6F       |
|                         | 2050      |                 |            |                       | 1803      | 2122            | 2.1E       |             | 1552      | 1906            | 1.5E       |
|                         |           |                 |            |                       |           |                 |            |             | 2217      |                 |            |
| <b>8</b>                |           | 0014            | 1.8E       | <b>20</b>             | 0037      | 0319            | 1.4F       |             |           |                 |            |
|                         | 0336      | 0608            | 1.2F       |                       | 0617      | 0927            | 1.8E       |             |           |                 |            |
| Tu                      | 0901      | 1203            | 1.4E       | Su                    | 1220      | 1535            | 2.0F       |             |           |                 |            |
|                         | 1455      | 1812            | 1.7F       |                       | 1906      | 2228            | 2.1E       |             |           |                 |            |
|                         | 2132      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>                |           | 0054            | 1.9E       | <b>21</b>             | 0144      | 0424            | 1.4F       |             |           |                 |            |
|                         | 0414      | 0650            | 1.3F       |                       | 0723      | 1031            | 1.7E       |             |           |                 |            |
| W                       | 0946      | 1246            | 1.5E       | M                     | 1320      | 1635            | 2.0F       |             |           |                 |            |
|                         | 1538      | 1852            | 1.7F       |                       | 2005      | 2330            | 2.2E       |             |           |                 |            |
|                         | 2212      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>10</b>               |           | 0131            | 1.9E       | <b>22</b>             | 0246      | 0524            | 1.5F       |             |           |                 |            |
|                         | 0449      | 0731            | 1.3F       |                       | 0827      | 1134            | 1.8E       |             |           |                 |            |
| Th                      | 1029      | 1328            | 1.6E       | Tu                    | 1419      | 1732            | 2.1F       |             |           |                 |            |
|                         | 1620      | 1933            | 1.7F       |                       | 2102      |                 |            |             |           |                 |            |
|                         | 2252      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>11</b>               |           | 0209            | 2.0E       | <b>23</b>             |           | 0027            | 2.3E       |             |           |                 |            |
|                         | 0524      | 0813            | 1.4F       |                       | 0342      | 0619            | 1.5F       |             |           |                 |            |
| F                       | 1112      | 1411            | 1.7E       | W                     | 0926      | 1232            | 1.8E       |             |           |                 |            |
|                         | 1702      | 2016            | 1.8F       |                       | 1517      | 1825            | 2.0F       |             |           |                 |            |
|                         | 2331      |                 |            |                       | 2155      |                 |            |             |           |                 |            |
| <b>12</b>               |           | 0247            | 2.1E       | <b>24</b>             |           | 0119            | 2.3E       |             |           |                 |            |
|                         | 0600      | 0855            | 1.5F       |                       | 0433      | 0711            | 1.6F       |             |           |                 |            |
| Sa                      | 1155      | 1454            | 1.8E       | Th                    | 1021      | 1326            | 1.8E       |             |           |                 |            |
|                         | 1746      | 2100            | 1.8F       |                       | 1611      | 1917            | 2.0F       |             |           |                 |            |
|                         |           |                 |            |                       | 2246      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# BREAKWATER HARBOR, DELAWARE

**AUGUST 2025**

**STATION ID 8557380**

| Times and Heights of High and Low Waters |         |        |     |           |         |        |     |           |                                                                                                                                                         |        |     |
|------------------------------------------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|
| Time                                     |         | Height |     | Time      |         | Height |     | Time      |                                                                                                                                                         | Height |     |
| Day                                      | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.                                                                                                                                                    | ft.    | cm  |
| <b>1</b>                                 | 0227    | 3.6    | 110 | <b>13</b> | 0557    | 0.0    | 0   | <b>25</b> | 0436                                                                                                                                                    | 0.3    | 9   |
|                                          | 0837    | 0.8    | 24  |           | 1221    | 4.8    | 146 |           | 1052                                                                                                                                                    | 4.5    | 137 |
|                                          | F 1508  | 4.1    | 125 |           | W 1824  | 0.3    | 9   |           | M 1645                                                                                                                                                  | 0.4    | 12  |
|                                          | ☉ 2126  | 1.2    | 37  |           |         |        |     |           | 2307                                                                                                                                                    | 4.6    | 140 |
| <b>2</b>                                 | 0318    | 3.3    | 101 | <b>14</b> | 0041    | 4.5    | 137 | <b>26</b> | 0511                                                                                                                                                    | 0.4    | 12  |
|                                          | 0923    | 0.9    | 27  |           | 0644    | 0.1    | 3   |           | 1131                                                                                                                                                    | 4.5    | 137 |
|                                          | Sa 1602 | 4.1    | 125 |           | Th 1312 | 4.8    | 146 |           | Tu 1727                                                                                                                                                 | 0.6    | 18  |
|                                          | 2226    | 1.2    | 37  |           | 1923    | 0.4    | 12  |           | 2344                                                                                                                                                    | 4.3    | 131 |
| <b>3</b>                                 | 0417    | 3.2    | 98  | <b>15</b> | 0132    | 4.2    | 128 | <b>27</b> | 0546                                                                                                                                                    | 0.6    | 18  |
|                                          | 1012    | 1.0    | 30  |           | 0734    | 0.2    | 6   |           | 1209                                                                                                                                                    | 4.4    | 134 |
|                                          | Su 1659 | 4.2    | 128 |           | F 1406  | 4.9    | 149 |           | W 1812                                                                                                                                                  | 0.8    | 24  |
|                                          | 2327    | 1.2    | 37  |           | 2025    | 0.6    | 18  |           |                                                                                                                                                         |        |     |
| <b>4</b>                                 | 0519    | 3.1    | 94  | <b>16</b> | 0229    | 3.9    | 119 | <b>28</b> | 0022                                                                                                                                                    | 4.1    | 125 |
|                                          | 1105    | 1.0    | 30  |           | 0828    | 0.3    | 9   |           | 0624                                                                                                                                                    | 0.8    | 24  |
|                                          | M 1753  | 4.4    | 134 |           | Sa 1507 | 4.9    | 149 |           | Th 1249                                                                                                                                                 | 4.4    | 134 |
|                                          |         |        |     |           | ☉ 2133  | 0.7    | 21  |           | 1859                                                                                                                                                    | 1.0    | 30  |
| <b>5</b>                                 | 0024    | 1.1    | 34  | <b>17</b> | 0335    | 3.6    | 110 | <b>29</b> | 0101                                                                                                                                                    | 3.8    | 116 |
|                                          | 0615    | 3.2    | 98  |           | 0927    | 0.4    | 12  |           | 0704                                                                                                                                                    | 0.9    | 27  |
|                                          | Tu 1157 | 0.9    | 27  |           | Su 1616 | 4.9    | 149 |           | F 1331                                                                                                                                                  | 4.3    | 131 |
|                                          | 1844    | 4.5    | 137 |           | 2245    | 0.8    | 24  |           | 1949                                                                                                                                                    | 1.2    | 37  |
| <b>6</b>                                 | 0114    | 0.9    | 27  | <b>18</b> | 0449    | 3.5    | 107 | <b>30</b> | 0145                                                                                                                                                    | 3.6    | 110 |
|                                          | 0706    | 3.3    | 101 |           | 1031    | 0.5    | 15  |           | 0747                                                                                                                                                    | 1.1    | 34  |
|                                          | W 1248  | 0.7    | 21  |           | M 1726  | 5.0    | 152 |           | Sa 1418                                                                                                                                                 | 4.3    | 131 |
|                                          | 1931    | 4.7    | 143 |           | 2356    | 0.7    | 21  |           | 2043                                                                                                                                                    | 1.3    | 40  |
| <b>7</b>                                 | 0159    | 0.7    | 21  | <b>19</b> | 0559    | 3.6    | 110 | <b>31</b> | 0234                                                                                                                                                    | 3.4    | 104 |
|                                          | 0754    | 3.5    | 107 |           | 1137    | 0.5    | 15  |           | 0834                                                                                                                                                    | 1.2    | 37  |
|                                          | Th 1337 | 0.5    | 15  |           | Tu 1830 | 5.0    | 152 |           | Su 1512                                                                                                                                                 | 4.2    | 128 |
|                                          | 2017    | 4.9    | 149 |           |         |        |     |           | ☉ 2142                                                                                                                                                  | 1.4    | 43  |
| <b>8</b>                                 | 0239    | 0.5    | 15  | <b>20</b> | 0059    | 0.6    | 18  |           | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.<br>Heights are referred to mean<br>lower low water which is the<br>chart datum of soundings. |        |     |
|                                          | 0840    | 3.7    | 113 |           | 0701    | 3.7    | 113 |           |                                                                                                                                                         |        |     |
|                                          | F 1424  | 0.4    | 12  |           | W 1240  | 0.4    | 12  |           |                                                                                                                                                         |        |     |
|                                          | 2101    | 5.1    | 155 |           | 1928    | 5.1    | 155 |           |                                                                                                                                                         |        |     |
| <b>9</b>                                 | 0317    | 0.3    | 9   | <b>21</b> | 0155    | 0.5    | 15  |           |                                                                                                                                                         |        |     |
|                                          | 0923    | 3.9    | 119 |           | 0757    | 3.9    | 119 |           |                                                                                                                                                         |        |     |
|                                          | Sa 1509 | 0.2    | 6   |           | Th 1339 | 0.3    | 9   |           |                                                                                                                                                         |        |     |
|                                          | ☉ 2143  | 5.1    | 155 |           | 2021    | 5.2    | 158 |           |                                                                                                                                                         |        |     |
| <b>10</b>                                | 0354    | 0.2    | 6   | <b>22</b> | 0242    | 0.4    | 12  |           |                                                                                                                                                         |        |     |
|                                          | 1006    | 4.2    | 128 |           | 0847    | 4.1    | 125 |           |                                                                                                                                                         |        |     |
|                                          | Su 1554 | 0.1    | 3   |           | F 1432  | 0.2    | 6   |           |                                                                                                                                                         |        |     |
|                                          | 2225    | 5.1    | 155 |           | 2108    | 5.1    | 155 |           |                                                                                                                                                         |        |     |
| <b>11</b>                                | 0433    | 0.0    | 0   | <b>23</b> | 0324    | 0.3    | 9   |           | <b>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST.                                                                                   |        |     |
|                                          | 1049    | 4.4    | 134 |           | 0932    | 4.3    | 131 |           |                                                                                                                                                         |        |     |
|                                          | M 1640  | 0.1    | 3   |           | Sa 1519 | 0.2    | 6   |           |                                                                                                                                                         |        |     |
|                                          | 2308    | 5.0    | 152 |           | ☉ 2150  | 5.0    | 152 |           |                                                                                                                                                         |        |     |
| <b>12</b>                                | 0513    | 0.0    | 0   | <b>24</b> | 0401    | 0.3    | 9   |           |                                                                                                                                                         |        |     |
|                                          | 1134    | 4.6    | 140 |           | 1013    | 4.4    | 134 |           |                                                                                                                                                         |        |     |
|                                          | Tu 1730 | 0.1    | 3   |           | Su 1603 | 0.3    | 9   |           |                                                                                                                                                         |        |     |
|                                          | 2353    | 4.8    | 146 |           | 2229    | 4.8    | 146 |           |                                                                                                                                                         |        |     |

# DELAWARE BAY ENTRANCE(LB10)

**AUGUST 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>                |           | 0102            | 1.2F       | <b>13</b>             | 0115      | 0427            | 2.4E       | <b>25</b>   |           | 0310            | 2.2E       |
| F                       | 0350      | 0704            | 1.5E       |                       | 0734      | 1038            | 2.0F       |             | 0619      | 0908            | 1.7F       |
|                         | 1014      | 1324            | 1.5F       | W                     | 1350      | 1656            | 2.1E       | M           | 1219      | 1525            | 1.8E       |
|                         | 1644      | 2002            | 1.5E       |                       | 2000      | 2301            | 1.9F       |             | 1820      | 2121            | 1.8F       |
|                         | 2319      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>2</b>                |           | 0156            | 1.1F       | <b>14</b>             | 0202      | 0515            | 2.3E       | <b>26</b>   | 0032      | 0345            | 2.0E       |
| Sa                      | 0442      | 0753            | 1.4E       |                       | 0820      | 1126            | 2.1F       |             | 0655      | 0950            | 1.7F       |
|                         | 1059      | 1415            | 1.5F       | Th                    | 1442      | 1752            | 2.1E       | Tu          | 1259      | 1605            | 1.8E       |
|                         | 1739      | 2100            | 1.5E       |                       | 2101      | 2356            | 1.7F       |             | 1906      | 2206            | 1.7F       |
|                         |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>3</b>                | 0022      | 0253            | 1.0F       | <b>15</b>             | 0253      | 0607            | 2.1E       | <b>27</b>   | 0109      | 0419            | 1.9E       |
|                         | 0539      | 0846            | 1.3E       |                       | 0909      | 1218            | 2.1F       |             | 0731      | 1030            | 1.6F       |
| Su                      | 1149      | 1509            | 1.5F       | F                     | 1539      | 1855            | 2.0E       | W           | 1339      | 1646            | 1.7E       |
|                         | 1835      | 2156            | 1.5E       |                       | 2205      |                 |            |             | 1955      | 2251            | 1.5F       |
|                         |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>4</b>                | 0121      | 0352            | 1.0F       | <b>16</b>             |           | 0054            | 1.6F       | <b>28</b>   | 0147      | 0453            | 1.7E       |
|                         | 0637      | 0941            | 1.3E       |                       | 0349      | 0705            | 1.9E       |             | 0806      | 1111            | 1.6F       |
| M                       | 1242      | 1604            | 1.5F       | Sa                    | 1003      | 1314            | 2.0F       | Th          | 1421      | 1729            | 1.6E       |
|                         | 1927      | 2250            | 1.6E       |                       | 1641      | 2002            | 2.0E       |             | 2045      | 2337            | 1.4F       |
|                         |           |                 |            |                       | 2314      |                 |            |             |           |                 |            |
| <b>5</b>                | 0213      | 0446            | 1.0F       | <b>17</b>             |           | 0157            | 1.4F       | <b>29</b>   | 0226      | 0531            | 1.6E       |
|                         | 0733      | 1036            | 1.3E       |                       | 0455      | 0809            | 1.8E       |             | 0843      | 1154            | 1.6F       |
| Tu                      | 1335      | 1656            | 1.6F       | Su                    | 1103      | 1415            | 1.9F       | F           | 1505      | 1817            | 1.5E       |
|                         | 2016      | 2337            | 1.7E       |                       | 1748      | 2110            | 2.0E       |             | 2139      |                 |            |
|                         |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>6</b>                | 0257      | 0534            | 1.1F       | <b>18</b>             | 0025      | 0304            | 1.3F       | <b>30</b>   |           | 0026            | 1.2F       |
|                         | 0824      | 1128            | 1.4E       |                       | 0606      | 0916            | 1.7E       |             | 0309      | 0614            | 1.4E       |
| W                       | 1425      | 1743            | 1.6F       | M                     | 1208      | 1521            | 1.9F       | Sa          | 0924      | 1240            | 1.5F       |
|                         | 2102      |                 |            |                       | 1854      | 2217            | 2.0E       |             | 1554      | 1911            | 1.4E       |
|                         |           |                 |            |                       |           |                 |            |             | 2235      |                 |            |
| <b>7</b>                |           | 0020            | 1.8E       | <b>19</b>             | 0132      | 0411            | 1.4F       | <b>31</b>   |           | 0118            | 1.0F       |
|                         | 0336      | 0617            | 1.3F       |                       | 0716      | 1024            | 1.7E       |             | 0358      | 0705            | 1.3E       |
| Th                      | 0911      | 1215            | 1.6E       | Tu                    | 1314      | 1626            | 1.9F       | Su          | 1011      | 1331            | 1.4F       |
|                         | 1511      | 1826            | 1.8F       |                       | 1957      | 2319            | 2.1E       |             | 1649      | 2008            | 1.4E       |
|                         | 2145      |                 |            |                       |           |                 |            |             | 2334      |                 |            |
| <b>8</b>                |           | 0100            | 1.9E       | <b>20</b>             | 0233      | 0513            | 1.5F       |             |           |                 |            |
|                         | 0413      | 0659            | 1.4F       |                       | 0819      | 1128            | 1.8E       |             |           |                 |            |
| F                       | 0956      | 1301            | 1.7E       | W                     | 1417      | 1725            | 1.9F       |             |           |                 |            |
|                         | 1555      | 1907            | 1.9F       |                       | 2053      |                 |            |             |           |                 |            |
|                         | 2226      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>                |           | 0139            | 2.1E       | <b>21</b>             |           | 0014            | 2.2E       |             |           |                 |            |
|                         | 0450      | 0740            | 1.5F       |                       | 0327      | 0607            | 1.6F       |             |           |                 |            |
| Sa                      | 1040      | 1345            | 1.9E       | Th                    | 0916      | 1224            | 1.9E       |             |           |                 |            |
|                         | 1639      | 1950            | 1.9F       |                       | 1513      | 1818            | 2.0F       |             |           |                 |            |
|                         | 2307      |                 |            |                       | 2144      |                 |            |             |           |                 |            |
| <b>10</b>               |           | 0220            | 2.2E       | <b>22</b>             |           | 0104            | 2.3E       |             |           |                 |            |
|                         | 0528      | 0822            | 1.7F       |                       | 0415      | 0656            | 1.6F       |             |           |                 |            |
| Su                      | 1125      | 1430            | 2.0E       | F                     | 1007      | 1314            | 1.9E       |             |           |                 |            |
|                         | 1724      | 2035            | 2.0F       |                       | 1604      | 1905            | 2.0F       |             |           |                 |            |
|                         | 2348      |                 |            |                       | 2231      |                 |            |             |           |                 |            |
| <b>11</b>               |           | 0301            | 2.3E       | <b>23</b>             |           | 0150            | 2.3E       |             |           |                 |            |
|                         | 0608      | 0906            | 1.8F       |                       | 0459      | 0741            | 1.7F       |             |           |                 |            |
| M                       | 1212      | 1517            | 2.1E       | Sa                    | 1054      | 1401            | 1.9E       |             |           |                 |            |
|                         | 1812      | 2122            | 2.0F       |                       | 1650      | 1951            | 2.0F       |             |           |                 |            |
|                         |           |                 |            |                       | 2313      |                 |            |             |           |                 |            |
| <b>12</b>               | 0031      | 0343            | 2.4E       | <b>24</b>             |           | 0232            | 2.2E       |             |           |                 |            |
|                         | 0650      | 0952            | 1.9F       |                       | 0540      | 0825            | 1.7F       |             |           |                 |            |
| Tu                      | 1300      | 1605            | 2.1E       | Su                    | 1138      | 1444            | 1.9E       |             |           |                 |            |
|                         | 1904      | 2210            | 2.0F       |                       | 1735      | 2036            | 1.9F       |             |           |                 |            |
|                         |           |                 |            |                       | 2353      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# BREAKWATER HARBOR, DELAWARE

**SEPTEMBER 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

|           | Time |      | Height |     |           | Time |      | Height |     |           | Time |      | Height |     |
|-----------|------|------|--------|-----|-----------|------|------|--------|-----|-----------|------|------|--------|-----|
|           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |
| <b>1</b>  |      | 0333 | 3.2    | 98  | <b>13</b> |      | 0118 | 4.1    | 125 | <b>25</b> |      | 0503 | 0.7    | 21  |
|           |      | 0927 | 1.2    | 37  |           |      | 0710 | 0.4    | 12  |           |      | 1129 | 4.7    | 143 |
|           | M    | 1614 | 4.3    | 131 |           | Sa   | 1348 | 5.2    | 158 |           | Th   | 1740 | 0.8    | 24  |
|           |      | 2244 | 1.4    | 43  |           |      | 2015 | 0.7    | 21  |           |      | 2346 | 3.9    | 119 |
| <b>2</b>  |      | 0440 | 3.2    | 98  | <b>14</b> |      | 0219 | 3.8    | 116 | <b>26</b> |      | 0538 | 0.9    | 27  |
|           |      | 1025 | 1.2    | 37  |           |      | 0809 | 0.6    | 18  |           |      | 1208 | 4.6    | 140 |
|           | Tu   | 1715 | 4.4    | 134 |           | Su   | 1452 | 5.0    | 152 |           | F    | 1824 | 1.0    | 30  |
|           |      | 2343 | 1.3    | 40  |           | ☉    | 2125 | 0.8    | 24  |           |      |      |        |     |
| <b>3</b>  |      | 0542 | 3.3    | 101 | <b>15</b> |      | 0330 | 3.6    | 110 | <b>27</b> |      | 0026 | 3.7    | 113 |
|           |      | 1123 | 1.0    | 30  |           |      | 0914 | 0.7    | 21  |           |      | 0617 | 1.0    | 30  |
|           | W    | 1810 | 4.6    | 140 |           | M    | 1605 | 4.9    | 149 |           | Sa   | 1250 | 4.5    | 137 |
|           |      |      |        |     |           |      | 2239 | 0.9    | 27  |           |      | 1913 | 1.2    | 37  |
| <b>4</b>  |      | 0034 | 1.1    | 34  | <b>16</b> |      | 0447 | 3.6    | 110 | <b>28</b> |      | 0110 | 3.5    | 107 |
|           |      | 0635 | 3.6    | 110 |           |      | 1023 | 0.8    | 24  |           |      | 0702 | 1.2    | 37  |
|           | Th   | 1219 | 0.8    | 24  |           | Tu   | 1718 | 4.9    | 149 |           | Su   | 1337 | 4.4    | 134 |
|           |      | 1859 | 4.8    | 146 |           |      | 2347 | 0.8    | 24  |           |      | 2005 | 1.3    | 40  |
| <b>5</b>  |      | 0119 | 0.8    | 24  | <b>17</b> |      | 0555 | 3.8    | 116 | <b>29</b> |      | 0159 | 3.3    | 101 |
|           |      | 0723 | 3.9    | 119 |           |      | 1133 | 0.7    | 21  |           |      | 0752 | 1.3    | 40  |
|           | F    | 1311 | 0.6    | 18  |           | W    | 1821 | 4.9    | 149 |           | M    | 1430 | 4.3    | 131 |
|           |      | 1946 | 5.0    | 152 |           |      |      |        |     |           | ☉    | 2102 | 1.4    | 43  |
| <b>6</b>  |      | 0201 | 0.5    | 15  | <b>18</b> |      | 0045 | 0.7    | 21  | <b>30</b> |      | 0257 | 3.3    | 101 |
|           |      | 0809 | 4.2    | 128 |           |      | 0652 | 4.0    | 122 |           |      | 0848 | 1.3    | 40  |
|           | Sa   | 1401 | 0.3    | 9   |           | Th   | 1235 | 0.6    | 18  |           | Tu   | 1530 | 4.3    | 131 |
|           |      | 2031 | 5.1    | 155 |           |      | 1915 | 4.9    | 149 |           |      | 2201 | 1.3    | 40  |
| <b>7</b>  |      | 0241 | 0.3    | 9   | <b>19</b> |      | 0135 | 0.6    | 18  |           |      |      |        |     |
|           |      | 0853 | 4.5    | 137 |           |      | 0742 | 4.2    | 128 |           |      |      |        |     |
|           | Su   | 1449 | 0.1    | 3   |           | F    | 1331 | 0.5    | 15  |           |      |      |        |     |
|           | ☉    | 2115 | 5.2    | 158 |           |      | 2003 | 4.9    | 149 |           |      |      |        |     |
| <b>8</b>  |      | 0320 | 0.1    | 3   | <b>20</b> |      | 0217 | 0.5    | 15  |           |      |      |        |     |
|           |      | 0937 | 4.9    | 149 |           |      | 0827 | 4.4    | 134 |           |      |      |        |     |
|           | M    | 1536 | 0.0    | 0   |           | Sa   | 1421 | 0.4    | 12  |           |      |      |        |     |
|           |      | 2159 | 5.1    | 155 |           |      | 2046 | 4.8    | 146 |           |      |      |        |     |
| <b>9</b>  |      | 0400 | -0.1   | -3  | <b>21</b> |      | 0254 | 0.4    | 12  |           |      |      |        |     |
|           |      | 1021 | 5.1    | 155 |           |      | 0907 | 4.6    | 140 |           |      |      |        |     |
|           | Tu   | 1624 | -0.1   | -3  |           | Su   | 1504 | 0.4    | 12  |           |      |      |        |     |
|           |      | 2244 | 5.0    | 152 |           | ●    | 2124 | 4.7    | 143 |           |      |      |        |     |
| <b>10</b> |      | 0442 | -0.1   | -3  | <b>22</b> |      | 0327 | 0.4    | 12  |           |      |      |        |     |
|           |      | 1107 | 5.3    | 162 |           |      | 0944 | 4.7    | 143 |           |      |      |        |     |
|           | W    | 1714 | 0.0    | 0   |           | M    | 1544 | 0.4    | 12  |           |      |      |        |     |
|           |      | 2332 | 4.7    | 143 |           |      | 2200 | 4.6    | 140 |           |      |      |        |     |
| <b>11</b> |      | 0527 | 0.0    | 0   | <b>23</b> |      | 0359 | 0.5    | 15  |           |      |      |        |     |
|           |      | 1157 | 5.3    | 162 |           |      | 1019 | 4.8    | 146 |           |      |      |        |     |
|           | Th   | 1810 | 0.2    | 6   |           | Tu   | 1622 | 0.5    | 15  |           |      |      |        |     |
|           |      |      |        |     |           |      | 2234 | 4.4    | 134 |           |      |      |        |     |
| <b>12</b> |      | 0023 | 4.4    | 134 | <b>24</b> |      | 0430 | 0.6    | 18  |           |      |      |        |     |
|           |      | 0616 | 0.2    | 6   |           |      | 1053 | 4.8    | 146 |           |      |      |        |     |
|           | F    | 1250 | 5.3    | 162 |           | W    | 1700 | 0.7    | 21  |           |      |      |        |     |
|           |      | 1910 | 0.5    | 15  |           |      | 2309 | 4.2    | 128 |           |      |      |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# DELAWARE BAY ENTRANCE (LB10)

**SEPTEMBER 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |                 |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-----------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water     |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day             | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>M           | 0454      | 0213            | 1.0F       | <b>13</b><br>Sa       | 0234      | 0544            | 1.9E       | <b>25</b><br>Th | 0038      | 0341            | 1.8E       |
|                         | 1106      | 0801            | 1.2E       |                       | 0844      | 1154            | 2.0F       |                 | 0645      | 0952            | 1.7F       |
|                         | 1749      | 1427            | 1.4F       |                       | 1518      | 1838            | 2.0E       |                 | 1302      | 1612            | 1.8E       |
|                         |           | 2107            | 1.4E       |                       | 2152      |                 |            |                 | 1927      | 2221            | 1.5F       |
| <b>2</b><br>Tu          | 0032      | 0311            | 0.9F       | <b>14</b><br>Su       | 0335      | 0648            | 1.8E       | <b>26</b><br>F  | 0114      | 0414            | 1.6E       |
|                         | 0556      | 0901            | 1.3E       |                       | 0944      | 1255            | 1.9F       |                 | 0719      | 1032            | 1.6F       |
|                         | 1205      | 1526            | 1.4F       |                       | 1623      | 1947            | 1.9E       |                 | 1340      | 1651            | 1.7E       |
|                         | 1848      | 2204            | 1.5E       |                       | 2300      |                 |            |                 | 2013      | 2306            | 1.3F       |
| <b>3</b><br>W           | 0125      | 0407            | 1.0F       | <b>15</b><br>M        | 0445      | 0142            | 1.4F       | <b>27</b><br>Sa | 0153      | 0451            | 1.5E       |
|                         | 0655      | 1000            | 1.4E       |                       | 0758      | 1401            | 1.7F       |                 | 0758      | 1114            | 1.5F       |
|                         | 1303      | 1623            | 1.5F       |                       | 1051      | 2057            | 1.9E       |                 | 1422      | 1733            | 1.6E       |
|                         | 1941      | 2256            | 1.6E       |                       | 1734      |                 |            |                 | 2101      | 2352            | 1.2F       |
| <b>4</b><br>Th          | 0213      | 0458            | 1.2F       | <b>16</b><br>Tu       | 0010      | 0251            | 1.3F       | <b>28</b><br>Su | 0235      | 0535            | 1.4E       |
|                         | 0748      | 1055            | 1.6E       |                       | 0600      | 0910            | 1.6E       |                 | 0842      | 1200            | 1.4F       |
|                         | 1356      | 1713            | 1.7F       |                       | 1203      | 1511            | 1.7F       |                 | 1508      | 1823            | 1.5E       |
|                         | 2029      | 2343            | 1.8E       |                       | 1843      | 2204            | 1.9E       |                 | 2151      |                 |            |
| <b>5</b><br>F           | 0255      | 0543            | 1.4F       | <b>17</b><br>W        | 0116      | 0359            | 1.4F       | <b>29</b><br>M  | 0322      | 0042            | 1.1F       |
|                         | 0837      | 1146            | 1.7E       |                       | 0709      | 1018            | 1.7E       |                 | 0933      | 0627            | 1.3E       |
|                         | 1445      | 1758            | 1.8F       |                       | 1312      | 1619            | 1.8F       |                 | 1603      | 1252            | 1.4F       |
|                         | 2114      |                 |            |                       | 1945      | 2304            | .0E        |                 | 2244      | 1920            | 1.4E       |
| <b>6</b><br>Sa          |           | 0026            | 2.0E       | <b>18</b><br>Th       | 0215      | 0501            | 1.5F       | <b>30</b><br>Tu | 0417      | 0135            | 1.0F       |
|                         | 0335      | 0625            | 1.6F       |                       | 0809      | 1118            | 1.8E       |                 | 1030      | 0726            | 1.3E       |
|                         | 0924      | 1233            | 1.9E       |                       | 1413      | 1717            | 1.9F       |                 | 1704      | 1349            | 1.3F       |
|                         | 1531      | 1840            | 2.0F       |                       | 2039      | 2357            | .2E        |                 | 2341      | 2020            | 1.4E       |
| <b>7</b><br>Su          |           | 0107            | 2.2E       | <b>19</b><br>F        | 0306      | 0552            | 1.7F       |                 |           |                 |            |
|                         | 0413      | 0706            | 1.7F       |                       | 0902      | 1211            | 1.9E       |                 |           |                 |            |
|                         | 1009      | 1320            | 2.1E       |                       | 1506      | 1806            | 1.9F       |                 |           |                 |            |
|                         | 1617      | 1923            | 2.1F       |                       | 2127      |                 |            |                 |           |                 |            |
| <b>8</b><br>M           |           | 0149            | 2.3E       | <b>20</b><br>Sa       | 0351      | 0044            | .2E        |                 |           |                 |            |
|                         | 0452      | 0748            | 1.9F       |                       | 0637      | 0637            | 1.8F       |                 |           |                 |            |
|                         | 1056      | 1407            | 2.2E       |                       | 0949      | 1258            | .0E        |                 |           |                 |            |
|                         | 1705      | 2009            | 2.1F       |                       | 1552      | 1849            | 2.0F       |                 |           |                 |            |
|                         |           | 2321            |            | 2209                  |           |                 |            |                 |           |                 |            |
| <b>9</b><br>Tu          |           | 0231            | 2.4E       | <b>21</b><br>Su       | 0431      | 0126            | .2E        |                 |           |                 |            |
|                         | 0533      | 0832            | 2.0F       |                       | 1032      | 0717            | 1.8F       |                 |           |                 |            |
|                         | 1144      | 1455            | 2.3E       |                       | 1636      | 1342            | .0E        |                 |           |                 |            |
|                         | 1755      | 2057            | 2.0F       |                       | 2248      | 1931            | 2.0F       |                 |           |                 |            |
| <b>10</b><br>W          | 0005      | 0315            | 2.4E       | <b>22</b><br>M        | 0508      | 0204            | .2E        |                 |           |                 |            |
|                         | 0615      | 0919            | 2.1F       |                       | 1111      | 0757            | 1.8F       |                 |           |                 |            |
|                         | 1233      | 1544            | 2.3E       |                       | 1718      | 1422            | .0E        |                 |           |                 |            |
|                         | 1848      | 2148            | 1.9F       |                       | 2326      | 2012            | 1.9F       |                 |           |                 |            |
| <b>11</b><br>Th         | 0051      | 0401            | 2.3E       | <b>23</b><br>Tu       | 0541      | 0238            | .1E        |                 |           |                 |            |
|                         | 0700      | 1007            | 2.2F       |                       | 1148      | 0835            | 1.8F       |                 |           |                 |            |
|                         | 1324      | 1636            | 2.3E       |                       | 1800      | 1500            | 1.9E       |                 |           |                 |            |
|                         | 1946      | 2241            | 1.8F       |                       |           | 2055            | 1.8F       |                 |           |                 |            |
| <b>12</b><br>F          | 0140      | 0449            | 2.1E       | <b>24</b><br>W        | 0002      | 0310            | 1.9E       |                 |           |                 |            |
|                         | 0749      | 1059            | 2.1F       |                       | 0613      | 0914            | 1.7F       |                 |           |                 |            |
|                         | 1419      | 1733            | 2.1E       |                       | 1225      | 1536            | 1.9E       |                 |           |                 |            |
|                         | 2047      | 2337            | 1.6F       |                       | 1843      | 2138            | 1.6F       |                 |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# BREAKWATER HARBOR, DELAWARE

**OCTOBER 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

| Time      |         |      | Height |           |         | Time |     |           | Height  |     |     |
|-----------|---------|------|--------|-----------|---------|------|-----|-----------|---------|-----|-----|
| Day       | h.m.    | ft.  | cm     | Day       | h.m.    | ft.  | cm  | Day       | h.m.    | ft. | cm  |
| <b>1</b>  | 0404    | 3.3  | 101    | <b>13</b> | 0211    | 3.7  | 113 | <b>25</b> | 0501    | 0.8 | 24  |
|           | 0949    | 1.3  | 40     |           | 0754    | 0.7  | 21  |           | 1136    | 4.7 | 143 |
|           | W 1634  | 4.4  | 134    |           | M 1438  | 4.9  | 149 |           | Sa 1756 | 0.9 | 27  |
|           | 2258    | 1.2  | 37     |           | ☉ 2115  | 0.8  | 24  |           | 2358    | 3.5 | 107 |
| <b>2</b>  | 0508    | 3.5  | 107    | <b>14</b> | 0323    | 3.6  | 110 | <b>26</b> | 0540    | 0.9 | 27  |
|           | 1051    | 1.1  | 34     |           | 0903    | 0.8  | 24  |           | 1218    | 4.6 | 140 |
|           | Th 1733 | 4.6  | 140    |           | Tu 1551 | 4.7  | 143 |           | Su 1842 | 1.0 | 30  |
|           | 2349    | 1.0  | 30     |           | 2225    | 0.8  | 24  |           |         |     |     |
| <b>3</b>  | 0602    | 3.8  | 116    | <b>15</b> | 0437    | 3.7  | 113 | <b>27</b> | 0042    | 3.3 | 101 |
|           | 1150    | 0.8  | 24     |           | 1016    | 0.9  | 27  |           | 0625    | 1.0 | 30  |
|           | F 1824  | 4.7  | 143    |           | W 1702  | 4.6  | 140 |           | M 1304  | 4.4 | 134 |
|           |         |      |        |           | 2327    | 0.8  | 24  |           | 1933    | 1.1 | 34  |
| <b>4</b>  | 0036    | 0.7  | 21     | <b>16</b> | 0542    | 3.9  | 119 | <b>28</b> | 0131    | 3.2 | 98  |
|           | 0650    | 4.2  | 128    |           | 1125    | 0.8  | 24  |           | 0717    | 1.1 | 34  |
|           | Sa 1245 | 0.5  | 15     |           | Th 1802 | 4.6  | 140 |           | Tu 1354 | 4.3 | 131 |
|           | 1912    | 4.9  | 149    |           |         |      |     |           | 2025    | 1.1 | 34  |
| <b>5</b>  | 0120    | 0.4  | 12     | <b>17</b> | 0020    | 0.7  | 21  | <b>29</b> | 0226    | 3.2 | 98  |
|           | 0737    | 4.7  | 143    |           | 0634    | 4.2  | 128 |           | 0815    | 1.1 | 34  |
|           | Su 1338 | 0.2  | 6      |           | F 1226  | 0.7  | 21  |           | W 1450  | 4.3 | 131 |
|           | 2000    | 5.0  | 152    |           | 1853    | 4.5  | 137 |           | ☉ 2119  | 1.0 | 30  |
| <b>6</b>  | 0203    | 0.1  | 3      | <b>18</b> | 0104    | 0.6  | 18  | <b>30</b> | 0328    | 3.4 | 104 |
|           | 0823    | 5.1  | 155    |           | 0720    | 4.4  | 134 |           | 0916    | 1.1 | 34  |
|           | M 1429  | 0.0  | 0      |           | Sa 1319 | 0.6  | 18  |           | Th 1551 | 4.3 | 131 |
|           | 2047    | 5.0  | 152    |           | 1938    | 4.5  | 137 |           | 2213    | 0.9 | 27  |
| <b>7</b>  | 0246    | -0.1 | -3     | <b>19</b> | 0144    | 0.5  | 15  | <b>31</b> | 0431    | 3.6 | 110 |
|           | 0909    | 5.4  | 165    |           | 0801    | 4.6  | 140 |           | 1020    | 0.9 | 27  |
|           | Tu 1519 | -0.2 | -6     |           | Su 1405 | 0.5  | 15  |           | F 1652  | 4.3 | 131 |
|           | ☉ 2134  | 4.9  | 149    |           | 2018    | 4.4  | 134 |           | 2305    | 0.6 | 18  |
| <b>8</b>  | 0329    | -0.2 | -6     | <b>20</b> | 0219    | 0.5  | 15  |           |         |     |     |
|           | 0955    | 5.6  | 171    |           | 0838    | 4.7  | 143 |           |         |     |     |
|           | W 1608  | -0.2 | -6     |           | M 1446  | 0.5  | 15  |           |         |     |     |
|           | 2222    | 4.7  | 143    |           | 2055    | 4.3  | 131 |           |         |     |     |
| <b>9</b>  | 0414    | -0.2 | -6     | <b>21</b> | 0251    | 0.5  | 15  |           |         |     |     |
|           | 1044    | 5.7  | 174    |           | 0913    | 4.8  | 146 |           |         |     |     |
|           | Th 1700 | -0.1 | -3     |           | Tu 1524 | 0.4  | 12  |           |         |     |     |
|           | 2313    | 4.5  | 137    |           | ☉ 2130  | 4.1  | 125 |           |         |     |     |
| <b>10</b> | 0500    | 0.0  | 0      | <b>22</b> | 0323    | 0.5  | 15  |           |         |     |     |
|           | 1136    | 5.6  | 171    |           | 0947    | 4.9  | 149 |           |         |     |     |
|           | F 1756  | 0.1  | 3      |           | W 1600  | 0.5  | 15  |           |         |     |     |
|           |         |      |        |           | 2205    | 4.0  | 122 |           |         |     |     |
| <b>11</b> | 0007    | 4.2  | 128    | <b>23</b> | 0354    | 0.6  | 18  |           |         |     |     |
|           | 0552    | 0.2  | 6      |           | 1021    | 4.8  | 146 |           |         |     |     |
|           | Sa 1232 | 5.4  | 165    |           | Th 1636 | 0.6  | 18  |           |         |     |     |
|           | 1858    | 0.4  | 12     |           | 2240    | 3.8  | 116 |           |         |     |     |
| <b>12</b> | 0106    | 3.9  | 119    | <b>24</b> | 0427    | 0.7  | 21  |           |         |     |     |
|           | 0650    | 0.4  | 12     |           | 1057    | 4.8  | 146 |           |         |     |     |
|           | Su 1332 | 5.2  | 158    |           | F 1714  | 0.7  | 21  |           |         |     |     |
|           | 2005    | 0.6  | 18     |           | 2318    | 3.6  | 110 |           |         |     |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# DELAWARE BAY ENTRANCE (LB10)

**OCTOBER 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |      |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |      |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |      |
| <b>1</b>                |           | 0231            | 1.0F       | <b>13</b>             |           | 0021            | 1.4F       | <b>25</b>   | 0046      | 0343            | 1.6E       |      |
| W                       | 0519      | 0827            | 1.4E       | M                     | 0324      | 0634            | 1.6E       | Sa          | 0642      | 0958            | 1.6F       |      |
|                         | 1132      | 1450            | 1.4F       |                       | 0930      | 1238            | 1.7F       |             | 1306      | 1619            | 1.8E       |      |
|                         | 1807      | 2119            | 1.5E       |                       | 1605      | 1931            | 1.8E       |             | 1942      | 2237            | 1.3F       |      |
|                         |           |                 |            |                       | 2243      |                 |            |             |           |                 |            |      |
| <b>2</b>                | 0036      | 0327            | 1.1F       | <b>14</b>             |           | 0126            | 1.4F       | <b>26</b>   | 0125      | 0421            | 1.5E       |      |
| Th                      | 0619      | 0927            | 1.5E       | Tu                    | 0435      | 0748            | 1.6E       | Su          | 0722      | 1040            | 1.5F       |      |
|                         | 1232      | 1548            | 1.5F       |                       | 1042      | 1347            | 1.6F       |             | 1347      | 1659            | 1.7E       |      |
|                         | 1904      | 2214            | 1.6E       |                       | 1717      | 2040            | 1.8E       |             | 2025      | 2321            | 1.2F       |      |
|                         |           |                 |            |                       | 2350      |                 |            |             |           |                 |            |      |
| <b>3</b>                | 0127      | 0420            | 1.3F       | <b>15</b>             |           | 0234            | 1.4F       | <b>27</b>   | 0207      | 0506            | 1.4E       |      |
| F                       | 0715      | 1025            | 1.7E       | W                     | 0548      | 0859            | 1.6E       | M           | 0809      | 1126            | 1.4F       |      |
|                         | 1328      | 1641            | 1.7F       |                       | 1155      | 1457            | 1.6F       |             | 1432      | 1746            | 1.6E       |      |
|                         | 1954      | 2305            | 1.9E       |                       | 1825      | 2144            | 1.9E       |             | 2111      |                 |            |      |
| <b>4</b>                | 0213      | 0508            | 1.5F       | <b>16</b>             |           | 0054            | 0341       | 1.4F        | <b>28</b> |                 | 0008       | 1.2F |
| Sa                      | 0806      | 1118            | 1.9E       | Th                    | 0655      | 1005            | 1.7E       | Tu          | 0253      | 0557            | 1.4E       |      |
|                         | 1419      | 1729            | 1.9F       |                       | 1303      | 1604            | 1.6F       |             | 0901      | 1217            | 1.4F       |      |
|                         | 2041      | 2351            | 2.1E       |                       | 1924      | 2241            | 2.0E       |             | 1524      | 1841            | 1.5E       |      |
|                         |           |                 |            |                       |           |                 |            |             | 2202      |                 |            |      |
| <b>5</b>                | 0255      | 0551            | 1.8F       | <b>17</b>             |           | 0150            | 0441       | 1.6F        | <b>29</b> |                 | 0058       | 1.1F |
| Su                      | 0854      | 1208            | 2.1E       | F                     | 0752      | 1102            | 1.9E       | W           | 0346      | 0654            | 1.4E       |      |
|                         | 1509      | 1813            | 2.0F       |                       | 1401      | 1700            | 1.8F       |             | 0958      | 1313            | 1.4F       |      |
|                         | 2125      |                 |            |                       | 2016      | 2332            | 2.1E       |             | 1623      | 1940            | 1.5E       |      |
|                         |           |                 |            |                       |           |                 |            |             | 2256      |                 |            |      |
| <b>6</b>                |           | 0034            | 2.2E       | <b>18</b>             |           | 0239            | 0531       | 1.7F        | <b>30</b> |                 | 0153       | 1.2F |
| M                       | 0335      | 0633            | 2.0F       | Sa                    | 0843      | 1153            | 2.0E       | Th          | 0445      | 0755            | 1.5E       |      |
|                         | 0942      | 1256            | 2.3E       |                       | 1452      | 1747            | 1.9F       |             | 1059      | 1413            | 1.4F       |      |
|                         | 1558      | 1858            | 2.1F       |                       | 2101      |                 |            |             | 1725      | 2038            | 1.6E       |      |
|                         | 2209      |                 |            |                       |           |                 |            |             | 2351      |                 |            |      |
| <b>7</b>                |           | 0118            | 2.3E       | <b>19</b>             |           | 0017            | 2.1E       | <b>31</b>   |           | 0248            | 1.3F       |      |
| Tu                      | 0416      | 0715            | 2.1F       | Su                    | 0322      | 0613            | 1.8F       | F           | 0546      | 0856            | 1.6E       |      |
|                         | 1029      | 1345            | 2.4E       |                       | 0927      | 1239            | 2.1E       |             | 1200      | 1512            | 1.6F       |      |
|                         | 1648      | 1944            | 2.1F       |                       | 1538      | 1829            | 1.9F       |             | 1823      | 2134            | 1.8E       |      |
|                         | 2253      |                 |            |                       | 2143      |                 |            |             |           |                 |            |      |
| <b>8</b>                |           | 0202            | 2.3E       | <b>20</b>             |           | 0057            | 2.1E       |             |           |                 |            |      |
| W                       | 0457      | 0800            | 2.2F       | M                     | 0359      | 0650            | 1.9F       |             |           |                 |            |      |
|                         | 1118      | 1434            | 2.5E       |                       | 1007      | 1321            | 2.1E       |             |           |                 |            |      |
|                         | 1740      | 2034            | 2.0F       |                       | 1621      | 1909            | 1.9F       |             |           |                 |            |      |
|                         | 2340      |                 |            |                       | 2221      |                 |            |             |           |                 |            |      |
| <b>9</b>                |           | 0248            | 2.3E       | <b>21</b>             |           | 0133            | 2.0E       |             |           |                 |            |      |
| Th                      | 0542      | 0848            | 2.3F       | Tu                    | 0432      | 0727            | 1.9F       |             |           |                 |            |      |
|                         | 1208      | 1525            | 2.4E       |                       | 1044      | 1359            | 2.1E       |             |           |                 |            |      |
|                         | 1834      | 2127            | 1.8F       |                       | 1702      | 1949            | 1.8F       |             |           |                 |            |      |
|                         |           |                 |            |                       | 2258      |                 |            |             |           |                 |            |      |
| <b>10</b>               | 0029      | 0336            | 2.1E       | <b>22</b>             |           | 0206            | 1.9E       |             |           |                 |            |      |
| F                       | 0630      | 0939            | 2.2F       | W                     | 0503      | 0803            | 1.8F       |             |           |                 |            |      |
|                         | 1301      | 1618            | 2.3E       |                       | 1119      | 1435            | 2.0E       |             |           |                 |            |      |
|                         | 1931      | 2222            | 1.7F       |                       | 1742      | 2030            | 1.6F       |             |           |                 |            |      |
|                         |           |                 |            |                       | 2334      |                 |            |             |           |                 |            |      |
| <b>11</b>               | 0122      | 0428            | 2.0E       | <b>23</b>             |           | 0237            | 1.8E       |             |           |                 |            |      |
| Sa                      | 0723      | 1034            | 2.1F       | Th                    | 0534      | 0840            | 1.8F       |             |           |                 |            |      |
|                         | 1357      | 1715            | 2.1E       |                       | 1153      | 1509            | 1.9E       |             |           |                 |            |      |
|                         | 2032      | 2320            | 1.6F       |                       | 1822      | 2112            | 1.5F       |             |           |                 |            |      |
|                         |           |                 |            |                       |           |                 |            |             |           |                 |            |      |
| <b>12</b>               | 0220      | 0526            | 1.8E       | <b>24</b>             |           | 0010            | 0308       | 1.7E        |           |                 |            |      |
| Su                      | 0823      | 1134            | 1.9F       | F                     | 0606      | 0918            | 1.7F       |             |           |                 |            |      |
|                         | 1458      | 1820            | 2.0E       |                       | 1229      | 1543            | 1.9E       |             |           |                 |            |      |
|                         | 2136      |                 |            |                       | 1902      | 2154            | 1.4F       |             |           |                 |            |      |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# BREAKWATER HARBOR, DELAWARE

**NOVEMBER 2025**

**STATION ID 8557380**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0527    | 4.0    | 122 | <b>13</b> | 0314    | 3.7    | 113 | <b>25</b> | 0458    | 0.7    | 21  |
|           | 1122    | 0.7    | 21  |           | 0859    | 0.8    | 24  |           | 1137    | 4.3    | 131 |
|           | Sa 1747 | 4.4    | 134 |           | Th 1532 | 4.2    | 128 |           | Tu 1802 | 0.6    | 18  |
|           | 2353    | 0.4    | 12  |           | 2153    | 0.5    | 15  |           |         |        |     |
| <b>2</b>  | 0518    | 4.4    | 134 | <b>14</b> | 0416    | 3.9    | 119 | <b>26</b> | 0006    | 3.2    | 98  |
|           | 1121    | 0.4    | 12  |           | 1007    | 0.8    | 24  |           | 0550    | 0.7    | 21  |
|           | Su 1739 | 4.5    | 137 |           | F 1632  | 4.0    | 122 |           | W 1224  | 4.2    | 128 |
|           | 2341    | 0.1    | 3   |           | 2243    | 0.5    | 15  |           | 1850    | 0.6    | 18  |
| <b>3</b>  | 0607    | 4.9    | 149 | <b>15</b> | 0507    | 4.1    | 125 | <b>27</b> | 0057    | 3.2    | 98  |
|           | 1217    | 0.1    | 3   |           | 1107    | 0.7    | 21  |           | 0647    | 0.7    | 21  |
|           | M 1830  | 4.5    | 137 |           | Sa 1722 | 3.9    | 119 |           | Th 1314 | 4.1    | 125 |
|           |         |        |     |           | 2326    | 0.5    | 15  |           | 1939    | 0.5    | 15  |
| <b>4</b>  | 0028    | -0.2   | -6  | <b>16</b> | 0551    | 4.3    | 131 | <b>28</b> | 0152    | 3.4    | 104 |
|           | 0655    | 5.3    | 162 |           | 1159    | 0.6    | 18  |           | 0747    | 0.7    | 21  |
|           | Tu 1311 | -0.2   | -6  |           | Su 1806 | 3.8    | 116 |           | F 1410  | 4.0    | 122 |
|           | 1921    | 4.5    | 137 |           |         |        |     |           | ☉ 2030  | 0.4    | 12  |
| <b>5</b>  | 0115    | -0.3   | -9  | <b>17</b> | 0005    | 0.4    | 12  | <b>29</b> | 0252    | 3.7    | 113 |
|           | 0744    | 5.6    | 171 |           | 0631    | 4.4    | 134 |           | 0851    | 0.6    | 18  |
|           | W 1403  | -0.3   | -9  |           | M 1246  | 0.5    | 15  |           | Sa 1510 | 3.9    | 119 |
|           | ○ 2012  | 4.4    | 134 |           | 1847    | 3.7    | 113 |           | 2122    | 0.2    | 6   |
| <b>6</b>  | 0202    | -0.4   | -12 | <b>18</b> | 0042    | 0.4    | 12  | <b>30</b> | 0352    | 4.0    | 122 |
|           | 0834    | 5.7    | 174 |           | 0709    | 4.6    | 140 |           | 0956    | 0.4    | 12  |
|           | Th 1455 | -0.4   | -12 |           | Tu 1327 | 0.4    | 12  |           | Su 1611 | 3.9    | 119 |
|           | 2104    | 4.3    | 131 |           | 1926    | 3.7    | 113 |           | 2214    | 0.0    | 0   |
| <b>7</b>  | 0250    | -0.4   | -12 | <b>19</b> | 0117    | 0.3    | 9   |           |         |        |     |
|           | 0925    | 5.7    | 174 |           | 0745    | 4.7    | 143 |           |         |        |     |
|           | F 1547  | -0.3   | -9  |           | W 1405  | 0.3    | 9   |           |         |        |     |
|           | 2157    | 4.1    | 125 |           | 2004    | 3.6    | 110 |           |         |        |     |
| <b>8</b>  | 0339    | -0.2   | -6  | <b>20</b> | 0151    | 0.3    | 9   |           |         |        |     |
|           | 1019    | 5.6    | 171 |           | 0820    | 4.7    | 143 |           |         |        |     |
|           | Sa 1644 | -0.1   | -3  |           | Th 1441 | 0.3    | 9   |           |         |        |     |
|           | 2254    | 3.9    | 119 |           | ● 2041  | 3.5    | 107 |           |         |        |     |
| <b>9</b>  | 0433    | 0.0    | 0   | <b>21</b> | 0224    | 0.4    | 12  |           |         |        |     |
|           | 1116    | 5.3    | 162 |           | 0856    | 4.7    | 143 |           |         |        |     |
|           | Su 1745 | 0.2    | 6   |           | F 1517  | 0.4    | 12  |           |         |        |     |
|           | 2354    | 3.7    | 113 |           | 2118    | 3.4    | 104 |           |         |        |     |
| <b>10</b> | 0533    | 0.3    | 9   | <b>22</b> | 0259    | 0.4    | 12  |           |         |        |     |
|           | 1216    | 5.0    | 152 |           | 0933    | 4.7    | 143 |           |         |        |     |
|           | M 1849  | 0.4    | 12  |           | Sa 1553 | 0.4    | 12  |           |         |        |     |
|           |         |        |     |           | 2156    | 3.3    | 101 |           |         |        |     |
| <b>11</b> | 0058    | 3.6    | 110 | <b>23</b> | 0335    | 0.5    | 15  |           |         |        |     |
|           | 0639    | 0.5    | 15  |           | 1012    | 4.6    | 140 |           |         |        |     |
|           | Tu 1319 | 4.7    | 143 |           | Su 1633 | 0.5    | 15  |           |         |        |     |
|           | 1954    | 0.5    | 15  |           | 2236    | 3.2    | 98  |           |         |        |     |
| <b>12</b> | 0205    | 3.6    | 110 | <b>24</b> | 0414    | 0.6    | 18  |           |         |        |     |
|           | 0748    | 0.7    | 21  |           | 1053    | 4.5    | 137 |           |         |        |     |
|           | W 1426  | 4.4    | 134 |           | M 1716  | 0.6    | 18  |           |         |        |     |
|           | ○ 2056  | 0.5    | 15  |           | 2320    | 3.2    | 98  |           |         |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### EASTERN STANDARD TIME/ DAYLIGHT SAVING TIME

**Times ARE adjusted  
for DST until  
November 2.**



# DELAWARE BAY ENTRANCE (LB10)

**NOVEMBER 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |                                                                                  |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|----------------------------------------------------------------------------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water                                                                      |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day                                                                              | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Sa          | 0043      | 0342            | 1.5F       | <b>13</b><br>Th       | 0109      | 0427            | 1.4F       | <b>25</b><br>Tu                                                                  | 0042      | 0341            | 1.6E       |
|                         | 0645      | 0955            | 1.8E       |                       | 0739      | 1036            | 1.6E       |                                                                                  | 0642      | 0958            | 1.6F       |
|                         | 1300      | 1608            | 1.7F       |                       | 1332      | 1654            | 1.5F       |                                                                                  | 1305      | 1617            | 1.8E       |
|                         | 1917      | 2227            | 1.9E       |                       | 2014      | 2323            | 1.8E       |                                                                                  | 1938      | 2237            | 1.3F       |
| <b>2</b><br>Su          | 0131      | 0333            | 1.7F       | <b>14</b><br>F        | 0213      | 0531            | 1.5F       | <b>26</b><br>W                                                                   | 0127      | 0430            | 1.6E       |
|                         | 0638      | 0952            | 2.0E       |                       | 0842      | 1142            | 1.7E       |                                                                                  | 0733      | 1047            | 1.6F       |
|                         | 1257      | 1600            | 1.9F       |                       | 1435      | 1752            | 1.5F       |                                                                                  | 1353      | 1708            | 1.7E       |
|                         | 1907      | 2216            | 2.1E       |                       | 2110      | 2110            | 1.9E       |                                                                                  | 2026      | 2324            | 1.3F       |
| <b>3</b><br>M           | 0116      | 0419            | 2.0F       | <b>15</b><br>Sa       | 0312      | 0017            | 1.6F       | <b>27</b><br>Th                                                                  | 0218      | 0525            | 1.6E       |
|                         | 0728      | 1045            | 2.3E       |                       | 0628      | 0928            | 1.8E       |                                                                                  | 0828      | 1140            | 1.6F       |
|                         | 1351      | 1648            | 2.0F       |                       | 1242      | 1533            | 1.6F       |                                                                                  | 1446      | 1803            | 1.8E       |
|                         | 1955      | 2303            | 2.2E       |                       | 1844      | 2200            | 1.9E       |                                                                                  | 2117      |                 |            |
| <b>4</b><br>Tu          | 0159      | 0503            | 2.2F       | <b>16</b><br>Su       | 0401      | 0105            | 1.7F       | <b>28</b><br>F                                                                   | 0016      | 0016            | 1.4F       |
|                         | 0817      | 1136            | 2.5E       |                       | 0718      | 0718            | 1.9E       |                                                                                  | 0314      | 0625            | 1.6E       |
|                         | 1443      | 1736            | 2.0F       |                       | 1334      | 1622            | 1.7F       |                                                                                  | 0927      | 1237            | 1.6F       |
|                         | 2042      | 2350            | 2.2E       |                       | 1930      | 2245            | 1.9E       |                                                                                  | 1544      | 1900            | 1.8E       |
| <b>5</b><br>W           | 0243      | 0547            | 2.3F       | <b>17</b><br>M        | 0444      | 0146            | 1.9F       | <b>29</b><br>Sa                                                                  | 0110      | 0110            | 1.5F       |
|                         | 0906      | 1226            | 2.5E       |                       | 0801      | 0801            | 2.0E       |                                                                                  | 0415      | 0727            | 1.7E       |
|                         | 1535      | 1824            | 2.0F       |                       | 1422      | 1706            | 1.7F       |                                                                                  | 1031      | 1336            | 1.6F       |
|                         | 2130      |                 |            |                       | 2013      | 2325            | 1.9E       |                                                                                  | 1643      | 1956            | 1.9E       |
| <b>6</b><br>Th          | 0327      | 0633            | 2.2E       | <b>18</b><br>Tu       | 0522      | 0224            | 1.9F       | <b>30</b><br>Su                                                                  | 0205      | 0205            | 1.7F       |
|                         | 0956      | 1317            | 2.4F       |                       | 0841      | 0841            | 2.1E       |                                                                                  | 0515      | 0828            | 1.9E       |
|                         | 1627      | 1915            | 2.5E       |                       | 1506      | 1747            | 1.7F       |                                                                                  | 1135      | 1436            | 1.7F       |
|                         | 2219      |                 |            |                       | 2053      |                 |            |                                                                                  | 1741      | 2051            | 2.0E       |
| <b>7</b><br>F           | 0415      | 0126            | 2.1E       | <b>19</b><br>W        | 0558      | 0257            | 1.8E       | <b>Time meridian 75° W.</b><br><b>0000 is midnight.</b><br><b>1200 is noon.</b>  |           |                 |            |
|                         | 1047      | 0723            | 2.3F       |                       | 0917      | 0917            | 1.9F       |                                                                                  |           |                 |            |
|                         | 1720      | 1408            | 2.5E       |                       | 1546      | 1237            | 2.1E       |                                                                                  |           |                 |            |
|                         | 2312      | 2009            | 1.7F       |                       | 2132      | 1827            | 1.6F       |                                                                                  |           |                 |            |
| <b>8</b><br>Sa          | 0507      | 0217            | 2.0E       | <b>20</b><br>Th       | 0634      | 0330            | 1.7E       | <b>EASTERN</b><br><b>STANDARD TIME/</b><br><b>DAYLIGHT</b><br><b>SAVING TIME</b> |           |                 |            |
|                         | 1141      | 0817            | 2.1F       |                       | 0953      | 0634            | 1.8F       |                                                                                  |           |                 |            |
|                         | 1816      | 1501            | 2.3E       |                       | 1624      | 1312            | 2.0E       |                                                                                  |           |                 |            |
|                         |           | 2105            | 1.6F       |                       | 2209      | 1907            | 1.5F       |                                                                                  |           |                 |            |
| <b>9</b><br>Su          | 0007      | 0311            | 1.9E       | <b>21</b><br>F        | 0712      | 0402            | 1.7E       | <b>Times ARE adjusted</b><br><b>for DST until</b><br><b>November 2.</b>          |           |                 |            |
|                         | 0604      | 0915            | 2.0F       |                       | 1027      | 0712            | 1.8F       |                                                                                  |           |                 |            |
|                         | 1238      | 1558            | 2.1E       |                       | 1700      | 1345            | 2.0E       |                                                                                  |           |                 |            |
|                         | 1915      | 2202            | 1.5F       |                       | 2245      | 1948            | 1.4F       |                                                                                  |           |                 |            |
| <b>10</b><br>M          | 0106      | 0410            | 1.7E       | <b>22</b><br>Sa       | 0142      | 0437            | 1.6E       |                                                                                  |           |                 |            |
|                         | 0707      | 1016            | 1.8F       |                       | 0750      | 1103            | 1.7F       |                                                                                  |           |                 |            |
|                         | 1339      | 1701            | 1.9E       |                       | 1418      | 1736            | 1.9E       |                                                                                  |           |                 |            |
|                         | 2016      | 2303            | 1.4F       |                       | 2029      | 2322            | 1.4F       |                                                                                  |           |                 |            |
| <b>11</b><br>Tu         | 0209      | 0518            | 1.6E       | <b>23</b><br>Su       | 0219      | 0514            | 1.6E       |                                                                                  |           |                 |            |
|                         | 0815      | 1120            | 1.6F       |                       | 0831      | 1140            | 1.6F       |                                                                                  |           |                 |            |
|                         | 1443      | 1808            | 1.8E       |                       | 1454      | 1814            | 1.8E       |                                                                                  |           |                 |            |
|                         | 2119      |                 |            |                       | 2110      |                 | 1.4F       |                                                                                  |           |                 |            |
| <b>12</b><br>W          | 0317      | 0005            | 1.4F       | <b>24</b><br>M        | 0258      | 0001            | 1.6E       |                                                                                  |           |                 |            |
|                         | 0926      | 0630            | 1.6E       |                       | 0556      | 0556            | 1.6F       |                                                                                  |           |                 |            |
|                         | 1549      | 1226            | 1.5F       |                       | 1221      | 1533            | 1.8E       |                                                                                  |           |                 |            |
|                         | 2222      | 1914            | 1.8E       |                       | 1854      | 2152            | 1.3F       |                                                                                  |           |                 |            |

# BREAKWATER HARBOR, DELAWARE

**DECEMBER 2025**

**STATION ID 8557380**

| Times and Heights of High and Low Waters |      |        |     |           |      |        |     |           |      |      |     |
|------------------------------------------|------|--------|-----|-----------|------|--------|-----|-----------|------|------|-----|
|                                          |      | Height |     |           |      | Height |     |           |      |      |     |
| Time                                     | Day  | ft.    | cm  | Time      | Day  | ft.    | cm  | Time      | Day  |      |     |
| h.m.                                     |      |        |     | h.m.      |      |        |     | h.m.      |      |      |     |
| <b>1</b>                                 | 0448 | 4.4    | 134 | <b>13</b> | 0336 | 3.6    | 110 | <b>25</b> | 0528 | 0.2  | 6   |
|                                          | 1058 | 0.1    | 3   |           | 0936 | 0.6    | 18  |           | 1157 | 4.1  | 125 |
| M                                        | 1709 | 3.9    | 119 | Sa        | 1549 | 3.4    | 104 | Th        | 1815 | 0.0  | 0   |
|                                          | 2306 | -0.2   | -6  |           | 2156 | 0.3    | 9   |           |      |      |     |
| <b>2</b>                                 | 0541 | 4.9    | 149 | <b>14</b> | 0429 | 3.8    | 116 | <b>26</b> | 0028 | 3.4  | 104 |
|                                          | 1158 | -0.1   | -3  |           | 1038 | 0.6    | 18  |           | 0623 | 0.3  | 9   |
| Tu                                       | 1804 | 3.9    | 119 | Su        | 1643 | 3.2    | 98  | F         | 1243 | 3.9  | 119 |
|                                          | 2357 | -0.4   | -12 |           | 2241 | 0.3    | 9   |           | 1902 | 0.0  | 0   |
| <b>3</b>                                 | 0633 | 5.2    | 158 | <b>15</b> | 0516 | 3.9    | 119 | <b>27</b> | 0119 | 3.5  | 107 |
|                                          | 1256 | -0.4   | -12 |           | 1133 | 0.5    | 15  |           | 0722 | 0.3  | 9   |
| W                                        | 1900 | 3.9    | 119 | M         | 1731 | 3.2    | 98  | Sa        | 1335 | 3.7  | 113 |
|                                          |      |        |     |           | 2324 | 0.3    | 9   | ●         | 1951 | -0.1 | -3  |
| <b>4</b>                                 | 0049 | -0.6   | -18 | <b>16</b> | 0559 | 4.1    | 125 | <b>28</b> | 0216 | 3.8  | 116 |
|                                          | 0726 | 5.4    | 165 |           | 1223 | 0.4    | 12  |           | 0825 | 0.3  | 9   |
| Th                                       | 1351 | -0.5   | -15 | Tu        | 1816 | 3.1    | 94  | Su        | 1434 | 3.5  | 107 |
| ○                                        | 1955 | 3.9    | 119 |           |      |        |     |           | 2044 | -0.2 | -6  |
| <b>5</b>                                 | 0141 | -0.6   | -18 | <b>17</b> | 0005 | 0.3    | 9   | <b>29</b> | 0318 | 4.0  | 122 |
|                                          | 0819 | 5.5    | 168 |           | 0639 | 4.2    | 128 |           | 0932 | 0.2  | 6   |
| F                                        | 1444 | -0.6   | -18 | W         | 1307 | 0.3    | 9   | M         | 1539 | 3.3  | 101 |
|                                          | 2049 | 3.8    | 116 |           | 1859 | 3.1    | 94  |           | 2139 | -0.3 | -9  |
| <b>6</b>                                 | 0232 | -0.6   | -18 | <b>18</b> | 0045 | 0.2    | 6   | <b>30</b> | 0421 | 4.3  | 131 |
|                                          | 0912 | 5.5    | 168 |           | 0719 | 4.4    | 134 |           | 1039 | 0.0  | 0   |
| Sa                                       | 1536 | -0.5   | -15 | Th        | 1347 | 0.2    | 6   | Tu        | 1645 | 3.3  | 101 |
|                                          | 2144 | 3.7    | 113 |           | 1940 | 3.1    | 94  |           | 2237 | -0.4 | -12 |
| <b>7</b>                                 | 0324 | -0.5   | -15 | <b>19</b> | 0123 | 0.1    | 3   | <b>31</b> | 0520 | 4.6  | 140 |
|                                          | 1006 | 5.3    | 162 |           | 0758 | 4.4    | 134 |           | 1144 | -0.2 | -6  |
| Su                                       | 1630 | -0.4   | -12 | F         | 1424 | 0.1    | 3   | W         | 1746 | 3.3  | 101 |
|                                          | 2239 | 3.6    | 110 |           | 2020 | 3.1    | 94  |           | 2333 | -0.5 | -15 |
| <b>8</b>                                 | 0418 | -0.3   | -9  | <b>20</b> | 0200 | 0.1    | 3   |           |      |      |     |
|                                          | 1101 | 5.0    | 152 |           | 0837 | 4.5    | 137 |           |      |      |     |
| M                                        | 1726 | -0.2   | -6  | Sa        | 1459 | 0.1    | 3   |           |      |      |     |
|                                          | 2337 | 3.6    | 110 | ●         | 2058 | 3.1    | 94  |           |      |      |     |
| <b>9</b>                                 | 0516 | 0.0    | 0   | <b>21</b> | 0237 | 0.1    | 3   |           |      |      |     |
|                                          | 1156 | 4.7    | 143 |           | 0915 | 4.5    | 137 |           |      |      |     |
| Tu                                       | 1824 | 0.0    | 0   | Su        | 1534 | 0.1    | 3   |           |      |      |     |
|                                          |      |        |     |           | 2136 | 3.1    | 94  |           |      |      |     |
| <b>10</b>                                | 0035 | 3.5    | 107 | <b>22</b> | 0315 | 0.1    | 3   |           |      |      |     |
|                                          | 0619 | 0.2    | 6   |           | 0953 | 4.4    | 134 |           |      |      |     |
| W                                        | 1252 | 4.3    | 131 | M         | 1610 | 0.1    | 3   |           |      |      |     |
|                                          | 1920 | 0.1    | 3   |           | 2216 | 3.1    | 94  |           |      |      |     |
| <b>11</b>                                | 0134 | 3.5    | 107 | <b>23</b> | 0354 | 0.1    | 3   |           |      |      |     |
|                                          | 0724 | 0.4    | 12  |           | 1032 | 4.4    | 134 |           |      |      |     |
| Th                                       | 1349 | 3.9    | 119 | Tu        | 1649 | 0.1    | 3   |           |      |      |     |
| ●                                        | 2014 | 0.2    | 6   |           | 2257 | 3.2    | 98  |           |      |      |     |
| <b>12</b>                                | 0235 | 3.5    | 107 | <b>24</b> | 0438 | 0.1    | 3   |           |      |      |     |
|                                          | 0830 | 0.6    | 18  |           | 1113 | 4.2    | 128 |           |      |      |     |
| F                                        | 1449 | 3.6    | 110 | W         | 1731 | 0.1    | 3   |           |      |      |     |
|                                          | 2107 | 0.3    | 9   |           | 2341 | 3.2    | 98  |           |      |      |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean  
 lower low water which is the  
 chart datum of soundings.

**EASTERN  
 STANDARD TIME**

# DELAWARE BAY ENTRANCE (LB10)

**DECEMBER 2025**

**db0502 (12 ft)**

| F-Flood, Dir. 341° True |           |                 |            | E-Ebb, Dir. 157° True |           |                 |            |             |           |                 |            |
|-------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water             |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                     | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>                |           | 0259            | 1.9F       | <b>13</b>             |           | 0133            | 1.5F       | <b>25</b>   | 0103      | 0406            | 1.8E       |
| M                       | 0612      | 0929            | 2.1E       | Sa                    | 0457      | 0811            | 1.6E       | Th          | 0708      | 1019            | 1.8F       |
|                         | 1237      | 1533            | 1.7F       |                       | 1112      | 1357            | 1.4F       |             | 1325      | 1638            | 2.0E       |
|                         | 1836      | 2145            | 2.0E       |                       | 1709      | 2029            | 1.7E       |             | 1952      | 2252            | 1.6F       |
|                         |           |                 |            |                       | 2334      |                 |            |             |           |                 |            |
| <b>2</b>                | 0041      | 0350            | 2.1F       | <b>14</b>             |           | 0231            | 1.5F       | <b>26</b>   | 0151      | 0459            | 1.8E       |
| Tu                      | 0706      | 1026            | 2.3E       | Su                    | 0554      | 0909            | 1.7E       | F           | 0801      | 1110            | 1.7F       |
|                         | 1336      | 1627            | 1.8F       |                       | 1216      | 1458            | 1.4F       |             | 1414      | 1730            | 2.0E       |
|                         | 1929      | 2237            | 2.1E       |                       | 1804      | 2121            | 1.6E       |             | 2040      | 2341            | 1.6F       |
| <b>3</b>                | 0129      | 0438            | 2.3F       | <b>15</b>             | 0023      | 0324            | 1.6F       | <b>27</b>   | 0245      | 0557            | 1.8E       |
| W                       | 0758      | 1120            | 2.5E       | M                     | 0646      | 1003            | 1.8E       | Sa          | 0901      | 1205            | 1.7F       |
|                         | 1431      | 1718            | 1.8F       |                       | 1313      | 1553            | 1.4F       |             | 1508      | 1824            | 1.9E       |
|                         | 2021      | 2328            | 2.1E       |                       | 1856      | 2209            | 1.6E       |             | 2130      |                 |            |
| <b>4</b>                | 0217      | 0525            | 2.4F       | <b>16</b>             | 0107      | 0411            | 1.7F       | <b>28</b>   |           | 0034            | 1.7F       |
| Th                      | 0849      | 1212            | 2.5E       | Tu                    | 0732      | 1052            | 1.9E       | Su          | 0345      | 0659            | 1.9E       |
|                         | 1524      | 1808            | 1.8F       |                       | 1404      | 1641            | 1.4F       |             | 1006      | 1305            | 1.6F       |
|                         | 2113      |                 |            |                       | 1942      | 2252            | 1.6E       |             | 1607      | 1921            | 1.9E       |
|                         |           |                 |            |                       |           |                 |            |             | 2223      |                 |            |
| <b>5</b>                |           | 0019            | 2.1E       | <b>17</b>             | 0148      | 0453            | 1.8F       | <b>29</b>   |           | 0129            | 1.8F       |
| F                       | 0306      | 0614            | 2.3F       | W                     | 0813      | 1135            | 2.0E       | M           | 0447      | 0804            | 1.9E       |
|                         | 0941      | 1304            | 2.5E       |                       | 1448      | 1725            | 1.5F       |             | 1114      | 1408            | 1.6F       |
|                         | 1615      | 1859            | 1.8F       |                       | 2026      | 2332            | 1.6E       |             | 1709      | 2020            | 1.9E       |
|                         | 2205      |                 |            |                       |           |                 |            |             | 2317      |                 |            |
| <b>6</b>                |           | 0110            | 2.0E       | <b>18</b>             | 0226      | 0532            | 1.8F       | <b>30</b>   |           | 0227            | 1.9F       |
| Sa                      | 0358      | 0706            | 2.2F       | Th                    | 0853      | 1214            | 2.0E       | Tu          | 0549      | 0909            | 2.1E       |
|                         | 1034      | 1356            | 2.4E       |                       | 1528      | 1805            | 1.5F       |             | 1221      | 1511            | 1.6F       |
|                         | 1707      | 1953            | 1.7F       |                       | 2106      |                 |            |             | 1811      | 2119            | 1.9E       |
|                         | 2258      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>7</b>                |           | 0203            | 1.9E       | <b>19</b>             |           | 0009            | 1.6E       | <b>31</b>   | 0012      | 0325            | 2.1F       |
| Su                      | 0452      | 0802            | 2.1F       | F                     | 0303      | 0610            | 1.8F       | W           | 0648      | 1011            | 2.2E       |
|                         | 1127      | 1447            | 2.3E       |                       | 0930      | 1250            | 2.0E       |             | 1324      | 1610            | 1.6F       |
|                         | 1800      | 2048            | 1.6F       |                       | 1603      | 1845            | 1.4F       |             | 1911      | 2218            | 1.9E       |
|                         | 2353      |                 |            |                       | 2144      |                 |            |             |           |                 |            |
| <b>8</b>                |           | 0257            | 1.9E       | <b>20</b>             |           | 0044            | 1.6E       |             |           |                 |            |
| M                       | 0549      | 0859            | 1.9F       | Sa                    | 0339      | 0649            | 1.8F       |             |           |                 |            |
|                         | 1222      | 1540            | 2.1E       |                       | 1007      | 1323            | 2.0E       |             |           |                 |            |
|                         | 1855      | 2143            | 1.6F       |                       | 1637      | 1924            | 1.4F       |             |           |                 |            |
|                         |           |                 |            |                       | 2222      |                 |            |             |           |                 |            |
| <b>9</b>                | 0049      | 0354            | 1.7E       | <b>21</b>             |           | 0120            | 1.7E       |             |           |                 |            |
| Tu                      | 0650      | 0957            | 1.8F       | Su                    | 0415      | 0728            | 1.7F       |             |           |                 |            |
|                         | 1317      | 1637            | 1.9E       |                       | 1043      | 1357            | 1.9E       |             |           |                 |            |
|                         | 1951      | 2239            | 1.5F       |                       | 1711      | 2004            | 1.4F       |             |           |                 |            |
|                         |           |                 |            |                       | 2259      |                 |            |             |           |                 |            |
| <b>10</b>               | 0148      | 0455            | 1.6E       | <b>22</b>             |           | 0158            | 1.7E       |             |           |                 |            |
| W                       | 0753      | 1056            | 1.6F       | M                     | 0454      | 0809            | 1.7F       |             |           |                 |            |
|                         | 1413      | 1737            | 1.8E       |                       | 1120      | 1432            | 1.9E       |             |           |                 |            |
|                         | 2048      | 2336            | 1.5F       |                       | 1746      | 2044            | 1.4F       |             |           |                 |            |
|                         |           |                 |            |                       | 2338      |                 |            |             |           |                 |            |
| <b>11</b>               | 0249      | 0602            | 1.6E       | <b>23</b>             |           | 0237            | 1.7E       |             |           |                 |            |
| Th                      | 0859      | 1155            | 1.5F       | Tu                    | 0535      | 0850            | 1.7F       |             |           |                 |            |
|                         | 1511      | 1837            | 1.7E       |                       | 1159      | 1510            | 2.0E       |             |           |                 |            |
|                         | 2145      |                 |            |                       | 1825      | 2124            | 1.5F       |             |           |                 |            |
| <b>12</b>               |           | 0035            | 1.4F       | <b>24</b>             | 0019      | 0320            | 1.8E       |             |           |                 |            |
| F                       | 0354      | 0708            | 1.5E       | W                     | 0619      | 0934            | 1.8F       |             |           |                 |            |
|                         | 1006      | 1256            | 1.4F       |                       | 1241      | 1552            | 2.0E       |             |           |                 |            |
|                         | 1610      | 1934            | 1.7E       |                       | 1907      | 2207            | 1.5F       |             |           |                 |            |
|                         | 2241      |                 |            |                       |           |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**



**2025**

**TIDES AND CURRENTS**

**REEDY POINT, DELAWARE**

**AND**

**CHESAPEAKE AND**

**DELAWARE CANAL**

**(Chesapeake City, MD)**

# REEDY POINT, DELAWARE

**JANUARY 2025**

**STATION ID 8551910**

| Times and Heights of High and Low Waters |      |      |        |                      |      |      |      |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|------------------------------------------|------|------|--------|----------------------|------|------|------|-------------------------|------|------|------|------|--------|-----|------|------|-----|------|-----|-----|
| Day                                      | Time |      | Height |                      | Day  | Time |      | Height                  |      | Day  | Time |      | Height |     |      |      |     |      |     |     |
|                                          | h.m. | ft.  | cm     | ft.                  |      | cm   | h.m. | ft.                     | cm   |      | h.m. | ft.  | cm     |     |      |      |     |      |     |     |
| <b>1</b><br>W                            | 0605 | -0.3 | -9     | <b>13</b><br>M<br>O  | 0433 | -0.3 | -9   | <b>25</b><br>Sa<br>2015 | 0132 | 0.0  | 0    | 0742 | 4.9    | 149 | 1434 | 0.1  | 3   |      |     |     |
|                                          | 1147 | 5.5  | 168    |                      | 1024 | 5.5  | 168  |                         | 2015 | 4.1  | 125  |      |        |     |      |      |     |      |     |     |
|                                          | 1859 | -0.2 | -6     |                      | 1728 | -0.4 | -12  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>2</b><br>Th                           | 0017 | 4.5  | 137    | <b>14</b><br>Tu      | 0524 | -0.3 | -9   | <b>26</b><br>Su         | 0227 | -0.1 | -3   | 0832 | 5.0    | 152 | 1528 | -0.1 | -3  | 2104 | 4.2 | 128 |
|                                          | 0650 | -0.3 | -9     |                      | 1112 | 5.4  | 165  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1229 | 5.5  | 168    |                      | 1815 | -0.4 | -12  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1942 | -0.2 | -6     |                      | 2341 | 4.6  | 140  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>3</b><br>F                            | 0059 | 4.6  | 140    | <b>15</b><br>W       | 0611 | -0.3 | -9   | <b>27</b><br>M          | 0320 | -0.2 | -6   | 0919 | 5.2    | 158 | 1618 | -0.2 | -6  | 2149 | 4.3 | 131 |
|                                          | 0737 | -0.3 | -9     |                      | 1158 | 5.3  | 162  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1315 | 5.5  | 168    |                      | 1859 | -0.3 | -9   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2026 | -0.2 | -6     |                      |      |      |      |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>4</b><br>Sa                           | 0145 | 4.7  | 143    | <b>16</b><br>Th      | 0027 | 4.6  | 140  | <b>28</b><br>Tu         | 0411 | -0.3 | -9   | 1004 | 5.3    | 162 | 1706 | -0.3 | -9  | 2232 | 4.5 | 137 |
|                                          | 0827 | -0.3 | -9     |                      | 0656 | -0.2 | -6   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1404 | 5.4  | 165    |                      | 1242 | 5.2  | 158  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2111 | -0.2 | -6     |                      | 1940 | -0.3 | -9   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>5</b><br>Su                           | 0236 | 4.8  | 146    | <b>17</b><br>F       | 0112 | 4.5  | 137  | <b>29</b><br>W<br>●     | 0501 | -0.5 | -15  | 1047 | 5.5    | 168 | 1751 | -0.4 | -12 | 2314 | 4.7 | 143 |
|                                          | 0923 | -0.2 | -6     |                      | 0740 | -0.1 | -3   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1458 | 5.2  | 158    |                      | 1326 | 5.1  | 155  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2159 | -0.2 | -6     |                      | 2020 | -0.2 | -6   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>6</b><br>M<br>●                       | 0331 | 4.9  | 149    | <b>18</b><br>Sa      | 0157 | 4.5  | 137  | <b>30</b><br>Th         | 0549 | -0.6 | -18  | 1130 | 5.5    | 168 | 1834 | -0.5 | -15 | 2356 | 4.8 | 146 |
|                                          | 1024 | -0.1 | -3     |                      | 0823 | 0.0  | 0    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1556 | 5.0  | 152    |                      | 1410 | 4.9  | 149  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2251 | -0.2 | -6     |                      | 2059 | -0.2 | -6   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>7</b><br>Tu                           | 0431 | 5.0  | 152    | <b>19</b><br>Su      | 0241 | 4.5  | 137  | <b>31</b><br>F          | 0637 | -0.6 | -18  | 1215 | 5.6    | 171 | 1917 | -0.5 | -15 |      |     |     |
|                                          | 1128 | 0.0  | 0      |                      | 0907 | 0.1  | 3    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1659 | 4.8  | 146    |                      | 1455 | 4.8  | 146  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2347 | -0.2 | -6     |                      | 2137 | -0.1 | -3   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>8</b><br>W                            | 0533 | 5.1  | 155    | <b>20</b><br>M       | 0326 | 4.6  | 140  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1234 | 0.1  | 3      |                      | 0955 | 0.2  | 6    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1805 | 4.6  | 140    |                      | 1543 | 4.6  | 140  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          |      |      |        |                      | 2217 | -0.1 | -3   |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>9</b><br>Th                           | 0044 | -0.2 | -6     | <b>21</b><br>Tu<br>● | 0413 | 4.6  | 140  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 0637 | 5.2  | 158    |                      | 1047 | 0.2  | 6    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1339 | 0.0  | 0      |                      | 1634 | 4.4  | 134  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1909 | 4.5  | 137    |                      | 2300 | 0.0  | 0    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>10</b><br>F                           | 0144 | -0.2 | -6     | <b>22</b><br>W       | 0503 | 4.6  | 140  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 0739 | 5.3  | 162    |                      | 1142 | 0.2  | 6    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1442 | -0.1 | -3     |                      | 1729 | 4.2  | 128  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2011 | 4.5  | 137    |                      | 2347 | 0.0  | 0    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>11</b><br>Sa                          | 0242 | -0.2 | -6     | <b>23</b><br>Th      | 0556 | 4.7  | 143  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 0838 | 5.4  | 165    |                      | 1240 | 0.2  | 6    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1542 | -0.2 | -6     |                      | 1826 | 4.1  | 125  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2108 | 4.5  | 137    |                      |      |      |      |                         |      |      |      |      |        |     |      |      |     |      |     |     |
| <b>12</b><br>Su                          | 0339 | -0.2 | -6     | <b>24</b><br>F       | 0039 | 0.0  | 0    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 0932 | 5.5  | 168    |                      | 0649 | 4.8  | 146  |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 1637 | -0.3 | -9     |                      | 1338 | 0.2  | 6    |                         |      |      |      |      |        |     |      |      |     |      |     |     |
|                                          | 2202 | 4.5  | 137    |                      | 1922 | 4.1  | 125  |                         |      |      |      |      |        |     |      |      |     |      |     |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean  
 lower low water which is the  
 chart datum of soundings.

**EASTERN  
 STANDARD TIME**

# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**JANUARY 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                                                            |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|------------------------------------------------------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water                                                |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day                                                        | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>W          | 0450      | 0204            | 1.1E       | <b>13</b><br>M        | 0031      | 0031            | 1.0E       | <b>25</b><br>Sa                                            | 0253      | 0253            | 1.5F       |
|                        | 1026      | 0740            | 1.9F       |                       | 0314      | 0548            | 1.6F       |                                                            | 0545      | 0920            | 2.1E       |
|                        | 1753      | 1352            | 2.5E       |                       | 0844      | 1214            | 2.4E       |                                                            | 1337      | 1626            | 1.5F       |
|                        |           | 2040            | 2.0F       |                       | 1623      | 1937            | 2.1F       |                                                            | 2017      | 2218            | 0.8E       |
|                        |           |                 |            |                       | 2255      |                 |            |                                                            |           |                 |            |
| <b>2</b><br>Th         | 0019      | 0242            | 1.3E       | <b>14</b><br>Tu       | 0123      | 0123            | 1.2E       | <b>26</b><br>Su                                            | 0053      | 0350            | 1.5F       |
|                        | 0534      | 0828            | 2.0F       |                       | 0410      | 0641            | 1.7F       |                                                            | 0640      | 1014            | 2.2E       |
|                        | 1115      | 1435            | 2.5E       |                       | 0940      | 1304            | 2.3E       |                                                            | 1431      | 1724            | 1.7F       |
|                        | 1832      | 2119            | 2.0F       |                       | 1707      | 2015            | 2.1F       |                                                            | 2110      | 2316            | 0.8E       |
|                        |           |                 |            |                       | 2333      |                 |            |                                                            |           |                 |            |
| <b>3</b><br>F          | 0050      | 0320            | 1.4E       | <b>15</b><br>W        | 0207      | 0207            | 1.4E       | <b>27</b><br>M                                             | 0156      | 0446            | 1.6F       |
|                        | 0619      | 0917            | 2.0F       |                       | 0501      | 0732            | 1.7F       |                                                            | 0736      | 1107            | 2.3E       |
|                        | 1206      | 1520            | 2.4E       |                       | 1033      | 1349            | 2.2E       |                                                            | 1521      | 1810            | 1.8F       |
|                        | 1912      | 2159            | 2.0F       |                       | 1746      | 2046            | 2.1F       |                                                            | 2154      |                 |            |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>4</b><br>Sa         | 0121      | 0400            | 1.6E       | <b>16</b><br>Th       | 0245      | 0245            | 1.5E       | <b>28</b><br>Tu                                            | 0008      | 0008            | 1.0E       |
|                        | 0707      | 1006            | 2.1F       |                       | 0548      | 0820            | 1.7F       |                                                            | 0254      | 0539            | 1.7F       |
|                        | 1301      | 1609            | 2.2E       |                       | 1122      | 1430            | 2.1E       |                                                            | 0831      | 1157            | 2.4E       |
|                        | 1955      | 2242            | 1.9F       |                       | 1822      | 2115            | 2.0F       |                                                            | 1605      | 1852            | 1.9F       |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>5</b><br>Su         | 0153      | 0443            | 1.7E       | <b>17</b><br>F        | 0320      | 0320            | 1.6E       | <b>29</b><br>W                                             | 0053      | 0053            | 1.2E       |
|                        | 0759      | 1058            | 2.1F       |                       | 0633      | 0905            | 1.7F       |                                                            | 0345      | 0631            | 1.9F       |
|                        | 1400      | 1701            | 2.0E       |                       | 1209      | 1509            | 2.0E       |                                                            | 0925      | 1246            | 2.4E       |
|                        | 2039      | 2327            | 1.8F       |                       | 1857      | 2146            | 1.9F       |                                                            | 1647      | 1932            | 2.0F       |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>6</b><br>M          | 0227      | 0531            | 1.8E       | <b>18</b><br>Sa       | 0356      | 0356            | 1.7E       | <b>30</b><br>Th                                            | 0135      | 0135            | 1.4E       |
|                        | 0856      | 1154            | 2.0F       |                       | 0717      | 0950            | 1.7F       |                                                            | 0431      | 0721            | 2.0F       |
|                        | 1508      | 1759            | 1.7E       |                       | 1256      | 1551            | 1.8E       |                                                            | 1018      | 1333            | 2.4E       |
|                        | 2125      |                 |            |                       | 1931      | 2220            | 1.8F       |                                                            | 1728      | 2011            | 2.0F       |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>7</b><br>Tu         | 0014      | 0014            | 1.7F       | <b>19</b><br>Su       | 0433      | 0433            | 1.7E       | <b>31</b><br>F                                             | 0213      | 0213            | 1.6E       |
|                        | 0307      | 0623            | 2.0E       |                       | 0802      | 1036            | 1.7F       |                                                            | 0515      | 0810            | 2.2F       |
|                        | 1001      | 1254            | 1.9F       |                       | 1345      | 1635            | 1.6E       |                                                            | 1110      | 1420            | 2.4E       |
|                        | 1624      | 1901            | 1.4E       |                       | 2005      | 2258            | 1.8F       |                                                            | 1809      | 2051            | 2.0F       |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>8</b><br>W          | 0103      | 0103            | 1.6F       | <b>20</b><br>M        | 0513      | 0513            | 1.8E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |           |                 |            |
|                        | 0353      | 0718            | 2.1E       |                       | 0849      | 1124            | 1.6F       |                                                            |           |                 |            |
|                        | 1111      | 1359            | 1.9F       |                       | 1439      | 1725            | 1.4E       |                                                            |           |                 |            |
|                        | 1745      | 2005            | 1.1E       |                       | 2041      | 2338            | 1.7F       |                                                            |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>9</b><br>Th         | 0156      | 0156            | 1.5F       | <b>21</b><br>Tu       | 0558      | 0558            | 1.8E       |                                                            |           |                 |            |
|                        | 0816      | 0816            | 2.2E       |                       | 0940      | 1215            | 1.5F       |                                                            |           |                 |            |
|                        | 1223      | 1514            | 1.8F       |                       | 1541      | 1818            | 1.2E       |                                                            |           |                 |            |
|                        | 1905      | 2113            | 0.9E       |                       | 2120      |                 |            |                                                            |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>10</b><br>F         | 0025      | 0025            | 1.5F       | <b>22</b><br>W        | 0645      | 0645            | 1.9E       |                                                            |           |                 |            |
|                        | 0543      | 0917            | 2.3E       |                       | 0323      | 0645            | 1.9E       |                                                            |           |                 |            |
|                        | 1333      | 1639            | 1.9F       |                       | 1036      | 1310            | 1.4F       |                                                            |           |                 |            |
|                        | 2017      | 2223            | 0.8E       |                       | 1652      | 1915            | 1.0E       |                                                            |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>11</b><br>Sa        | 0108      | 0352            | 1.5F       | <b>23</b><br>Th       | 0108      | 0108            | 1.5F       | <b>EASTERN<br/>STANDARD TIME</b>                           |           |                 |            |
|                        | 0644      | 1019            | 2.4E       |                       | 0404      | 0735            | 2.0E       |                                                            |           |                 |            |
|                        | 1437      | 1752            | 2.0F       |                       | 1137      | 1410            | 1.4F       |                                                            |           |                 |            |
|                        | 2120      | 2331            | 0.9E       |                       | 1806      | 2014            | 0.8E       |                                                            |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |
| <b>12</b><br>Su        | 0213      | 0451            | 1.5F       | <b>24</b><br>F        | 0159      | 0159            | 1.5F       |                                                            |           |                 |            |
|                        | 0745      | 1118            | 2.4E       |                       | 0452      | 0826            | 2.1E       |                                                            |           |                 |            |
|                        | 1534      | 1850            | 2.1F       |                       | 1238      | 1517            | 1.4F       |                                                            |           |                 |            |
|                        | 2212      |                 |            |                       | 1915      | 2116            | 0.8E       |                                                            |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |                                                            |           |                 |            |

# REEDY POINT, DELAWARE

**FEBRUARY 2025**
**STATION ID 8551910**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0039    | 5.0    | 152 | <b>13</b> | 0552    | -0.3   | -9  | <b>25</b> | 0251    | 0.0    | 0   |
|           | 0725    | -0.6   | -18 |           | 1138    | 5.3    | 162 |           | 0848    | 5.3    | 162 |
|           | Sa 1301 | 5.5    | 168 |           | Th 1830 | -0.3   | -9  |           | Tu 1546 | 0.0    | 0   |
|           | 2000    | -0.5   | -15 |           |         |        |     |           | 2119    | 4.7    | 143 |
| <b>2</b>  | 0125    | 5.1    | 155 | <b>14</b> | 0003    | 4.9    | 149 | <b>26</b> | 0347    | -0.3   | -9  |
|           | 0816    | -0.5   | -15 |           | 0634    | -0.2   | -6  |           | 0938    | 5.5    | 168 |
|           | Su 1349 | 5.3    | 162 |           | F 1218  | 5.2    | 158 |           | W 1635  | -0.2   | -6  |
|           | 2044    | -0.4   | -12 |           | 1907    | -0.2   | -6  |           | 2204    | 5.0    | 152 |
| <b>3</b>  | 0215    | 5.2    | 158 | <b>15</b> | 0043    | 4.9    | 149 | <b>27</b> | 0440    | -0.5   | -15 |
|           | 0912    | -0.3   | -9  |           | 0715    | -0.1   | -3  |           | 1024    | 5.7    | 174 |
|           | M 1442  | 5.1    | 155 |           | Sa 1257 | 5.1    | 155 |           | Th 1721 | -0.3   | -9  |
|           | 2132    | -0.3   | -9  |           | 1942    | -0.2   | -6  |           | 2248    | 5.3    | 162 |
| <b>4</b>  | 0309    | 5.2    | 158 | <b>16</b> | 0121    | 4.9    | 149 | <b>28</b> | 0531    | -0.6   | -18 |
|           | 1011    | -0.1   | -3  |           | 0754    | 0.0    | 0   |           | 1110    | 5.8    | 177 |
|           | Tu 1540 | 4.8    | 146 |           | Su 1337 | 4.9    | 149 |           | F 1805  | -0.4   | -12 |
|           | 2225    | -0.2   | -6  |           | 2015    | -0.1   | -3  |           | ● 2332  | 5.5    | 168 |
| <b>5</b>  | 0408    | 5.2    | 158 | <b>17</b> | 0159    | 4.9    | 149 |           |         |        |     |
|           | 1115    | 0.1    | 3   |           | 0835    | 0.1    | 3   |           |         |        |     |
|           | W 1643  | 4.6    | 140 |           | M 1417  | 4.8    | 146 |           |         |        |     |
|           | ● 2322  | 0.0    | 0   |           | 2047    | 0.0    | 0   |           |         |        |     |
| <b>6</b>  | 0512    | 5.1    | 155 | <b>18</b> | 0237    | 4.9    | 149 |           |         |        |     |
|           | 1220    | 0.2    | 6   |           | 0918    | 0.2    | 6   |           |         |        |     |
|           | Th 1749 | 4.4    | 134 |           | Tu 1500 | 4.6    | 140 |           |         |        |     |
|           |         |        |     |           | 2122    | 0.1    | 3   |           |         |        |     |
| <b>7</b>  | 0024    | 0.0    | 0   | <b>19</b> | 0318    | 4.9    | 149 |           |         |        |     |
|           | 0619    | 5.1    | 155 |           | 1006    | 0.3    | 9   |           |         |        |     |
|           | F 1325  | 0.1    | 3   |           | W 1548  | 4.4    | 134 |           |         |        |     |
|           | 1856    | 4.3    | 131 |           | 2203    | 0.2    | 6   |           |         |        |     |
| <b>8</b>  | 0126    | 0.1    | 3   | <b>20</b> | 0403    | 4.8    | 146 |           |         |        |     |
|           | 0725    | 5.1    | 155 |           | 1100    | 0.4    | 12  |           |         |        |     |
|           | Sa 1428 | 0.1    | 3   |           | Th 1642 | 4.2    | 128 |           |         |        |     |
|           | 1959    | 4.4    | 134 |           | ● 2252  | 0.3    | 9   |           |         |        |     |
| <b>9</b>  | 0227    | 0.0    | 0   | <b>21</b> | 0456    | 4.8    | 146 |           |         |        |     |
|           | 0826    | 5.2    | 158 |           | 1159    | 0.4    | 12  |           |         |        |     |
|           | Su 1525 | -0.1   | -3  |           | F 1741  | 4.1    | 125 |           |         |        |     |
|           | 2056    | 4.5    | 137 |           | 2349    | 0.3    | 9   |           |         |        |     |
| <b>10</b> | 0325    | -0.1   | -3  | <b>22</b> | 0555    | 4.8    | 146 |           |         |        |     |
|           | 0922    | 5.3    | 162 |           | 1300    | 0.4    | 12  |           |         |        |     |
|           | M 1618  | -0.2   | -6  |           | Sa 1841 | 4.1    | 125 |           |         |        |     |
|           | 2149    | 4.6    | 140 |           |         |        |     |           |         |        |     |
| <b>11</b> | 0418    | -0.2   | -6  | <b>23</b> | 0051    | 0.3    | 9   |           |         |        |     |
|           | 1011    | 5.3    | 162 |           | 0657    | 4.9    | 149 |           |         |        |     |
|           | Tu 1706 | -0.3   | -9  |           | Su 1359 | 0.3    | 9   |           |         |        |     |
|           | 2236    | 4.8    | 146 |           | 1938    | 4.3    | 131 |           |         |        |     |
| <b>12</b> | 0507    | -0.3   | -9  | <b>24</b> | 0152    | 0.1    | 3   |           |         |        |     |
|           | 1056    | 5.3    | 162 |           | 0755    | 5.1    | 155 |           |         |        |     |
|           | W 1750  | -0.3   | -9  |           | M 1454  | 0.2    | 6   |           |         |        |     |
|           | ○ 2321  | 4.8    | 146 |           | 2030    | 4.5    | 137 |           |         |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### EASTERN STANDARD TIME



# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**FEBRUARY 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                 |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-----------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water     |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day             | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Sa         | 0007      | 0251            | 1.8E       | <b>13</b><br>Th       | 0445      | 0140            | 1.6E       | <b>25</b><br>Tu | 0129      | 0419            | 1.7F       |
|                        | 0601      | 0859            | 2.3F       |                       | 1027      | 0717            | 1.8F       |                 | 0713      | 1035            | 2.2E       |
|                        | 1204      | 1506            | 2.2E       |                       | 1716      | 1331            | 1.9E       |                 | 1443      | 1728            | 1.8F       |
|                        | 1849      | 2131            | 1.9F       |                       | 2326      | 2008            | 1.9F       |                 | 2105      | 2330            | 1.2E       |
| <b>2</b><br>Su         | 0038      | 0330            | 1.9E       | <b>14</b><br>F        | 0527      | 0213            | 1.8E       | <b>26</b><br>W  | 0227      | 0516            | 1.9F       |
|                        | 0650      | 0950            | 2.3F       |                       | 1113      | 0801            | 1.8F       |                 | 0815      | 1130            | 2.3E       |
|                        | 1301      | 1555            | 2.0E       |                       | 1749      | 1409            | 1.9E       |                 | 1531      | 1812            | 1.9F       |
|                        | 1931      | 2214            | 1.9F       |                       | 2355      | 2035            | 1.9F       |                 | 2142      |                 |            |
| <b>3</b><br>M          | 0110      | 0414            | 2.0E       | <b>15</b><br>Sa       | 0607      | 0244            | 1.8E       | <b>27</b><br>Th | 0319      | 0609            | 1.5E       |
|                        | 0745      | 1043            | 2.2F       |                       | 1156      | 0843            | 1.8F       |                 | 0914      | 1222            | 2.3E       |
|                        | 1403      | 1647            | 1.7E       |                       | 1819      | 1446            | 1.8E       |                 | 1616      | 1855            | 1.9F       |
|                        | 2013      | 2258            | 1.8F       |                       |           | 2105            | 1.8F       |                 | 2216      |                 |            |
| <b>4</b><br>Tu         | 0147      | 0502            | 2.1E       | <b>16</b><br>Su       | 0022      | 0316            | 1.9E       | <b>28</b><br>F  | 0407      | 0057            | 1.7E       |
|                        | 0847      | 1141            | 2.1F       |                       | 0646      | 0924            | 1.8F       |                 | 1011      | 0700            | 2.3E       |
|                        | 1513      | 1746            | 1.4E       |                       | 1240      | 1524            | 1.6E       |                 | 1659      | 1313            | 2.3F       |
|                        | 2058      | 2346            | 1.7F       |                       | 1848      | 2139            | 1.8F       |                 | 2248      | 1937            | 1.9F       |
| <b>5</b><br>W          | 0230      | 0557            | 2.2E       | <b>17</b><br>M        | 0048      | 0349            | 2.0E       |                 |           |                 |            |
|                        | 0954      | 1243            | 1.9F       |                       | 0726      | 1008            | 1.8F       |                 |           |                 |            |
|                        | 1631      | 1849            | 1.1E       |                       | 1326      | 1605            | 1.5E       |                 |           |                 |            |
|                        | 2147      |                 |            |                       | 1919      | 2217            | 1.8F       |                 |           |                 |            |
| <b>6</b><br>Th         |           | 0037            | 1.6F       | <b>18</b><br>Tu       | 0115      | 0427            | 2.0E       |                 |           |                 |            |
|                        | 0320      | 0656            | 2.2E       |                       | 0811      | 1054            | 1.7F       |                 |           |                 |            |
|                        | 1106      | 1353            | 1.8F       |                       | 1417      | 1652            | 1.3E       |                 |           |                 |            |
|                        | 1751      | 1957            | 0.8E       |                       | 1952      | 2257            | 1.7F       |                 |           |                 |            |
| <b>7</b><br>F          |           | 0131            | 1.5F       | <b>19</b><br>W        | 0147      | 0510            | 2.1E       |                 |           |                 |            |
|                        | 0420      | 0758            | 2.2E       |                       | 0901      | 1144            | 1.6F       |                 |           |                 |            |
|                        | 1217      | 1521            | 1.7F       |                       | 1517      | 1744            | 1.1E       |                 |           |                 |            |
|                        | 1905      | 2109            | 0.8E       |                       | 2030      | 2342            | 1.7F       |                 |           |                 |            |
| <b>8</b><br>Sa         |           | 0231            | 1.4F       | <b>20</b><br>Th       | 0224      | 0558            | 2.1E       |                 |           |                 |            |
|                        | 0526      | 0903            | 2.2E       |                       | 0956      | 1238            | 1.5F       |                 |           |                 |            |
|                        | 1324      | 1649            | 1.8F       |                       | 1625      | 1841            | 0.9E       |                 |           |                 |            |
|                        | 2007      | 2221            | 0.8E       |                       | 2115      |                 |            |                 |           |                 |            |
| <b>9</b><br>Su         | 0100      | 0335            | 1.4F       | <b>21</b><br>F        | 0310      | 0031            | 1.6F       |                 |           |                 |            |
|                        | 0635      | 1009            | 2.2E       |                       | 1056      | 0650            | 2.1E       |                 |           |                 |            |
|                        | 1423      | 1748            | 1.9F       |                       | 1735      | 1335            | 1.5F       |                 |           |                 |            |
|                        | 2059      | 2325            | 1.0E       |                       | 2210      | 1941            | 0.8E       |                 |           |                 |            |
| <b>10</b><br>M         | 0207      | 0439            | 1.4F       | <b>22</b><br>Sa       | 0403      | 0123            | 1.5F       |                 |           |                 |            |
|                        | 0741      | 1110            | 2.1E       |                       | 1156      | 0744            | 2.1E       |                 |           |                 |            |
|                        | 1516      | 1835            | 2.0F       |                       | 1839      | 1437            | 1.5F       |                 |           |                 |            |
|                        | 2142      |                 |            |                       | 2315      | 2042            | 0.8E       |                 |           |                 |            |
| <b>11</b><br>Tu        |           | 0018            | 1.2E       | <b>23</b><br>Su       | 0504      | 0220            | 1.5F       |                 |           |                 |            |
|                        | 0306      | 0537            | 1.6F       |                       | 1255      | 0841            | 2.1E       |                 |           |                 |            |
|                        | 0842      | 1204            | 2.1E       |                       | 1935      | 1540            | 1.5F       |                 |           |                 |            |
|                        | 1601      | 1913            | 2.0F       |                       | 2143      | 2143            | 0.9E       |                 |           |                 |            |
| <b>12</b><br>W         |           | 0102            | 1.4E       | <b>24</b><br>M        | 0023      | 0320            | 1.5F       |                 |           |                 |            |
|                        | 0359      | 0629            | 1.7F       |                       | 0608      | 0938            | 2.2E       |                 |           |                 |            |
|                        | 0938      | 1251            | 2.0E       |                       | 1350      | 1638            | 1.6F       |                 |           |                 |            |
|                        | 1641      | 1943            | 2.0F       |                       | 2023      | 2239            | 1.0E       |                 |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**

# REEDY POINT, DELAWARE

**MARCH 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time                                                                                                                                                                                    |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day                                                                                                                                                                                     | h.m.    | ft.    | cm  |
| <b>1</b>  | 0621    | -0.6   | -18 | <b>13</b> | 0546    | -0.1   | -3  | <b>25</b>                                                                                                                                                                               | 0221    | 0.4    | 12  |
|           | 1156    | 5.7    | 174 |           | 1135    | 5.4    | 165 |                                                                                                                                                                                         | 0817    | 5.4    | 165 |
|           | Sa 1849 | -0.4   | -12 |           | Th 1819 | -0.1   | -3  |                                                                                                                                                                                         | Tu 1518 | 0.4    | 12  |
|           |         |        |     | 2357      | 5.3     | 162    |     | 2056                                                                                                                                                                                    | 5.0     | 152    |     |
| <b>2</b>  | 0017    | 5.7    | 174 | <b>14</b> | 0630    | -0.1   | -3  | <b>26</b>                                                                                                                                                                               | 0324    | 0.2    | 6   |
|           | 0712    | -0.6   | -18 |           | 1214    | 5.4    | 165 |                                                                                                                                                                                         | 0916    | 5.6    | 171 |
|           | Su 1243 | 5.6    | 171 |           | F 1856  | -0.1   | -3  |                                                                                                                                                                                         | W 1611  | 0.2    | 6   |
|           | 1932    | -0.4   | -12 | ○         |         |        |     | 2147                                                                                                                                                                                    | 5.3     | 162    |     |
| <b>3</b>  | 0103    | 5.8    | 177 | <b>15</b> | 0036    | 5.4    | 165 | <b>27</b>                                                                                                                                                                               | 0423    | 0.0    | 0   |
|           | 0804    | -0.4   | -12 |           | 0711    | 0.0    | 0   |                                                                                                                                                                                         | 1009    | 5.8    | 177 |
|           | M 1333  | 5.4    | 165 |           | Sa 1252 | 5.3    | 162 |                                                                                                                                                                                         | Th 1701 | 0.0    | 0   |
|           | 2018    | -0.2   | -6  |           | 1931    | 0.0    | 0   |                                                                                                                                                                                         | 2235    | 5.7    | 174 |
| <b>4</b>  | 0153    | 5.7    | 174 | <b>16</b> | 0112    | 5.4    | 165 | <b>28</b>                                                                                                                                                                               | 0519    | -0.2   | -6  |
|           | 0859    | -0.2   | -6  |           | 0750    | 0.0    | 0   |                                                                                                                                                                                         | 1059    | 5.9    | 180 |
|           | Tu 1427 | 5.1    | 155 |           | Su 1329 | 5.1    | 155 |                                                                                                                                                                                         | F 1748  | -0.1   | -3  |
|           | 2107    | 0.0    | 0   |           | 2003    | 0.1    | 3   |                                                                                                                                                                                         | 2321    | 6.0    | 183 |
| <b>5</b>  | 0247    | 5.6    | 171 | <b>17</b> | 0146    | 5.4    | 165 | <b>29</b>                                                                                                                                                                               | 0613    | -0.4   | -12 |
|           | 0958    | 0.1    | 3   |           | 0829    | 0.1    | 3   |                                                                                                                                                                                         | 1147    | 5.9    | 180 |
|           | W 1525  | 4.8    | 146 |           | M 1406  | 5.0    | 152 |                                                                                                                                                                                         | Sa 1834 | -0.2   | -6  |
|           | 2202    | 0.2    | 6   |           | 2033    | 0.2    | 6   | ●                                                                                                                                                                                       |         |        |     |
| <b>6</b>  | 0347    | 5.5    | 168 | <b>18</b> | 0218    | 5.3    | 162 | <b>30</b>                                                                                                                                                                               | 0007    | 6.2    | 189 |
|           | 1101    | 0.3    | 9   |           | 0907    | 0.2    | 6   |                                                                                                                                                                                         | 0705    | -0.4   | -12 |
|           | Th 1629 | 4.6    | 140 |           | Tu 1444 | 4.8    | 146 |                                                                                                                                                                                         | Su 1235 | 5.8    | 177 |
| ●         | 2302    | 0.3    | 9   |           | 2102    | 0.3    | 9   |                                                                                                                                                                                         | 1920    | -0.2   | -6  |
| <b>7</b>  | 0453    | 5.3    | 162 | <b>19</b> | 0251    | 5.3    | 162 | <b>31</b>                                                                                                                                                                               | 0053    | 6.3    | 192 |
|           | 1205    | 0.4    | 12  |           | 0947    | 0.4    | 12  |                                                                                                                                                                                         | 0758    | -0.3   | -9  |
|           | F 1737  | 4.5    | 137 |           | W 1524  | 4.7    | 143 |                                                                                                                                                                                         | M 1325  | 5.6    | 171 |
|           |         |        |     | 2134      | 0.4     | 12     |     | 2006                                                                                                                                                                                    | -0.1    | -3     |     |
| <b>8</b>  | 0006    | 0.4    | 12  | <b>20</b> | 0326    | 5.3    | 162 | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.<br>Heights are referred to mean<br>lower low water which is the<br>chart datum of soundings.                                 |         |        |     |
|           | 0603    | 5.2    | 158 |           | 1032    | 0.5    | 15  |                                                                                                                                                                                         |         |        |     |
|           | Sa 1308 | 0.4    | 12  |           | Th 1608 | 4.5    | 137 |                                                                                                                                                                                         |         |        |     |
|           | 1843    | 4.5    | 137 |           | 2214    | 0.5    | 15  |                                                                                                                                                                                         |         |        |     |
| <b>9</b>  | 0109    | 0.4    | 12  | <b>21</b> | 0408    | 5.3    | 162 | <b>EASTERN<br/>                     STANDARD TIME/<br/>                     DAYLIGHT<br/>                     SAVING TIME</b><br><br>Times ARE adjusted<br>for DST starting<br>March 9. |         |        |     |
|           | 0811    | 5.2    | 158 |           | 1123    | 0.6    | 18  |                                                                                                                                                                                         |         |        |     |
|           | Su 1508 | 0.3    | 9   |           | F 1659  | 4.4    | 134 |                                                                                                                                                                                         |         |        |     |
|           | 2045    | 4.7    | 143 |           | 2305    | 0.6    | 18  |                                                                                                                                                                                         |         |        |     |
| <b>10</b> | 0310    | 0.3    | 9   | <b>22</b> | 0500    | 5.2    | 158 |                                                                                                                                                                                         |         |        |     |
|           | 0912    | 5.3    | 162 |           | 1221    | 0.7    | 21  |                                                                                                                                                                                         |         |        |     |
|           | M 1603  | 0.1    | 3   |           | Sa 1758 | 4.4    | 134 |                                                                                                                                                                                         |         |        |     |
|           | 2141    | 4.9    | 149 | ●         |         |        |     |                                                                                                                                                                                         |         |        |     |
| <b>11</b> | 0407    | 0.2    | 6   | <b>23</b> | 0007    | 0.6    | 18  |                                                                                                                                                                                         |         |        |     |
|           | 1005    | 5.4    | 165 |           | 0604    | 5.2    | 158 |                                                                                                                                                                                         |         |        |     |
|           | Tu 1653 | 0.0    | 0   |           | Su 1322 | 0.7    | 21  |                                                                                                                                                                                         |         |        |     |
|           | 2231    | 5.1    | 155 |           | 1900    | 4.5    | 137 |                                                                                                                                                                                         |         |        |     |
| <b>12</b> | 0459    | 0.0    | 0   | <b>24</b> | 0114    | 0.6    | 18  |                                                                                                                                                                                         |         |        |     |
|           | 1052    | 5.4    | 165 |           | 0712    | 5.2    | 158 |                                                                                                                                                                                         |         |        |     |
|           | W 1738  | -0.1   | -3  |           | M 1421  | 0.6    | 18  |                                                                                                                                                                                         |         |        |     |
|           | 2316    | 5.2    | 158 |           | 2000    | 4.7    | 143 |                                                                                                                                                                                         |         |        |     |

# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**MARCH 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                                                                                                                          |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|--------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water                                                                                                              |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day                                                                                                                      | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Sa         | 0454      | 0138            | 1.9E       | <b>13</b><br>Th       | 0442      | 0131            | 1.7E       | <b>25</b><br>Tu                                                                                                          | 0101      | 0353            | 1.6F       |
|                        | 1107      | 0752            | 2.4F       |                       | 1033      | 0717            | 1.7F       |                                                                                                                          | 0645      | 1005            | 2.1E       |
|                        | 1741      | 1403            | 2.2E       |                       | 1709      | 1332            | 1.7E       |                                                                                                                          | 1404      | 1652            | 1.7F       |
|                        | 2319      | 2019            | 1.9F       |                       | 2309      | 1959            | 1.8F       |                                                                                                                          | 2028      | 2300            | 1.3E       |
| <b>2</b><br>Su         | 0543      | 0219            | 2.1E       | <b>14</b><br>F        | 0524      | 0205            | 1.8E       | <b>26</b><br>W                                                                                                           | 0203      | 0454            | 1.8F       |
|                        | 1204      | 0843            | 2.5F       |                       | 1120      | 0800            | 1.8F       |                                                                                                                          | 0754      | 1105            | 2.1E       |
|                        | 1822      | 1451            | 2.0E       |                       | 1742      | 1410            | 1.6E       |                                                                                                                          | 1459      | 1743            | 1.8F       |
|                        | 2352      | 2101            | 1.9F       |                       | 2339      | 2025            | 1.7F       |                                                                                                                          | 2108      | 2348            | 1.6E       |
| <b>3</b><br>M          | 0636      | 0301            | 2.3E       | <b>15</b><br>Sa       | 0603      | 0236            | 1.9E       | <b>27</b><br>Th                                                                                                          | 0300      | 0552            | 2.0F       |
|                        | 1304      | 0936            | 2.4F       |                       | 0603      | 0841            | 1.9F       |                                                                                                                          | 0901      | 1202            | 2.1E       |
|                        | 1904      | 1541            | 1.7E       |                       | 1204      | 1446            | 1.6E       |                                                                                                                          | 1552      | 1831            | 1.8F       |
|                        |           | 2145            | 1.8F       |                       | 1813      | 2054            | 1.7F       |                                                                                                                          | 2146      |                 |            |
| <b>4</b><br>Tu         | 0029      | 0347            | 2.4E       | <b>16</b><br>Su       | 0005      | 0306            | 2.0E       | <b>28</b><br>F                                                                                                           | 0353      | 0034            | 1.8E       |
|                        | 0735      | 1031            | 2.3F       |                       | 0641      | 0921            | 1.9F       |                                                                                                                          | 1003      | 0647            | 2.2F       |
|                        | 1409      | 1635            | 1.4E       |                       | 1246      | 1522            | 1.5E       |                                                                                                                          | 1640      | 1258            | 2.1E       |
|                        | 1947      | 2231            | 1.7F       |                       | 1840      | 2126            | 1.7F       |                                                                                                                          | 2221      | 1916            | 1.9F       |
| <b>5</b><br>W          | 0111      | 0437            | 2.4E       | <b>17</b><br>M        | 0029      | 0337            | 2.1E       | <b>29</b><br>Sa                                                                                                          | 0444      | 0119            | 2.0E       |
|                        | 0839      | 1132            | 2.1F       |                       | 0718      | 1001            | 1.9F       |                                                                                                                          | 1104      | 0741            | 2.4F       |
|                        | 1520      | 1736            | 1.1E       |                       | 1329      | 1600            | 1.4E       |                                                                                                                          | 1726      | 1352            | 2.0E       |
|                        | 2035      | 2321            | 1.6F       |                       | 1907      | 2202            | 1.7F       |                                                                                                                          | 2256      | 2000            | 1.9F       |
| <b>6</b><br>Th         | 0200      | 0534            | 2.3E       | <b>18</b><br>Tu       | 0054      | 0411            | 2.2E       | <b>30</b><br>Su                                                                                                          | 0535      | 0203            | 2.3E       |
|                        | 0947      | 1238            | 1.9F       |                       | 0758      | 1044            | 1.8F       |                                                                                                                          | 1204      | 0835            | 2.5F       |
|                        | 1635      | 1845            | 0.9E       |                       | 1415      | 1641            | 1.2E       |                                                                                                                          | 1808      | 1444            | 1.9E       |
|                        | 2131      |                 |            |                       | 1936      | 2240            | 1.7F       |                                                                                                                          | 2332      | 2045            | 1.8F       |
| <b>7</b><br>F          | 0257      | 0015            | 1.5F       | <b>19</b><br>W        | 0123      | 0448            | 2.2E       | <b>31</b><br>M                                                                                                           | 0629      | 0248            | 2.5E       |
|                        | 1056      | 0637            | 2.2E       |                       | 0841      | 1129            | 1.8F       |                                                                                                                          | 1305      | 0929            | 2.5F       |
|                        | 1746      | 1353            | 1.8F       |                       | 1505      | 1726            | 1.1E       |                                                                                                                          | 1850      | 1536            | 1.6E       |
|                        | 2238      | 1956            | 0.8E       |                       | 2011      | 2322            | 1.7F       |                                                                                                                          |           | 2130            | 1.8F       |
| <b>8</b><br>Sa         | 0405      | 0113            | 1.4F       | <b>20</b><br>Th       | 0158      | 0530            | 2.3E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.                                                               |           |                 |            |
|                        | 1202      | 0743            | 2.1E       |                       | 0928      | 1218            | 1.7F       |                                                                                                                          |           |                 |            |
|                        | 1847      | 1524            | 1.8F       |                       | 1601      | 1817            | 0.9E       |                                                                                                                          |           |                 |            |
|                        | 2348      | 2107            | 0.9E       |                       | 2053      |                 |            |                                                                                                                          |           |                 |            |
| <b>9</b><br>Su         | 0620      | 0316            | 1.3F       | <b>21</b><br>F        | 0240      | 0009            | 1.6F       | <b>EASTERN<br/>STANDARD TIME/<br/>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST starting<br>March 9. |           |                 |            |
|                        | 1403      | 0952            | 2.0E       |                       | 1020      | 0618            | 2.2E       |                                                                                                                          |           |                 |            |
|                        | 2037      | 1733            | 1.8F       |                       | 1701      | 1309            | 1.6F       |                                                                                                                          |           |                 |            |
|                        |           | 2311            | 1.1E       |                       | 2146      | 1915            | 0.9E       |                                                                                                                          |           |                 |            |
| <b>10</b><br>M         | 0156      | 0424            | 1.4F       | <b>22</b><br>Sa       | 0330      | 0100            | 1.6F       | <b>EASTERN<br/>STANDARD TIME/<br/>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST starting<br>March 9. |           |                 |            |
|                        | 0734      | 1100            | 1.9E       |                       | 1114      | 0712            | 2.2E       |                                                                                                                          |           |                 |            |
|                        | 1458      | 1823            | 1.9F       |                       | 1801      | 1403            | 1.6F       |                                                                                                                          |           |                 |            |
|                        | 2121      |                 |            |                       | 2248      | 2013            | 0.9E       |                                                                                                                          |           |                 |            |
| <b>11</b><br>Tu        | 0259      | 0005            | 1.3E       | <b>23</b><br>Su       | 0427      | 0155            | 1.6F       | <b>EASTERN<br/>STANDARD TIME/<br/>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST starting<br>March 9. |           |                 |            |
|                        | 0840      | 0530            | 1.4F       |                       | 1211      | 0808            | 2.1E       |                                                                                                                          |           |                 |            |
|                        | 1547      | 1200            | 1.8E       |                       | 1856      | 1458            | 1.6F       |                                                                                                                          |           |                 |            |
|                        | 2200      | 1903            | 1.9F       |                       | 2355      | 2111            | 1.0E       |                                                                                                                          |           |                 |            |
| <b>12</b><br>W         | 0354      | 0051            | 1.5E       | <b>24</b><br>M        | 0534      | 0252            | 1.6F       | <b>EASTERN<br/>STANDARD TIME/<br/>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST starting<br>March 9. |           |                 |            |
|                        | 0940      | 0628            | 1.6F       |                       | 1308      | 0906            | 2.1E       |                                                                                                                          |           |                 |            |
|                        | 1630      | 1250            | 1.7E       |                       | 1944      | 1556            | 1.6F       |                                                                                                                          |           |                 |            |
|                        | 2236      | 1935            | 1.8F       |                       |           | 2207            | 1.1E       |                                                                                                                          |           |                 |            |

# REEDY POINT, DELAWARE

**APRIL 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0141    | 6.3    | 192 | <b>13</b> | 0007    | 5.8    | 177 | <b>25</b> | 0400    | 0.2    | 6   |
|           | 0851    | -0.2   | -6  |           | 0648    | 0.2    | 6   |           | 0939    | 5.8    | 177 |
|           | Tu 1417 | 5.4    | 165 |           | Su 1226 | 5.3    | 162 |           | F 1625  | 0.2    | 6   |
|           | 2054    | 0.1    | 3   |           | ○ 1854  | 0.3    | 9   |           | 2206    | 6.2    | 189 |
| <b>2</b>  | 0232    | 6.2    | 189 | <b>14</b> | 0041    | 5.8    | 177 | <b>26</b> | 0459    | 0.0    | 0   |
|           | 0946    | 0.0    | 0   |           | 0728    | 0.2    | 6   |           | 1032    | 5.8    | 177 |
|           | W 1512  | 5.2    | 158 |           | M 1303  | 5.1    | 155 |           | Sa 1715 | 0.1    | 3   |
|           | 2146    | 0.3    | 9   |           | 1926    | 0.5    | 15  |           | 2255    | 6.5    | 198 |
| <b>3</b>  | 0328    | 6.0    | 183 | <b>15</b> | 0112    | 5.8    | 177 | <b>27</b> | 0555    | -0.1   | -3  |
|           | 1044    | 0.3    | 9   |           | 0807    | 0.3    | 9   |           | 1124    | 5.8    | 177 |
|           | Th 1612 | 4.9    | 149 |           | Tu 1339 | 5.0    | 152 |           | Su 1804 | 0.1    | 3   |
|           | 2243    | 0.6    | 18  |           | 1956    | 0.6    | 18  |           | ● 2343  | 6.6    | 201 |
| <b>4</b>  | 0429    | 5.7    | 174 | <b>16</b> | 0142    | 5.7    | 174 | <b>28</b> | 0650    | -0.1   | -3  |
|           | 1144    | 0.5    | 15  |           | 0845    | 0.4    | 12  |           | 1215    | 5.7    | 174 |
|           | F 1716  | 4.8    | 146 |           | W 1416  | 4.8    | 146 |           | M 1853  | 0.1    | 3   |
|           | 2344    | 0.7    | 21  |           | 2026    | 0.6    | 18  |           |         |        |     |
| <b>5</b>  | 0535    | 5.5    | 168 | <b>17</b> | 0212    | 5.7    | 174 | <b>29</b> | 0032    | 6.7    | 204 |
|           | 1244    | 0.5    | 15  |           | 0925    | 0.6    | 18  |           | 0744    | -0.1   | -3  |
|           | Sa 1822 | 4.8    | 146 |           | Th 1454 | 4.8    | 146 |           | Tu 1307 | 5.5    | 168 |
|           | ●       |        |     |           | 2100    | 0.7    | 21  |           | 1942    | 0.3    | 9   |
| <b>6</b>  | 0047    | 0.8    | 24  | <b>18</b> | 0247    | 5.7    | 174 | <b>30</b> | 0122    | 6.6    | 201 |
|           | 0644    | 5.3    | 162 |           | 1007    | 0.7    | 21  |           | 0837    | 0.0    | 0   |
|           | Su 1344 | 0.5    | 15  |           | F 1536  | 4.7    | 143 |           | W 1401  | 5.3    | 162 |
|           | 1926    | 4.9    | 149 |           | 2142    | 0.7    | 21  |           | 2033    | 0.4    | 12  |
| <b>7</b>  | 0149    | 0.7    | 21  | <b>19</b> | 0330    | 5.7    | 174 |           |         |        |     |
|           | 0750    | 5.3    | 162 |           | 1055    | 0.7    | 21  |           |         |        |     |
|           | M 1440  | 0.5    | 15  |           | Sa 1624 | 4.7    | 143 |           |         |        |     |
|           | 2025    | 5.1    | 155 |           | 2234    | 0.8    | 24  |           |         |        |     |
| <b>8</b>  | 0248    | 0.6    | 18  | <b>20</b> | 0423    | 5.6    | 171 |           |         |        |     |
|           | 0849    | 5.4    | 165 |           | 1149    | 0.8    | 24  |           |         |        |     |
|           | Tu 1532 | 0.3    | 9   |           | Su 1721 | 4.7    | 143 |           |         |        |     |
|           | 2119    | 5.3    | 162 |           | 2337    | 0.8    | 24  |           |         |        |     |
| <b>9</b>  | 0344    | 0.4    | 12  | <b>21</b> | 0526    | 5.5    | 168 |           |         |        |     |
|           | 0940    | 5.5    | 168 |           | 1246    | 0.7    | 21  |           |         |        |     |
|           | W 1619  | 0.2    | 6   |           | M 1822  | 4.9    | 149 |           |         |        |     |
|           | 2206    | 5.5    | 168 |           | ●       |        |     |           |         |        |     |
| <b>10</b> | 0435    | 0.3    | 9   | <b>22</b> | 0046    | 0.8    | 24  |           |         |        |     |
|           | 1026    | 5.5    | 168 |           | 0634    | 5.5    | 168 |           |         |        |     |
|           | Th 1703 | 0.2    | 6   |           | Tu 1343 | 0.6    | 18  |           |         |        |     |
|           | 2250    | 5.7    | 174 |           | 1923    | 5.1    | 155 |           |         |        |     |
| <b>11</b> | 0522    | 0.2    | 6   | <b>23</b> | 0154    | 0.6    | 18  |           |         |        |     |
|           | 1108    | 5.5    | 168 |           | 0741    | 5.6    | 171 |           |         |        |     |
|           | F 1743  | 0.2    | 6   |           | W 1439  | 0.5    | 15  |           |         |        |     |
|           | 2330    | 5.8    | 177 |           | 2021    | 5.5    | 168 |           |         |        |     |
| <b>12</b> | 0606    | 0.2    | 6   | <b>24</b> | 0259    | 0.4    | 12  |           |         |        |     |
|           | 1148    | 5.4    | 165 |           | 0843    | 5.7    | 174 |           |         |        |     |
|           | Sa 1820 | 0.2    | 6   |           | Th 1533 | 0.3    | 9   |           |         |        |     |
|           |         |        |     |           | 2115    | 5.8    | 177 |           |         |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**APRIL 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0010      | 0334            | 2.6E       | <b>13</b>             | 0158      | 2.1E            |            | <b>25</b>   | 0235      | 0529            | 2.1F       |
|                        | 0726      | 1025            | 2.5F       |                       | 0540      | 0822            | 1.9F       |             | 0849      | 1136            | 1.8E       |
| Tu                     | 1407      | 1628            | 1.4E       | Su                    | 1156      | 1423            | 1.3E       | F           | 1508      | 1751            | 1.8F       |
|                        | 1934      | 2216            | 1.7F       |                       | 1734      | 2013            | 1.6F       |             | 2051      | 2357            | 2.2E       |
|                        |           |                 |            |                       | 2314      |                 |            |             |           |                 |            |
| <b>2</b>               | 0053      | 0422            | 2.6E       | <b>14</b>             | 0230      | 2.2E            |            | <b>26</b>   | 0331      | 0627            | 2.3F       |
|                        | 0826      | 1123            | 2.3F       |                       | 0618      | 0902            | 1.9F       |             | 0955      | 1233            | 1.8E       |
| W                      | 1513      | 1725            | 1.1E       | M                     | 1240      | 1501            | 1.2E       | Sa          | 1559      | 1838            | 1.8F       |
|                        | 2023      | 2305            | 1.6F       |                       | 1801      | 2049            | 1.6F       |             | 2130      |                 |            |
|                        |           |                 |            |                       | 2339      |                 |            |             |           |                 |            |
| <b>3</b>               | 0141      | 0515            | 2.5E       | <b>15</b>             | 0303      | 2.3E            |            | <b>27</b>   | 0427      | 0044            | 2.4E       |
|                        | 0929      | 1225            | 2.1F       |                       | 0656      | 0942            | 1.9F       |             | 0427      | 0724            | 2.5F       |
| Th                     | 1619      | 1830            | 0.9E       | Tu                    | 1325      | 1540            | 1.1E       | Su          | 1100      | 1330            | 1.6E       |
|                        | 2120      | 2359            | 1.5F       |                       | 1829      | 2128            | 1.6F       |             | 1646      | 1925            | 1.8F       |
|                        |           |                 |            |                       | 0006      | 0338            | 2.4E       |             | 2210      |                 |            |
| <b>4</b>               | 0237      | 0613            | 2.3E       | <b>16</b>             | 0735      | 1024            | 1.9F       | <b>28</b>   | 0523      | 0132            | 2.6E       |
|                        | 1033      | 1332            | 1.9F       |                       | 0735      | 1024            | 1.9F       |             | 0523      | 0821            | 2.5F       |
| F                      | 1724      | 1942            | 0.9E       | W                     | 1411      | 1621            | 1.0E       | M           | 1203      | 1426            | 1.4E       |
|                        | 2226      |                 |            |                       | 1901      | 2209            | 1.6F       |             | 1732      | 2012            | 1.8F       |
|                        |           | 0056            | 1.4F       |                       | 0040      | 0416            | 2.4E       |             | 2251      |                 |            |
| <b>5</b>               | 0342      | 0719            | 2.1E       | <b>17</b>             | 0816      | 1108            | 1.8F       | <b>29</b>   | 0619      | 0221            | 2.8E       |
|                        | 1135      | 1443            | 1.8F       |                       | 0816      | 1108            | 1.8F       |             | 0619      | 0919            | 2.5F       |
| Sa                     | 1822      | 2050            | 1.0E       | Th                    | 1458      | 1706            | 0.9E       | Tu          | 1305      | 1522            | 1.3E       |
|                        | 2336      |                 |            |                       | 1941      | 2253            | 1.6F       |             | 1817      | 2100            | 1.7F       |
|                        |           | 0158            | 1.3F       |                       | 0120      | 0458            | 2.4E       |             | 2336      |                 |            |
| <b>6</b>               | 0458      | 0828            | 1.9E       | <b>18</b>             | 0900      | 1154            | 1.8F       |             |           |                 |            |
|                        | 1235      | 1555            | 1.8F       |                       | 0900      | 1154            | 1.8F       |             |           |                 |            |
| Su                     | 1912      | 2151            | 1.2E       | F                     | 1546      | 1756            | 0.9E       | <b>30</b>   | 0716      | 0310            | 2.8E       |
|                        |           |                 |            |                       | 2032      | 2342            | 1.6F       |             | 0716      | 1016            | 2.4F       |
| <b>7</b>               | 0044      | 0303            | 1.3F       | <b>19</b>             | 0207      | 0545            | 2.3E       | W           | 1407      | 1617            | 1.1E       |
|                        | 0617      | 0936            | 1.7E       |                       | 0946      | 1242            | 1.8F       |             | 1908      | 2150            | 1.7F       |
| M                      | 1330      | 1655            | 1.7F       | Sa                    | 1634      | 1851            | 0.9E       |             |           |                 |            |
|                        | 1956      | 2246            | 1.4E       |                       | 2131      |                 |            |             |           |                 |            |
|                        |           | 0146            | 1.4F       |                       | 0301      | 0035            | 1.6F       |             |           |                 |            |
| <b>8</b>               | 0729      | 1041            | 1.6E       | <b>20</b>             | 0301      | 0639            | 2.2E       |             |           |                 |            |
|                        | 1421      | 1741            | 1.7F       |                       | 0301      | 0639            | 2.2E       |             |           |                 |            |
| Tu                     | 2036      | 2334            | 1.6E       | Su                    | 1035      | 1332            | 1.8F       |             |           |                 |            |
|                        |           |                 |            |                       | 1722      | 1947            | 1.1E       |             |           |                 |            |
|                        |           |                 |            |                       | 2235      |                 |            |             |           |                 |            |
| <b>9</b>               | 0242      | 0520            | 1.5F       | <b>21</b>             | 0131      | 1.6F            |            |             |           |                 |            |
|                        | 0834      | 1138            | 1.5E       |                       | 0403      | 0737            | 2.1E       |             |           |                 |            |
| W                      | 1508      | 1816            | 1.7F       | M                     | 1128      | 1423            | 1.8F       |             |           |                 |            |
|                        | 2114      |                 |            |                       | 1808      | 2040            | 1.2E       |             |           |                 |            |
|                        |           | 0016            | 1.8E       |                       | 2339      |                 |            |             |           |                 |            |
| <b>10</b>              | 0333      | 0615            | 1.6F       | <b>22</b>             | 0229      | 1.6F            |            |             |           |                 |            |
|                        | 0931      | 1225            | 1.4E       |                       | 0513      | 0836            | 2.0E       |             |           |                 |            |
| Th                     | 1551      | 1843            | 1.6F       | Tu                    | 1223      | 1516            | 1.7F       |             |           |                 |            |
|                        | 2149      |                 |            |                       | 1851      | 2131            | 1.4E       |             |           |                 |            |
|                        |           | 0053            | 1.9E       |                       | 0040      | 0328            | 1.7F       |             |           |                 |            |
| <b>11</b>              | 0419      | 0701            | 1.8F       | <b>23</b>             | 0627      | 0936            | 1.9E       |             |           |                 |            |
|                        | 1023      | 1307            | 1.4E       |                       | 0627      | 0936            | 1.9E       |             |           |                 |            |
| F                      | 1630      | 1910            | 1.6F       | W                     | 1319      | 1609            | 1.8F       |             |           |                 |            |
|                        | 2221      |                 |            |                       | 1932      | 2221            | 1.7E       |             |           |                 |            |
|                        |           | 0126            | 2.0E       |                       | 0138      | 0429            | 1.9F       |             |           |                 |            |
| <b>12</b>              | 0501      | 0742            | 1.8F       | <b>24</b>             | 0740      | 1036            | 1.9E       |             |           |                 |            |
|                        | 1110      | 1345            | 1.4E       |                       | 0740      | 1036            | 1.9E       |             |           |                 |            |
| Sa                     | 1704      | 1940            | 1.6F       | Th                    | 1415      | 1701            | 1.8F       |             |           |                 |            |
|                        | 2249      |                 |            |                       | 2012      | 2309            | 1.9E       |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# REEDY POINT, DELAWARE

**MAY 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

| Time                |      | Height |     | Time                 |      | Height |     | Time            |      | Height |     |
|---------------------|------|--------|-----|----------------------|------|--------|-----|-----------------|------|--------|-----|
| Day                 | h.m. | ft.    | cm  | Day                  | h.m. | ft.    | cm  | Day             | h.m. | ft.    | cm  |
| <b>1</b><br>Th      | 0214 | 6.4    | 195 | <b>13</b><br>Tu      | 0011 | 6.0    | 183 | <b>25</b><br>Su | 0441 | 0.3    | 9   |
|                     | 0931 | 0.2    | 6   |                      | 0706 | 0.4    | 12  |                 | 1009 | 5.6    | 171 |
|                     | 1458 | 5.2    | 158 |                      | 1239 | 5.0    | 152 |                 | 1645 | 0.3    | 9   |
|                     | 2127 | 0.6    | 18  |                      | 1855 | 0.7    | 21  |                 | 2231 | 6.7    | 204 |
| <b>2</b><br>F       | 0311 | 6.1    | 186 | <b>14</b><br>W       | 0043 | 6.0    | 183 | <b>26</b><br>M  | 0540 | 0.2    | 6   |
|                     | 1027 | 0.4    | 12  |                      | 0747 | 0.4    | 12  |                 | 1103 | 5.6    | 171 |
|                     | 1557 | 5.1    | 155 |                      | 1316 | 4.9    | 149 |                 | 1738 | 0.3    | 9   |
|                     | 2224 | 0.8    | 24  |                      | 1929 | 0.7    | 21  |                 | 2322 | 6.7    | 204 |
| <b>3</b><br>Sa      | 0411 | 5.8    | 177 | <b>15</b><br>Th      | 0113 | 5.9    | 180 | <b>27</b><br>Tu | 0636 | 0.1    | 3   |
|                     | 1122 | 0.5    | 15  |                      | 0826 | 0.5    | 15  |                 | 1157 | 5.5    | 168 |
|                     | 1659 | 5.0    | 152 |                      | 1352 | 4.8    | 146 |                 | 1831 | 0.4    | 12  |
|                     | 2323 | 0.9    | 27  |                      | 2003 | 0.8    | 24  |                 | ●    |        |     |
| <b>4</b><br>Su<br>○ | 0514 | 5.6    | 171 | <b>16</b><br>F       | 0145 | 5.9    | 180 | <b>28</b><br>W  | 0013 | 6.7    | 204 |
|                     | 1218 | 0.6    | 18  |                      | 0906 | 0.6    | 18  |                 | 0729 | 0.1    | 3   |
|                     | 1800 | 5.1    | 155 |                      | 1430 | 4.8    | 146 |                 | 1251 | 5.4    | 165 |
|                     |      |        |     |                      | 2040 | 0.8    | 24  |                 | 1923 | 0.5    | 15  |
| <b>5</b><br>M       | 0023 | 1.0    | 30  | <b>17</b><br>Sa      | 0223 | 5.9    | 180 | <b>29</b><br>Th | 0105 | 6.5    | 198 |
|                     | 0618 | 5.5    | 168 |                      | 0948 | 0.7    | 21  |                 | 0822 | 0.2    | 6   |
|                     | 1312 | 0.6    | 18  |                      | 1511 | 4.9    | 149 |                 | 1346 | 5.3    | 162 |
|                     | 1900 | 5.2    | 158 |                      | 2124 | 0.8    | 24  |                 | 2015 | 0.6    | 18  |
| <b>6</b><br>Tu      | 0122 | 0.9    | 27  | <b>18</b><br>Su      | 0307 | 5.9    | 180 | <b>30</b><br>F  | 0158 | 6.3    | 192 |
|                     | 0719 | 5.4    | 165 |                      | 1032 | 0.7    | 21  |                 | 0913 | 0.3    | 9   |
|                     | 1404 | 0.5    | 15  |                      | 1558 | 4.9    | 149 |                 | 1441 | 5.2    | 158 |
|                     | 1957 | 5.4    | 165 |                      | 2216 | 0.9    | 27  |                 | 2108 | 0.7    | 21  |
| <b>7</b><br>W       | 0220 | 0.8    | 24  | <b>19</b><br>M       | 0359 | 5.8    | 177 | <b>31</b><br>Sa | 0253 | 6.1    | 186 |
|                     | 0815 | 5.4    | 165 |                      | 1121 | 0.7    | 21  |                 | 1004 | 0.4    | 12  |
|                     | 1453 | 0.5    | 15  |                      | 1651 | 5.1    | 155 |                 | 1538 | 5.2    | 158 |
|                     | 2049 | 5.6    | 171 |                      | 2317 | 0.9    | 27  |                 | 2202 | 0.9    | 27  |
| <b>8</b><br>Th      | 0315 | 0.7    | 21  | <b>20</b><br>Tu<br>○ | 0459 | 5.8    | 177 |                 |      |        |     |
|                     | 0906 | 5.4    | 165 |                      | 1213 | 0.6    | 18  |                 |      |        |     |
|                     | 1539 | 0.4    | 12  |                      | 1749 | 5.3    | 162 |                 |      |        |     |
|                     | 2136 | 5.8    | 177 |                      |      |        |     |                 |      |        |     |
| <b>9</b><br>F       | 0406 | 0.5    | 15  | <b>21</b><br>W       | 0023 | 0.8    | 24  |                 |      |        |     |
|                     | 0954 | 5.4    | 165 |                      | 0603 | 5.7    | 174 |                 |      |        |     |
|                     | 1623 | 0.4    | 12  |                      | 1307 | 0.6    | 18  |                 |      |        |     |
|                     | 2219 | 6.0    | 183 |                      | 1850 | 5.5    | 168 |                 |      |        |     |
| <b>10</b><br>Sa     | 0455 | 0.4    | 12  | <b>22</b><br>Th      | 0131 | 0.7    | 21  |                 |      |        |     |
|                     | 1038 | 5.4    | 165 |                      | 0709 | 5.7    | 174 |                 |      |        |     |
|                     | 1704 | 0.4    | 12  |                      | 1402 | 0.5    | 15  |                 |      |        |     |
|                     | 2259 | 6.0    | 183 |                      | 1949 | 5.9    | 180 |                 |      |        |     |
| <b>11</b><br>Su     | 0541 | 0.4    | 12  | <b>23</b><br>F       | 0237 | 0.6    | 18  |                 |      |        |     |
|                     | 1120 | 5.3    | 162 |                      | 0813 | 5.6    | 171 |                 |      |        |     |
|                     | 1743 | 0.5    | 15  |                      | 1456 | 0.4    | 12  |                 |      |        |     |
|                     | 2337 | 6.0    | 183 |                      | 2046 | 6.2    | 189 |                 |      |        |     |
| <b>12</b><br>M<br>○ | 0625 | 0.3    | 9   | <b>24</b><br>Sa      | 0340 | 0.4    | 12  |                 |      |        |     |
|                     | 1200 | 5.1    | 155 |                      | 0912 | 5.6    | 171 |                 |      |        |     |
|                     | 1820 | 0.6    | 18  |                      | 1551 | 0.3    | 9   |                 |      |        |     |
|                     |      |        |     |                      | 2140 | 6.5    | 198 |                 |      |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean  
 lower low water which is the  
 chart datum of soundings.

**DAYLIGHT  
 SAVING TIME**  
 Times ARE adjusted  
 for DST.

# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**MAY 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                                                                       |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-----------------------------------------------------------------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water                                                           |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day                                                                   | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Th         | 0025      | 0401            | 2.7E       | <b>13</b><br>Tu       | 0559      | 0156            | 2.4E       | <b>25</b><br>Su                                                       | 0318      | 0613            | 2.3F       |
|                        | 0814      | 1114            | 2.3F       |                       | 1237      | 0846            | 1.9F       |                                                                       | 0952      | 1212            | 1.3E       |
|                        | 1507      | 1716            | 1.0E       |                       | 1725      | 1443            | 0.9E       |                                                                       | 1516      | 1804            | 1.8F       |
|                        | 2006      | 2243            | 1.6F       |                       | 2257      | 2016            | 1.6F       |                                                                       | 2048      |                 |            |
| <b>2</b><br>F          | 0119      | 0454            | 2.5E       | <b>14</b><br>W        | 0638      | 0232            | 2.5E       | <b>26</b><br>M                                                        | 0417      | 0016            | 2.7E       |
|                        | 0912      | 1213            | 2.1F       |                       | 0926      | 0926            | 1.9F       |                                                                       | 1059      | 0713            | 2.4F       |
|                        | 1603      | 1820            | 1.0E       |                       | 1322      | 1524            | 0.9E       |                                                                       | 1607      | 1311            | 1.2E       |
|                        | 2111      | 2339            | 1.4F       |                       | 1758      | 2058            | 1.6F       |                                                                       | 2134      | 1854            | 1.8F       |
| <b>3</b><br>Sa         | 0221      | 0552            | 2.2E       | <b>15</b><br>Th       | 0716      | 0309            | 2.5E       | <b>27</b><br>Tu                                                       | 0514      | 0107            | 2.9E       |
|                        | 1009      | 1313            | 2.0F       |                       | 1404      | 1006            | 1.9F       |                                                                       | 1202      | 0813            | 2.4F       |
|                        | 1655      | 1927            | 1.1E       |                       | 1838      | 1605            | 0.9E       |                                                                       | 1658      | 1410            | 1.1E       |
|                        | 2219      |                 |            |                       | 2143      | 2143            | 1.6F       |                                                                       | 2222      | 1944            | 1.8F       |
| <b>4</b><br>Su         | 0331      | 0039            | 1.3F       | <b>16</b><br>F        | 0009      | 0349            | 2.5E       | <b>28</b><br>W                                                        | 0609      | 0158            | 2.9E       |
|                        | 1104      | 0657            | 1.9E       |                       | 0754      | 1047            | 1.9F       |                                                                       | 1301      | 0912            | 2.4F       |
|                        | 1743      | 1409            | 1.9F       |                       | 1444      | 1649            | 0.9E       |                                                                       | 1751      | 1509            | 1.0E       |
|                        | 2326      | 2028            | 1.3E       |                       | 1926      | 2230            | 1.6F       |                                                                       | 2313      | 2035            | 1.7F       |
| <b>5</b><br>M          | 0448      | 0142            | 1.3F       | <b>17</b><br>Sa       | 0054      | 0432            | 2.4E       | <b>29</b><br>Th                                                       | 0703      | 0250            | 2.8E       |
|                        | 1157      | 0804            | 1.7E       |                       | 0834      | 1130            | 1.9F       |                                                                       | 1355      | 1007            | 2.4F       |
|                        | 1828      | 1503            | 1.7F       |                       | 1523      | 1736            | 1.0E       |                                                                       | 1849      | 1605            | 1.0E       |
|                        |           | 2121            | 1.5E       |                       | 2021      | 2320            | 1.6F       |                                                                       |           | 2129            | 1.6F       |
| <b>6</b><br>Tu         | 0028      | 0246            | 1.3F       | <b>18</b><br>Su       | 0145      | 0519            | 2.3E       | <b>30</b><br>F                                                        | 0007      | 0341            | 2.6E       |
|                        | 0605      | 0908            | 1.5E       |                       | 0916      | 1215            | 1.9F       |                                                                       | 0756      | 1059            | 2.2F       |
|                        | 1247      | 1552            | 1.7F       |                       | 1601      | 1826            | 1.1E       |                                                                       | 1444      | 1700            | 1.1E       |
|                        | 1909      | 2210            | 1.7E       |                       | 2120      |                 |            |                                                                       | 1953      | 2224            | 1.5F       |
| <b>7</b><br>W          | 0125      | 0353            | 1.4F       | <b>19</b><br>M        | 0242      | 0014            | 1.6F       | <b>31</b><br>Sa                                                       | 0105      | 0433            | 2.3E       |
|                        | 0716      | 1008            | 1.4E       |                       | 1001      | 0613            | 2.1E       |                                                                       | 0846      | 1148            | 2.1F       |
|                        | 1335      | 1635            | 1.6F       |                       | 1640      | 1302            | 1.9F       |                                                                       | 1530      | 1757            | 1.2E       |
|                        | 1948      | 2254            | 1.9E       |                       | 2220      | 1917            | 1.3E       |                                                                       | 2058      | 2320            | 1.4F       |
| <b>8</b><br>Th         | 0218      | 0500            | 1.5F       | <b>20</b><br>Tu       | 0346      | 0110            | 1.6F       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.            |           |                 |            |
|                        | 0818      | 1102            | 1.3E       |                       | 1051      | 0711            | 2.0E       |                                                                       |           |                 |            |
|                        | 1421      | 1713            | 1.6F       |                       | 1720      | 1351            | 1.9F       |                                                                       |           |                 |            |
|                        | 2025      | 2335            | 2.0E       |                       | 2320      | 2008            | 1.5E       |                                                                       |           |                 |            |
| <b>9</b><br>F          | 0308      | 0556            | 1.6F       | <b>21</b><br>W        | 0458      | 0207            | 1.7F       |                                                                       |           |                 |            |
|                        | 0916      | 1151            | 1.2E       |                       | 1143      | 0811            | 1.9E       |                                                                       |           |                 |            |
|                        | 1504      | 1748            | 1.5F       |                       | 1800      | 1440            | 1.8F       |                                                                       |           |                 |            |
|                        | 2059      |                 |            |                       | 2057      | 2057            | 1.7E       |                                                                       |           |                 |            |
| <b>10</b><br>Sa        | 0354      | 0012            | 2.1E       | <b>22</b><br>Th       | 0019      | 0306            | 1.8F       | <b>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST. |           |                 |            |
|                        | 1009      | 0643            | 1.7F       |                       | 0615      | 0911            | 1.8E       |                                                                       |           |                 |            |
|                        | 1544      | 1236            | 1.1E       |                       | 1237      | 1531            | 1.8F       |                                                                       |           |                 |            |
|                        | 2130      | 1823            | 1.5F       |                       | 1841      | 2146            | 2.0E       |                                                                       |           |                 |            |
| <b>11</b><br>Su        | 0438      | 0047            | 2.2E       | <b>23</b><br>F        | 0118      | 0408            | 2.0F       |                                                                       |           |                 |            |
|                        | 1101      | 0725            | 1.8F       |                       | 0730      | 1011            | 1.6E       |                                                                       |           |                 |            |
|                        | 1620      | 1319            | 1.1E       |                       | 1331      | 1623            | 1.8F       |                                                                       |           |                 |            |
|                        | 2159      | 1859            | 1.6F       |                       | 1922      | 2235            | 2.2E       |                                                                       |           |                 |            |
| <b>12</b><br>M         | 0519      | 0121            | 2.3E       | <b>24</b><br>Sa       | 0217      | 0511            | 2.1F       |                                                                       |           |                 |            |
|                        | 1150      | 0806            | 1.9F       |                       | 0842      | 1112            | 1.5E       |                                                                       |           |                 |            |
|                        | 1653      | 1401            | 1.0E       |                       | 1424      | 1714            | 1.8F       |                                                                       |           |                 |            |
|                        | 2227      | 1936            | 1.6F       |                       | 2004      | 2326            | 2.5E       |                                                                       |           |                 |            |

# REEDY POINT, DELAWARE

**JUNE 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

|                     | Time |      | Height |    |                     | Time |      | Height |    |
|---------------------|------|------|--------|----|---------------------|------|------|--------|----|
|                     | Day  | h.m. | ft.    | cm |                     | Day  | h.m. | ft.    | cm |
| <b>1</b><br>Su      | 0349 | 5.9  | 180    |    | <b>13</b><br>F      | 0052 | 6.0  | 183    |    |
|                     | 1055 | 0.5  | 15     |    |                     | 0807 | 0.5  | 15     |    |
|                     | 1634 | 5.2  | 158    |    |                     | 1330 | 4.8  | 146    |    |
|                     | 2257 | 1.0  | 30     |    |                     | 1947 | 0.7  | 21     |    |
| <b>2</b><br>M       | 0446 | 5.7  | 174    |    | <b>14</b><br>Sa     | 0127 | 6.0  | 183    |    |
|                     | 1145 | 0.5  | 15     |    |                     | 0847 | 0.5  | 15     |    |
|                     | 1731 | 5.2  | 158    |    |                     | 1408 | 4.9  | 149    |    |
|                     | 2354 | 1.0  | 30     |    |                     | 2028 | 0.7  | 21     |    |
| <b>3</b><br>Tu<br>☉ | 0544 | 5.5  | 168    |    | <b>15</b><br>Su     | 0206 | 6.0  | 183    |    |
|                     | 1234 | 0.6  | 18     |    |                     | 0927 | 0.6  | 18     |    |
|                     | 1827 | 5.4  | 165    |    |                     | 1449 | 5.1  | 155    |    |
|                     |      |      |        |    |                     | 2113 | 0.7  | 21     |    |
| <b>4</b><br>W       | 0050 | 1.0  | 30     |    | <b>16</b><br>M      | 0251 | 6.0  | 183    |    |
|                     | 0640 | 5.4  | 165    |    |                     | 1009 | 0.5  | 15     |    |
|                     | 1322 | 0.5  | 15     |    |                     | 1534 | 5.2  | 158    |    |
|                     | 1921 | 5.5  | 168    |    |                     | 2205 | 0.8  | 24     |    |
| <b>5</b><br>Th      | 0146 | 1.0  | 30     |    | <b>17</b><br>Tu     | 0341 | 6.0  | 183    |    |
|                     | 0736 | 5.3  | 162    |    |                     | 1054 | 0.5  | 15     |    |
|                     | 1409 | 0.5  | 15     |    |                     | 1625 | 5.4  | 165    |    |
|                     | 2012 | 5.7  | 174    |    |                     | 2303 | 0.8  | 24     |    |
| <b>6</b><br>F       | 0241 | 0.8  | 24     |    | <b>18</b><br>W<br>☉ | 0437 | 5.8  | 177    |    |
|                     | 0829 | 5.2  | 158    |    |                     | 1142 | 0.5  | 15     |    |
|                     | 1455 | 0.5  | 15     |    |                     | 1721 | 5.6  | 171    |    |
|                     | 2100 | 5.9  | 180    |    |                     |      |      |        |    |
| <b>7</b><br>Sa      | 0334 | 0.7  | 21     |    | <b>19</b><br>Th     | 0007 | 0.8  | 24     |    |
|                     | 0919 | 5.2  | 158    |    |                     | 0538 | 5.7  | 174    |    |
|                     | 1539 | 0.5  | 15     |    |                     | 1234 | 0.4  | 12     |    |
|                     | 2145 | 6.0  | 183    |    |                     | 1820 | 5.8  | 177    |    |
| <b>8</b><br>Su      | 0425 | 0.6  | 18     |    | <b>20</b><br>F      | 0113 | 0.8  | 24     |    |
|                     | 1006 | 5.1  | 155    |    |                     | 0643 | 5.5  | 168    |    |
|                     | 1623 | 0.6  | 18     |    |                     | 1328 | 0.4  | 12     |    |
|                     | 2227 | 6.1  | 186    |    |                     | 1921 | 6.1  | 186    |    |
| <b>9</b><br>M       | 0514 | 0.5  | 15     |    | <b>21</b><br>Sa     | 0219 | 0.7  | 21     |    |
|                     | 1051 | 5.0  | 152    |    |                     | 0748 | 5.4  | 165    |    |
|                     | 1706 | 0.6  | 18     |    |                     | 1425 | 0.4  | 12     |    |
|                     | 2306 | 6.1  | 186    |    |                     | 2020 | 6.3  | 192    |    |
| <b>10</b><br>Tu     | 0600 | 0.4  | 12     |    | <b>22</b><br>Su     | 0324 | 0.6  | 18     |    |
|                     | 1134 | 5.0  | 152    |    |                     | 0851 | 5.3  | 162    |    |
|                     | 1748 | 0.7  | 21     |    |                     | 1523 | 0.4  | 12     |    |
|                     | 2343 | 6.1  | 186    |    |                     | 2118 | 6.5  | 198    |    |
| <b>11</b><br>W<br>☉ | 0644 | 0.4  | 12     |    | <b>23</b><br>M      | 0426 | 0.5  | 15     |    |
|                     | 1214 | 4.9  | 149    |    |                     | 0950 | 5.3  | 162    |    |
|                     | 1828 | 0.7  | 21     |    |                     | 1622 | 0.4  | 12     |    |
|                     |      |      |        |    |                     | 2213 | 6.6  | 201    |    |
| <b>12</b><br>Th     | 0018 | 6.0  | 183    |    | <b>24</b><br>Tu     | 0525 | 0.4  | 12     |    |
|                     | 0726 | 0.5  | 15     |    |                     | 1047 | 5.3  | 162    |    |
|                     | 1253 | 4.8  | 146    |    |                     | 1719 | 0.5  | 15     |    |
|                     | 1907 | 0.7  | 21     |    |                     | 2307 | 6.6  | 201    |    |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean low water which is the chart datum of soundings.

**DAYLIGHT SAVING TIME**  
 Times ARE adjusted for DST.



# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**JUNE 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0209      | 0528            | 2.0E       | <b>13</b>             | 0655      | 0246            | 2.5E       | <b>25</b>   | 0506      | 0048            | 2.9E       |
|                        | 0935      | 1236            | 1.9F       |                       | 0946      | 0946            | 2.0F       |             | 0809      | 0809            | 2.3F       |
| Su                     | 1614      | 1856            | 1.3E       | F                     | 1343      | 1548            | 0.9E       | W           | 1153      | 1358            | 0.9E       |
|                        | 2202      |                 |            |                       | 1825      | 2121            | 1.6F       |             | 1637      | 1922            | 1.7F       |
|                        |           | 0019            | 1.4F       |                       | 2351      |                 |            |             | 2206      |                 |            |
| <b>2</b>               | 0317      | 0628            | 1.7E       | <b>14</b>             | 0731      | 0327            | 2.5E       | <b>26</b>   | 0557      | 0141            | 2.8E       |
|                        | 1023      | 1321            | 1.8F       |                       | 1025      | 1025            | 2.0F       |             | 0903      | 0903            | 2.3F       |
| M                      | 1656      | 1950            | 1.5E       | Sa                    | 1417      | 1629            | 1.0E       | Th          | 1242      | 1455            | 1.0E       |
|                        | 2303      |                 |            |                       | 1915      | 2210            | 1.6F       |             | 1737      | 2016            | 1.7F       |
|                        |           | 0119            | 1.3F       |                       | 0039      | 0411            | 2.4E       |             | 2301      |                 |            |
| <b>3</b>               | 0430      | 0730            | 1.5E       | <b>15</b>             | 0809      | 1105            | 2.0F       | <b>27</b>   | 0645      | 0233            | 2.6E       |
|                        | 1110      | 1404            | 1.7F       |                       | 1449      | 1711            | 1.1E       |             | 1327      | 0950            | 2.2F       |
| Tu                     | 1738      | 2040            | 1.7E       | Su                    | 2008      | 2301            | 1.6F       | F           | 1837      | 1546            | 1.2E       |
|                        |           |                 |            |                       | 0132      | 0459            | 2.2E       |             | 2358      | 2111            | 1.6F       |
| <b>4</b>               | 0001      | 0220            | 1.3F       | <b>16</b>             | 0849      | 1148            | 1.9F       | <b>28</b>   | 0731      | 0323            | 2.4E       |
|                        | 0542      | 0830            | 1.3E       |                       | 1522      | 1756            | 1.3E       |             | 1408      | 1032            | 2.1F       |
| W                      | 1157      | 1447            | 1.6F       | M                     | 2104      | 2354            | 1.7F       | Sa          | 1937      | 1635            | 1.3E       |
|                        | 1819      | 2125            | 1.8E       |                       | 0231      | 0551            | 2.0E       |             | 2205      | 2205            | 1.6F       |
| <b>5</b>               | 0056      | 0322            | 1.4F       | <b>17</b>             | 0933      | 1233            | 1.9F       | <b>29</b>   | 0056      | 0411            | 2.1E       |
|                        | 0651      | 0926            | 1.2E       |                       | 1557      | 1845            | 1.5E       |             | 0814      | 1111            | 2.0F       |
| Th                     | 1242      | 1530            | 1.6F       | Tu                    | 2201      |                 |            | Su          | 1447      | 1723            | 1.4E       |
|                        | 1857      | 2208            | 2.0E       |                       | 0049      | 0049            | 1.7F       |             | 2036      | 2259            | 1.5F       |
| <b>6</b>               | 0148      | 0427            | 1.4F       | <b>18</b>             | 0337      | 0649            | 1.9E       | <b>30</b>   | 0155      | 0501            | 1.9E       |
|                        | 0755      | 1021            | 1.1E       |                       | 1020      | 1320            | 1.9F       |             | 0856      | 1151            | 1.9F       |
| F                      | 1326      | 1614            | 1.5F       | W                     | 1634      | 1934            | 1.7E       | M           | 1526      | 1812            | 1.5E       |
|                        | 1933      | 2250            | 2.1E       |                       | 2300      |                 |            |             | 2134      | 2353            | 1.4F       |
| <b>7</b>               | 0239      | 0530            | 1.6F       | <b>19</b>             | 0450      | 0147            | 1.8F       |             |           |                 |            |
|                        | 0856      | 1113            | 1.0E       |                       | 1109      | 0749            | 1.7E       |             |           |                 |            |
| Sa                     | 1410      | 1657            | 1.5F       | Th                    | 1713      | 1408            | 1.9F       |             |           |                 |            |
|                        | 2008      | 2330            | 2.2E       |                       | 0002      | 2025            | 2.0E       |             |           |                 |            |
| <b>8</b>               | 0328      | 0623            | 1.7F       | <b>20</b>             | 0609      | 0247            | 1.8F       |             |           |                 |            |
|                        | 0954      | 1204            | 0.9E       |                       | 1159      | 0849            | 1.5E       |             |           |                 |            |
| Su                     | 1452      | 1739            | 1.5F       | F                     | 1756      | 1457            | 1.8F       |             |           |                 |            |
|                        | 2041      |                 |            |                       | 0105      | 2115            | 2.2E       |             |           |                 |            |
| <b>9</b>               |           | 0009            | 2.4E       | <b>21</b>             | 0727      | 0351            | 1.9F       |             |           |                 |            |
|                        | 0414      | 0709            | 1.8F       |                       | 1250      | 0951            | 1.3E       |             |           |                 |            |
| M                      | 1049      | 1252            | 0.8E       | Sa                    | 1842      | 1549            | 1.8F       |             |           |                 |            |
|                        | 1533      | 1822            | 1.6F       |                       | 0208      | 2208            | 2.5E       |             |           |                 |            |
|                        | 2114      |                 |            | <b>22</b>             | 0842      | 0459            | 2.0F       |             |           |                 |            |
| <b>10</b>              | 0458      | 0752            | 1.9F       |                       | 1343      | 1053            | 1.1E       |             |           |                 |            |
|                        | 1140      | 1339            | 0.8E       | Su                    | 1929      | 1643            | 1.8F       |             |           |                 |            |
| Tu                     | 1614      | 1904            | 1.6F       |                       | 0311      | 2301            | 2.7E       |             |           |                 |            |
|                        | 2149      |                 |            | <b>23</b>             | 0952      | 0607            | 2.1F       |             |           |                 |            |
| <b>11</b>              | 0539      | 0831            | 1.9F       |                       | 1438      | 1156            | 1.0E       |             |           |                 |            |
|                        | 1226      | 1425            | 0.8E       | M                     | 2019      | 1736            | 1.8F       |             |           |                 |            |
| W                      | 1655      | 1948            | 1.6F       |                       | 0410      | 2355            | 2.8E       |             |           |                 |            |
|                        | 2226      |                 |            | <b>24</b>             | 1056      | 0710            | 2.2F       |             |           |                 |            |
| <b>12</b>              | 0618      | 0909            | 1.9F       |                       | 1537      | 1257            | 0.9E       |             |           |                 |            |
|                        | 1307      | 1507            | 0.8E       | Tu                    | 2112      | 1829            | 1.8F       |             |           |                 |            |
| Th                     | 1739      | 2034            | 1.6F       |                       |           |                 |            |             |           |                 |            |
|                        | 2306      |                 |            |                       |           |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

**Times ARE adjusted for DST.**

# REEDY POINT, DELAWARE

**JULY 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

|           |         | Time |      | Height    |         |     |      | Time      |         | Height |     |
|-----------|---------|------|------|-----------|---------|-----|------|-----------|---------|--------|-----|
| Day       | h.m.    | ft.  | cm   | Day       | h.m.    | ft. | cm   | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0413    | 5.7  | 174  | <b>13</b> | 0111    | 6.2 | 189  | <b>25</b> | 0653    | 0.3    | 9   |
|           | 1105    | 0.5  | 15   |           | 0823    | 0.4 | 12   |           | 1219    | 5.4    | 165 |
|           | Tu 1654 | 5.4  | 165  |           | Su 1344 | 5.2 | 158  |           | F 1850  | 0.6    | 18  |
|           | 2320    | 1.0  | 30   |           | 2016    | 0.6 | 18   |           |         |        |     |
| <b>2</b>  | 0505    | 5.5  | 168  | <b>14</b> | 0152    | 6.2 | 189  | <b>26</b> | 0035    | 6.3    | 192 |
|           | 1149    | 0.6  | 18   |           | 0902    | 0.4 | 12   |           | 0739    | 0.3    | 9   |
|           | W 1746  | 5.5  | 168  |           | M 1426  | 5.4 | 165  |           | Sa 1308 | 5.4    | 165 |
| ●         |         |      | 2103 |           | 0.6     | 18  | 1938 |           | 0.6     | 18     |     |
| <b>3</b>  | 0013    | 1.1  | 34   | <b>15</b> | 0236    | 6.1 | 186  | <b>27</b> | 0121    | 6.2    | 189 |
|           | 0558    | 5.3  | 162  |           | 0943    | 0.4 | 12   |           | 0822    | 0.3    | 9   |
|           | Th 1234 | 0.6  | 18   |           | Tu 1511 | 5.6 | 171  |           | Su 1355 | 5.5    | 168 |
|           | 1838    | 5.6  | 171  |           | 2154    | 0.7 | 21   |           | 2024    | 0.7    | 21  |
| <b>4</b>  | 0108    | 1.1  | 34   | <b>16</b> | 0325    | 6.0 | 183  | <b>28</b> | 0206    | 6.0    | 183 |
|           | 0654    | 5.1  | 155  |           | 1026    | 0.4 | 12   |           | 0903    | 0.4    | 12  |
|           | F 1320  | 0.6  | 18   |           | W 1601  | 5.8 | 177  |           | M 1441  | 5.5    | 168 |
|           | 1929    | 5.7  | 174  |           | 2251    | 0.8 | 24   |           | 2109    | 0.8    | 24  |
| <b>5</b>  | 0204    | 1.0  | 30   | <b>17</b> | 0419    | 5.8 | 177  | <b>29</b> | 0251    | 5.8    | 177 |
|           | 0749    | 5.0  | 152  |           | 1113    | 0.4 | 12   |           | 0942    | 0.5    | 15  |
|           | Sa 1407 | 0.7  | 21   |           | Th 1655 | 5.9 | 180  |           | Tu 1526 | 5.5    | 168 |
|           | 2019    | 5.8  | 177  |           | 2354    | 0.9 | 27   |           | 2156    | 1.0    | 30  |
| <b>6</b>  | 0259    | 0.9  | 27   | <b>18</b> | 0518    | 5.6 | 171  | <b>30</b> | 0336    | 5.6    | 171 |
|           | 0843    | 4.9  | 149  |           | F 1205  | 0.5 | 15   |           | 1021    | 0.6    | 18  |
|           | Su 1455 | 0.7  | 21   |           | ● 1755  | 6.0 | 183  |           | W 1612  | 5.5    | 168 |
|           | 2108    | 5.9  | 180  |           |         |     |      |           | 2244    | 1.1    | 34  |
| <b>7</b>  | 0353    | 0.7  | 21   | <b>19</b> | 0059    | 0.9 | 27   | <b>31</b> | 0424    | 5.4    | 165 |
|           | 0934    | 4.9  | 149  |           | 0623    | 5.3 | 162  |           | 1101    | 0.7    | 21  |
|           | M 1544  | 0.7  | 21   |           | Sa 1302 | 0.5 | 15   |           | Th 1659 | 5.6    | 171 |
|           | 2153    | 6.0  | 183  |           | 1858    | 6.1 | 186  |           | 2335    | 1.1    | 34  |
| <b>8</b>  | 0444    | 0.6  | 18   | <b>20</b> | 0206    | 0.9 | 27   |           |         |        |     |
|           | 1022    | 4.9  | 149  |           | 0730    | 5.2 | 158  |           |         |        |     |
|           | Tu 1632 | 0.7  | 21   |           | Su 1403 | 0.6 | 18   |           |         |        |     |
|           | 2236    | 6.0  | 183  |           | 2002    | 6.2 | 189  |           |         |        |     |
| <b>9</b>  | 0533    | 0.5  | 15   | <b>21</b> | 0311    | 0.8 | 24   |           |         |        |     |
|           | 1106    | 4.9  | 149  |           | 0836    | 5.1 | 155  |           |         |        |     |
|           | W 1719  | 0.7  | 21   |           | M 1505  | 0.6 | 18   |           |         |        |     |
|           | 2316    | 6.1  | 186  |           | 2103    | 6.3 | 192  |           |         |        |     |
| <b>10</b> | 0618    | 0.5  | 15   | <b>22</b> | 0413    | 0.7 | 21   |           |         |        |     |
|           | 1148    | 4.9  | 149  |           | 0937    | 5.2 | 158  |           |         |        |     |
|           | Th 1804 | 0.6  | 18   |           | Tu 1606 | 0.6 | 18   |           |         |        |     |
|           | ○ 2355  | 6.1  | 186  |           | 2201    | 6.4 | 195  |           |         |        |     |
| <b>11</b> | 0701    | 0.4  | 12   | <b>23</b> | 0511    | 0.5 | 15   |           |         |        |     |
|           | 1227    | 5.0  | 152  |           | 1034    | 5.2 | 158  |           |         |        |     |
|           | F 1848  | 0.6  | 18   |           | W 1704  | 0.6 | 18   |           |         |        |     |
|           |         |      |      |           | 2256    | 6.4 | 195  |           |         |        |     |
| <b>12</b> | 0032    | 6.1  | 186  | <b>24</b> | 0604    | 0.4 | 12   |           |         |        |     |
|           | 0743    | 0.4  | 12   |           | 1128    | 5.3 | 162  |           |         |        |     |
|           | Sa 1306 | 5.1  | 155  |           | Th 1759 | 0.5 | 15   |           |         |        |     |
|           | 1932    | 0.6  | 18   |           | ● 2347  | 6.4 | 195  |           |         |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean  
 lower low water which is the  
 chart datum of soundings.

### DAYLIGHT SAVING TIME

Times ARE adjusted  
for DST.

# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**JULY 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |      |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |      |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |      |
| <b>1</b>               | 0257      | 0553            | 1.6E       | <b>13</b>             | 0708      | 0309            | 2.4E       | <b>25</b>   |           | 0128            | 2.5E       |      |
|                        | 0937      | 1231            | 1.8F       |                       | 0708      | 0958            | 2.0F       |             | 0540      | 0845            | 2.1F       |      |
| Tu                     | 1604      | 1901            | 1.6E       | Su                    | 1337      | 1601            | 1.2E       | F           | 1210      | 1436            | 1.2E       |      |
|                        | 2231      |                 |            |                       | 1859      | 2152            | 1.8F       |             | 1727      | 2002            | 1.7F       |      |
|                        |           | 0049            | 1.4F       |                       |           |                 |            |             | 2259      |                 |            |      |
| <b>2</b>               | 0402      | 0650            | 1.4E       | <b>14</b>             | 0033      | 0354            | 2.3E       | <b>26</b>   |           | 0218            | 2.3E       |      |
|                        | 1018      | 1312            | 1.7F       |                       | 0745      | 1037            | 2.0F       |             | 0622      | 0922            | 2.1F       |      |
| W                      | 1643      | 1949            | 1.8E       | M                     | 1407      | 1641            | 1.4E       | Sa          | 1248      | 1521            | 1.4E       |      |
|                        | 2326      |                 |            |                       | 1949      | 2242            | 1.8F       |             | 1822      | 2054            | 1.7F       |      |
|                        |           | 0145            | 1.3F       |                       |           |                 |            |             | 2354      |                 |            |      |
| <b>3</b>               | 0511      | 0747            | 1.2E       | <b>15</b>             | 0127      | 0441            | 2.1E       | <b>27</b>   |           | 0305            | 2.1E       |      |
|                        | 1101      | 1354            | 1.7F       |                       | 0825      | 1119            | 1.9F       |             | 0701      | 0956            | 2.0F       |      |
| Th                     | 1722      | 2034            | 1.9E       | Tu                    | 1438      | 1724            | 1.6E       | Su          | 1324      | 1602            | 1.6E       |      |
|                        |           |                 |            |                       | 2043      | 2335            | 1.8F       |             | 1915      | 2145            | 1.6F       |      |
| <b>4</b>               | 0021      | 0244            | 1.3F       | <b>16</b>             | 0227      | 0533            | 1.9E       | <b>28</b>   |           | 0047            | 0349       | 1.9E |
|                        | 0621      | 0844            | 1.0E       |                       | 0907      | 1203            | 1.9F       |             | 0738      | 1030            | 1.9F       |      |
| F                      | 1144      | 1438            | 1.6F       | W                     | 1512      | 1811            | 1.8E       | M           | 1359      | 1642            | 1.6E       |      |
|                        | 1800      | 2119            | 2.0E       |                       | 2142      |                 |            |             | 2007      | 2234            | 1.6F       |      |
| <b>5</b>               | 0114      | 0347            | 1.4F       | <b>17</b>             |           | 0031            | 1.8F       | <b>29</b>   |           | 0139            | 0433       | 1.7E |
|                        | 0729      | 0940            | 0.9E       |                       | 0334      | 0630            | 1.7E       |             | 0813      | 1105            | 1.9F       |      |
| Sa                     | 1228      | 1524            | 1.6F       | Th                    | 0951      | 1250            | 1.9F       | Tu          | 1434      | 1723            | 1.7E       |      |
|                        | 1838      | 2203            | 2.2E       |                       | 1550      | 1902            | 1.9E       |             | 2059      | 2323            | 1.5F       |      |
|                        |           | 0456            | 1.5F       | <b>18</b>             |           | 0130            | 1.8F       | <b>30</b>   |           | 0233            | 0519       | 1.5E |
| <b>6</b>               | 0207      | 0456            | 1.5F       |                       | 0450      | 0731            | 1.4E       |             | 0848      | 1144            | 1.8F       |      |
|                        | 0834      | 1036            | 0.8E       | F                     | 1037      | 1338            | 1.8F       | W           | 1508      | 1806            | 1.8E       |      |
| Su                     | 1313      | 1612            | 1.6F       |                       | 1632      | 1956            | 2.2E       |             | 2151      |                 |            |      |
|                        | 1917      | 2248            | 2.3E       | <b>19</b>             |           | 0233            | 1.8F       | <b>31</b>   |           | 0015            | 1.4F       |      |
| <b>7</b>               | 0259      | 0559            | 1.6F       |                       | 0612      | 0833            | 1.2E       |             | 0332      | 0610            | 1.3E       |      |
|                        | 0935      | 1132            | 0.7E       | Sa                    | 1125      | 1428            | 1.8F       | Th          | 0925      | 1224            | 1.7F       |      |
| M                      | 1401      | 1700            | 1.6F       |                       | 1720      | 2051            | 2.4E       |             | 1543      | 1853            | 1.9E       |      |
|                        | 1956      | 2333            | 2.4E       | <b>20</b>             |           | 0058            | 1.8F       |             | 2245      |                 |            |      |
| <b>8</b>               | 0347      | 0648            | 1.8F       |                       | 0731      | 0937            | 1.0E       |             |           |                 |            |      |
|                        | 1030      | 1225            | 0.7E       | Su                    | 1218      | 1521            | 1.7F       |             |           |                 |            |      |
| Tu                     | 1452      | 1749            | 1.6F       |                       | 1812      | 2147            | 2.5E       |             |           |                 |            |      |
|                        | 2038      |                 |            | <b>21</b>             |           | 0203            | 0458       | 1.9F        |           |                 |            |      |
| <b>9</b>               |           | 0016            | 2.5E       |                       | 0843      | 1042            | 0.8E       |             |           |                 |            |      |
|                        | 0433      | 0730            | 1.9F       | M                     | 1316      | 1618            | 1.7F       |             |           |                 |            |      |
| W                      | 1118      | 1315            | 0.7E       |                       | 1908      | 2244            | 2.6E       |             |           |                 |            |      |
|                        | 1544      | 1837            | 1.6F       | <b>22</b>             |           | 0305            | 0610       | 2.0F        |           |                 |            |      |
|                        | 2122      |                 |            |                       | 0948      | 1147            | 0.8E       |             |           |                 |            |      |
| <b>10</b>              |           | 0059            | 2.6E       | Tu                    | 1420      | 1716            | 1.7F       |             |           |                 |            |      |
|                        | 0515      | 0807            | 1.9F       |                       | 2005      | 2341            | 2.7E       |             |           |                 |            |      |
| Th                     | 1159      | 1401            | 0.8E       | <b>23</b>             |           | 0402            | 0710       | 2.1F        |           |                 |            |      |
|                        | 1634      | 1925            | 1.7F       |                       | 1042      | 1248            | 0.9E       |             |           |                 |            |      |
|                        | 2207      |                 |            | W                     | 1526      | 1813            | 1.7F       |             |           |                 |            |      |
| <b>11</b>              |           | 0142            | 2.5E       |                       | 2104      |                 |            |             |           |                 |            |      |
|                        | 0554      | 0843            | 2.0F       | <b>24</b>             |           | 0036            | 2.6E       |             |           |                 |            |      |
| F                      | 1235      | 1444            | 0.9E       |                       | 0453      | 0801            | 2.2F       |             |           |                 |            |      |
|                        | 1723      | 2013            | 1.7F       | Th                    | 1129      | 1345            | 1.1E       |             |           |                 |            |      |
|                        | 2254      |                 |            |                       | 1629      | 1908            | 1.7F       |             |           |                 |            |      |
| <b>12</b>              |           | 0226            | 2.5E       |                       | 2203      |                 |            |             |           |                 |            |      |
|                        | 0631      | 0920            | 2.0F       |                       |           |                 |            |             |           |                 |            |      |
| Sa                     | 1307      | 1523            | 1.1E       |                       |           |                 |            |             |           |                 |            |      |
|                        | 1810      | 2102            | 1.7F       |                       |           |                 |            |             |           |                 |            |      |
|                        | 2342      |                 |            |                       |           |                 |            |             |           |                 |            |      |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# REEDY POINT, DELAWARE

**AUGUST 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

|           |      | Height |     |           |      | Height |     |           |      | Height |     |
|-----------|------|--------|-----|-----------|------|--------|-----|-----------|------|--------|-----|
| Time      | Day  | ft.    | cm  | Time      | Day  | ft.    | cm  | Time      | Day  | ft.    | cm  |
| h.m.      |      |        |     | h.m.      |      |        |     | h.m.      |      |        |     |
| <b>1</b>  | 0516 | 5.2    | 158 | <b>13</b> | 0219 | 6.2    | 189 | <b>25</b> | 0057 | 6.1    | 186 |
|           | 1143 | 0.7    | 21  |           | 0915 | 0.3    | 9   |           | 0749 | 0.4    | 12  |
| F         | 1749 | 5.6    | 171 | W         | 1447 | 6.1    | 186 | M         | 1326 | 5.7    | 174 |
| ☉         |      |        |     |           | 2143 | 0.6    | 18  |           | 1959 | 0.7    | 21  |
| <b>2</b>  | 0029 | 1.2    | 37  | <b>14</b> | 0308 | 5.9    | 180 | <b>26</b> | 0138 | 5.9    | 180 |
|           | 0611 | 5.0    | 152 |           | 0959 | 0.4    | 12  |           | 0826 | 0.5    | 15  |
| Sa        | 1229 | 0.8    | 24  | Th        | 1537 | 6.2    | 189 | Tu        | 1406 | 5.7    | 174 |
|           | 1841 | 5.6    | 171 |           | 2240 | 0.8    | 24  |           | 2042 | 0.9    | 27  |
| <b>3</b>  | 0126 | 1.1    | 34  | <b>15</b> | 0403 | 5.7    | 174 | <b>27</b> | 0218 | 5.7    | 174 |
|           | 0708 | 4.9    | 149 |           | 1048 | 0.5    | 15  |           | 0900 | 0.6    | 18  |
| Su        | 1319 | 0.9    | 27  | F         | 1633 | 6.2    | 189 | W         | 1446 | 5.7    | 174 |
|           | 1935 | 5.7    | 174 |           | 2343 | 1.0    | 30  |           | 2124 | 1.0    | 30  |
| <b>4</b>  | 0223 | 1.0    | 30  | <b>16</b> | 0503 | 5.4    | 165 | <b>28</b> | 0300 | 5.5    | 168 |
|           | 0806 | 4.8    | 146 |           | 1144 | 0.7    | 21  |           | 0934 | 0.7    | 21  |
| M         | 1412 | 0.9    | 27  | Sa        | 1734 | 6.1    | 186 | Th        | 1527 | 5.7    | 174 |
|           | 2028 | 5.8    | 177 | ☉         |      |        |     |           | 2209 | 1.1    | 34  |
| <b>5</b>  | 0319 | 0.9    | 27  | <b>17</b> | 0048 | 1.0    | 30  | <b>29</b> | 0345 | 5.3    | 162 |
|           | 0900 | 4.8    | 146 |           | 0610 | 5.2    | 158 |           | 1010 | 0.8    | 24  |
| Tu        | 1506 | 0.8    | 24  | Su        | 1245 | 0.8    | 24  | F         | 1609 | 5.7    | 174 |
|           | 2118 | 5.9    | 180 |           | 1841 | 6.1    | 186 |           | 2257 | 1.2    | 37  |
| <b>6</b>  | 0412 | 0.8    | 24  | <b>18</b> | 0154 | 1.0    | 30  | <b>30</b> | 0434 | 5.1    | 155 |
|           | 0950 | 4.9    | 149 |           | 0719 | 5.1    | 155 |           | 1050 | 0.9    | 27  |
| W         | 1600 | 0.7    | 21  | M         | 1349 | 0.8    | 24  | Sa        | 1656 | 5.6    | 171 |
|           | 2205 | 6.0    | 183 |           | 1949 | 6.1    | 186 |           | 2350 | 1.3    | 40  |
| <b>7</b>  | 0502 | 0.6    | 18  | <b>19</b> | 0257 | 0.9    | 27  | <b>31</b> | 0528 | 4.9    | 149 |
|           | 1036 | 5.0    | 152 |           | 0825 | 5.1    | 155 |           | 1137 | 1.0    | 30  |
| Th        | 1651 | 0.6    | 18  | Tu        | 1453 | 0.8    | 24  | Su        | 1748 | 5.6    | 171 |
|           | 2249 | 6.2    | 189 |           | 2053 | 6.2    | 189 | ☉         |      |        |     |
| <b>8</b>  | 0548 | 0.5    | 15  | <b>20</b> | 0357 | 0.8    | 24  |           |      |        |     |
|           | 1119 | 5.2    | 158 |           | 0926 | 5.2    | 158 |           |      |        |     |
| F         | 1740 | 0.5    | 15  | W         | 1553 | 0.7    | 21  |           |      |        |     |
|           | 2331 | 6.3    | 192 |           | 2151 | 6.3    | 192 |           |      |        |     |
| <b>9</b>  | 0632 | 0.4    | 12  | <b>21</b> | 0452 | 0.6    | 18  |           |      |        |     |
|           | 1159 | 5.3    | 162 |           | 1022 | 5.4    | 165 |           |      |        |     |
| Sa        | 1828 | 0.4    | 12  | Th        | 1650 | 0.6    | 18  |           |      |        |     |
| ☉         |      |        |     |           | 2244 | 6.3    | 192 |           |      |        |     |
| <b>10</b> | 0011 | 6.3    | 192 | <b>22</b> | 0542 | 0.5    | 15  |           |      |        |     |
|           | 0714 | 0.3    | 9   |           | 1112 | 5.5    | 168 |           |      |        |     |
| Su        | 1238 | 5.5    | 168 | F         | 1742 | 0.6    | 18  |           |      |        |     |
|           | 1914 | 0.4    | 12  |           | 2331 | 6.3    | 192 |           |      |        |     |
| <b>11</b> | 0052 | 6.3    | 192 | <b>23</b> | 0628 | 0.4    | 12  |           |      |        |     |
|           | 0754 | 0.3    | 9   |           | 1159 | 5.6    | 171 |           |      |        |     |
| M         | 1319 | 5.7    | 174 | Sa        | 1831 | 0.6    | 18  |           |      |        |     |
|           | 2001 | 0.4    | 12  | ☉         |      |        |     |           |      |        |     |
| <b>12</b> | 0134 | 6.3    | 192 | <b>24</b> | 0015 | 6.2    | 189 |           |      |        |     |
|           | 0834 | 0.3    | 9   |           | 0710 | 0.4    | 12  |           |      |        |     |
| Tu        | 1401 | 5.9    | 180 | Su        | 1244 | 5.7    | 174 |           |      |        |     |
|           | 2050 | 0.5    | 15  |           | 1916 | 0.6    | 18  |           |      |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean low low water which is the chart datum of soundings.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

## AUGUST 2025

## cb1301

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                                                                       |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-----------------------------------------------------------------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water                                                           |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day                                                                   | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>F          |           | 0108            | 1.4F       | <b>13</b><br>W        | 0127      | 0426            | 2.0E       | <b>25</b><br>M                                                        |           | 0246            | 1.9E       |
|                        | 0438      | 0706            | 1.1E       |                       | 0800      | 1050            | 1.9F       |                                                                       | 0629      | 0917            | 1.9F       |
|                        | 1003      | 1308            | 1.7F       |                       | 1353      | 1652            | 1.9E       |                                                                       | 1238      | 1527            | 1.8E       |
|                        | 1619      | 1940            | 2.0E       |                       | 2025      | 2318            | 2.0F       |                                                                       | 1851      | 2124            | 1.7F       |
| <b>2</b><br>Sa         |           | 0205            | 1.3F       | <b>14</b><br>Th       | 0229      | 0517            | 1.7E       | <b>26</b><br>Tu                                                       | 0037      | 0326            | 1.7E       |
|                        | 0549      | 0804            | 0.9E       |                       | 0840      | 1134            | 1.9F       |                                                                       | 0700      | 0949            | 1.8F       |
|                        | 1045      | 1353            | 1.6F       |                       | 1429      | 1739            | 2.0E       |                                                                       | 1309      | 1602            | 1.8E       |
|                        | 1659      | 2028            | 2.1E       |                       | 2127      |                 |            |                                                                       | 1937      | 2209            | 1.6F       |
| <b>3</b><br>Su         | 0036      | 0306            | 1.4F       | <b>15</b><br>F        | 0339      | 0614            | 1.4E       | <b>27</b><br>W                                                        | 0124      | 0406            | 1.6E       |
|                        | 0701      | 0902            | 0.8E       |                       | 0923      | 1221            | 1.8F       |                                                                       | 0731      | 1024            | 1.8F       |
|                        | 1132      | 1441            | 1.6F       |                       | 1510      | 1833            | 2.2E       |                                                                       | 1339      | 1638            | 1.9E       |
|                        | 1742      | 2117            | 2.2E       |                       | 2234      |                 |            |                                                                       | 2023      | 2255            | 1.6F       |
| <b>4</b><br>M          | 0131      | 0413            | 1.4F       | <b>16</b><br>Sa       | 0456      | 0717            | 1.1E       | <b>28</b><br>Th                                                       | 0213      | 0449            | 1.4E       |
|                        | 0806      | 1001            | 0.7E       |                       | 1009      | 1311            | 1.7F       |                                                                       | 0801      | 1101            | 1.8F       |
|                        | 1224      | 1532            | 1.6F       |                       | 1558      | 1931            | 2.3E       |                                                                       | 1409      | 1717            | 1.9E       |
|                        | 1829      | 2207            | 2.3E       |                       | 2343      |                 |            |                                                                       | 2112      | 2343            | 1.5F       |
| <b>5</b><br>Tu         | 0224      | 0520            | 1.6F       | <b>17</b><br>Su       | 0617      | 0823            | 0.9E       | <b>29</b><br>F                                                        | 0308      | 0536            | 1.1E       |
|                        | 0905      | 1059            | 0.7E       |                       | 1102      | 1404            | 1.7F       |                                                                       | 0834      | 1142            | 1.7F       |
|                        | 1322      | 1626            | 1.6F       |                       | 1653      | 2031            | 2.4E       |                                                                       | 1441      | 1800            | 2.0E       |
|                        | 1919      | 2257            | 2.4E       |                       |           |                 |            |                                                                       | 2203      |                 |            |
| <b>6</b><br>W          | 0315      | 0612            | 1.7F       | <b>18</b><br>M        | 0050      | 0340            | 1.7F       | <b>30</b><br>Sa                                                       | 0410      | 0034            | 1.4F       |
|                        | 0955      | 1154            | 0.8E       |                       | 0731      | 0931            | 0.8E       |                                                                       | 0912      | 0629            | 0.9E       |
|                        | 1422      | 1720            | 1.6F       |                       | 1203      | 1500            | 1.6F       |                                                                       | 1518      | 1849            | 2.1E       |
|                        | 2011      | 2346            | 2.5E       |                       | 1755      | 2132            | 2.4E       |                                                                       | 2258      |                 |            |
| <b>7</b><br>Th         | 0402      | 0654            | 1.8F       | <b>19</b><br>Tu       | 0154      | 0505            | 1.8F       | <b>31</b><br>Su                                                       | 0519      | 0129            | 1.4F       |
|                        | 1038      | 1243            | 0.9E       |                       | 0834      | 1038            | 0.8E       |                                                                       | 0956      | 0728            | 0.8E       |
|                        | 1520      | 1813            | 1.7F       |                       | 1311      | 1601            | 1.6F       |                                                                       | 1601      | 1314            | 1.6F       |
|                        | 2103      |                 |            |                       | 1900      | 2234            | 2.4E       |                                                                       | 2354      | 1940            | 2.2E       |
| <b>8</b><br>F          |           | 0033            | 2.5E       | <b>20</b><br>W        | 0253      | 0610            | 1.9F       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.            |           |                 |            |
|                        | 0445      | 0732            | 1.9F       |                       | 0927      | 1140            | 0.9E       |                                                                       |           |                 |            |
|                        | 1116      | 1329            | 1.0E       |                       | 1419      | 1703            | 1.6F       |                                                                       |           |                 |            |
|                        | 1614      | 1904            | 1.8F       |                       | 2004      | 2333            | 2.4E       |                                                                       |           |                 |            |
| <b>9</b><br>Sa         |           | 0120            | 2.5E       | <b>21</b><br>Th       | 0347      | 0700            | 2.0F       |                                                                       |           |                 |            |
|                        | 0525      | 0809            | 1.9F       |                       | 1013      | 1236            | 1.1E       |                                                                       |           |                 |            |
|                        | 1149      | 1411            | 1.2E       |                       | 1524      | 1803            | 1.7F       |                                                                       |           |                 |            |
|                        | 1703      | 1954            | 1.9F       |                       | 2107      |                 |            |                                                                       |           |                 |            |
| <b>10</b><br>Su        |           | 0206            | 2.4E       | <b>22</b><br>F        | 0434      | 0029            | 2.3E       | <b>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST. |           |                 |            |
|                        | 0604      | 0848            | 2.0F       |                       | 0741      | 0741            | 2.0F       |                                                                       |           |                 |            |
|                        | 1220      | 1450            | 1.4E       |                       | 1053      | 1326            | 1.4E       |                                                                       |           |                 |            |
|                        | 1750      | 2043            | 2.0F       |                       | 1623      | 1858            | 1.8F       |                                                                       |           |                 |            |
| <b>11</b><br>M         |           | 0252            | 2.3E       | <b>23</b><br>Sa       | 0517      | 0816            | 2.0F       |                                                                       |           |                 |            |
|                        | 0642      | 0927            | 2.0F       |                       | 1130      | 1411            | 1.5E       |                                                                       |           |                 |            |
|                        | 1250      | 1529            | 1.6E       |                       | 1716      | 1950            | 1.8F       |                                                                       |           |                 |            |
|                        | 1838      | 2133            | 2.0F       |                       | 2300      |                 |            |                                                                       |           |                 |            |
| <b>12</b><br>Tu        | 0031      | 0338            | 2.2E       | <b>24</b><br>Su       | 0554      | 0204            | 2.0E       |                                                                       |           |                 |            |
|                        | 0721      | 1007            | 2.0F       |                       | 0846      | 0846            | 1.9F       |                                                                       |           |                 |            |
|                        | 1320      | 1609            | 1.7E       |                       | 1205      | 1451            | 1.7E       |                                                                       |           |                 |            |
|                        | 1929      | 2224            | 2.0F       |                       | 1805      | 2038            | 1.8F       |                                                                       |           |                 |            |
|                        |           |                 |            | 2350                  |           |                 |            |                                                                       |           |                 |            |

# REEDY POINT, DELAWARE

**SEPTEMBER 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0047    | 1.3    | 40  | <b>13</b> | 0350    | 5.5    | 168 | <b>25</b> | 0148    | 5.5    | 168 |
|           | 0627    | 4.8    | 146 |           | 1028    | 0.7    | 21  |           | 0819    | 0.7    | 21  |
|           | M 1232  | 1.0    | 30  |           | Sa 1614 | 6.3    | 192 |           | Th 1407 | 5.9    | 180 |
|           | 1846    | 5.7    | 174 |           | 2331    | 1.0    | 30  |           | 2056    | 0.9    | 27  |
| <b>2</b>  | 0145    | 1.2    | 37  | <b>14</b> | 0453    | 5.2    | 158 | <b>26</b> | 0228    | 5.3    | 162 |
|           | 0727    | 4.8    | 146 |           | 1128    | 0.9    | 27  |           | 0850    | 0.8    | 24  |
|           | Tu 1332 | 1.0    | 30  |           | Su 1719 | 6.1    | 186 |           | F 1442  | 5.8    | 177 |
|           | 1945    | 5.7    | 174 |           | ●       |        |     |           | 2138    | 1.1    | 34  |
| <b>3</b>  | 0242    | 1.1    | 34  | <b>15</b> | 0035    | 1.1    | 34  | <b>27</b> | 0310    | 5.1    | 155 |
|           | 0823    | 4.9    | 149 |           | 0601    | 5.1    | 155 |           | 0923    | 0.9    | 27  |
|           | W 1431  | 0.9    | 27  |           | M 1232  | 1.0    | 30  |           | Sa 1520 | 5.8    | 177 |
|           | 2041    | 5.9    | 180 |           | 1829    | 6.0    | 183 |           | 2224    | 1.2    | 37  |
| <b>4</b>  | 0336    | 0.9    | 27  | <b>16</b> | 0139    | 1.0    | 30  | <b>28</b> | 0356    | 4.9    | 149 |
|           | 0915    | 5.1    | 155 |           | 0710    | 5.1    | 155 |           | 1003    | 1.0    | 30  |
|           | Th 1529 | 0.8    | 24  |           | Tu 1337 | 1.0    | 30  |           | Su 1603 | 5.7    | 174 |
|           | 2132    | 6.1    | 186 |           | 1938    | 6.0    | 183 |           | 2315    | 1.2    | 37  |
| <b>5</b>  | 0426    | 0.7    | 21  | <b>17</b> | 0240    | 0.9    | 27  | <b>29</b> | 0447    | 4.8    | 146 |
|           | 1002    | 5.3    | 162 |           | 0814    | 5.2    | 158 |           | 1052    | 1.1    | 34  |
|           | F 1624  | 0.6    | 18  |           | W 1439  | 0.9    | 27  |           | M 1655  | 5.6    | 171 |
|           | 2219    | 6.3    | 192 |           | 2042    | 6.0    | 183 |           | ●       |        |     |
| <b>6</b>  | 0514    | 0.5    | 15  | <b>18</b> | 0336    | 0.7    | 21  | <b>30</b> | 0010    | 1.2    | 37  |
|           | 1046    | 5.6    | 171 |           | 0913    | 5.4    | 165 |           | 0545    | 4.7    | 143 |
|           | Sa 1716 | 0.4    | 12  |           | Th 1538 | 0.8    | 24  |           | Tu 1151 | 1.1    | 34  |
|           | 2303    | 6.4    | 195 |           | 2137    | 6.1    | 186 |           | 1756    | 5.6    | 171 |
| <b>7</b>  | 0558    | 0.4    | 12  | <b>19</b> | 0428    | 0.6    | 18  |           |         |        |     |
|           | 1128    | 5.8    | 177 |           | 1005    | 5.6    | 171 |           |         |        |     |
|           | Su 1806 | 0.3    | 9   |           | F 1633  | 0.6    | 18  |           |         |        |     |
|           | ○ 2346  | 6.4    | 195 |           | 2226    | 6.2    | 189 |           |         |        |     |
| <b>8</b>  | 0641    | 0.3    | 9   | <b>20</b> | 0515    | 0.4    | 12  |           |         |        |     |
|           | 1210    | 6.1    | 186 |           | 1053    | 5.8    | 177 |           |         |        |     |
|           | M 1856  | 0.3    | 9   |           | Sa 1723 | 0.6    | 18  |           |         |        |     |
|           |         |        |     |           | 2311    | 6.2    | 189 |           |         |        |     |
| <b>9</b>  | 0029    | 6.4    | 195 | <b>21</b> | 0558    | 0.4    | 12  |           |         |        |     |
|           | 0722    | 0.2    | 6   |           | 1136    | 5.9    | 180 |           |         |        |     |
|           | Tu 1252 | 6.3    | 192 |           | Su 1810 | 0.6    | 18  |           |         |        |     |
|           | 1945    | 0.3    | 9   |           | ● 2352  | 6.1    | 186 |           |         |        |     |
| <b>10</b> | 0114    | 6.3    | 192 | <b>22</b> | 0637    | 0.4    | 12  |           |         |        |     |
|           | 0804    | 0.3    | 9   |           | 1217    | 6.0    | 183 |           |         |        |     |
|           | W 1336  | 6.4    | 195 |           | M 1854  | 0.6    | 18  |           |         |        |     |
|           | 2037    | 0.4    | 12  |           |         |        |     |           |         |        |     |
| <b>11</b> | 0201    | 6.1    | 186 | <b>23</b> | 0031    | 5.9    | 180 |           |         |        |     |
|           | 0848    | 0.4    | 12  |           | 0714    | 0.5    | 15  |           |         |        |     |
|           | Th 1423 | 6.4    | 195 |           | Tu 1255 | 5.9    | 180 |           |         |        |     |
|           | 2131    | 0.6    | 18  |           | 1935    | 0.7    | 21  |           |         |        |     |
| <b>12</b> | 0253    | 5.8    | 177 | <b>24</b> | 0110    | 5.7    | 174 |           |         |        |     |
|           | 0935    | 0.5    | 15  |           | 0747    | 0.6    | 18  |           |         |        |     |
|           | F 1516  | 6.4    | 195 |           | W 1332  | 5.9    | 180 |           |         |        |     |
|           | 2229    | 0.8    | 24  |           | 2016    | 0.8    | 24  |           |         |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

**CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)**  
**SEPTEMBER 2025** **cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               |           | 0226            | 1.4F       | <b>13</b>             |           | 0004            | 2.0F       | <b>25</b>   | 0114      | 0344            | 1.3E       |
| M                      | 0628      | 0827            | 0.7E       | Sa                    | 0345      | 0603            | 1.1E       | Th          | 0652      | 0946            | 1.7F       |
|                        | 1049      | 1405            | 1.6F       |                       | 0859      | 1155            | 1.8F       |             | 1247      | 1559            | 2.1E       |
|                        | 1652      | 2033            | 2.2E       |                       | 1438      | 1808            | 2.4E       |             | 1952      | 2231            | 1.7F       |
|                        |           |                 |            |                       | 2223      |                 |            |             |           |                 |            |
| <b>2</b>               | 0049      | 0326            | 1.4F       | <b>14</b>             |           | 0109            | 1.8F       | <b>26</b>   | 0202      | 0425            | 1.2E       |
| Tu                     | 0728      | 0926            | 0.7E       | Su                    | 0500      | 0709            | 0.9E       | F           | 0720      | 1024            | 1.7F       |
|                        | 1149      | 1459            | 1.6F       |                       | 0952      | 1248            | 1.7F       |             | 1315      | 1636            | 2.2E       |
|                        | 1749      | 2127            | 2.3E       |                       | 1533      | 1910            | 2.3E       |             | 2037      | 2316            | 1.6F       |
|                        |           |                 |            |                       | 2331      |                 |            |             |           |                 |            |
| <b>3</b>               | 0143      | 0426            | 1.5F       | <b>15</b>             |           | 0219            | 1.7F       | <b>27</b>   | 0253      | 0510            | 1.0E       |
| W                      | 0820      | 1023            | 0.8E       | M                     | 0612      | 0818            | 0.8E       | Sa          | 0753      | 1106            | 1.7F       |
|                        | 1254      | 1556            | 1.6F       |                       | 1054      | 1345            | 1.6F       |             | 1349      | 1718            | 2.2E       |
|                        | 1849      | 2221            | 2.3E       |                       | 1637      | 2015            | 2.3E       |             | 2125      |                 |            |
| <b>4</b>               | 0234      | 0521            | 1.6F       | <b>16</b>             |           | 0036            | 1.7F       | <b>28</b>   |           | 0004            | 1.6F       |
| Th                     | 0906      | 1116            | 1.0E       | Tu                    | 0715      | 0925            | 0.9E       | Su          | 0349      | 0600            | 0.9E       |
|                        | 1357      | 1654            | 1.7F       |                       | 1203      | 1445            | 1.6F       |             | 0834      | 1151            | 1.7F       |
|                        | 1949      | 2315            | 2.3E       |                       | 1748      | 2121            | 2.2E       |             | 1430      | 1805            | 2.2E       |
| <b>5</b>               | 0323      | 0608            | 1.7F       | <b>17</b>             |           | 0137            | 1.8F       | <b>29</b>   |           | 0055            | 1.5F       |
| F                      | 0946      | 1205            | 1.1E       | W                     | 0807      | 1029            | 1.0E       | M           | 0447      | 0656            | 0.8E       |
|                        | 1456      | 1749            | 1.9F       |                       | 1313      | 1549            | 1.6F       |             | 0923      | 1241            | 1.7F       |
|                        | 2047      |                 |            |                       | 1901      | 2226            | 2.1E       |             | 1518      | 1857            | 2.2E       |
| <b>6</b>               |           | 0006            | 2.3E       | <b>18</b>             |           | 0232            | 1.8F       | <b>30</b>   |           | 0147            | 1.5F       |
| Sa                     | 0409      | 0650            | 1.8F       | Th                    | 0852      | 1126            | 1.2E       | Tu          | 0545      | 0754            | 0.8E       |
|                        | 1023      | 1250            | 1.3E       |                       | 1418      | 1655            | 1.6F       |             | 1021      | 1334            | 1.6F       |
|                        | 1550      | 1842            | 2.0F       |                       | 2008      | 2328            | 2.0E       |             | 1613      | 1953            | 2.2E       |
|                        | 2144      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>7</b>               |           | 0057            | 2.3E       | <b>19</b>             |           | 0323            | 1.8F       |             |           |                 |            |
| Su                     | 0453      | 0731            | 1.9F       | F                     | 0933      | 1217            | 1.5E       |             |           |                 |            |
|                        | 1057      | 1333            | 1.5E       |                       | 1518      | 1757            | 1.7F       |             |           |                 |            |
|                        | 1640      | 1933            | 2.1F       |                       | 2110      |                 |            |             |           |                 |            |
|                        | 2240      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>               |           | 0146            | 2.3E       | <b>20</b>             |           | 0021            | 1.9E       |             |           |                 |            |
| M                      | 0534      | 0813            | 1.9F       | Sa                    | 0408      | 0709            | 1.8F       |             |           |                 |            |
|                        | 1129      | 1414            | 1.7E       |                       | 1012      | 1301            | 1.6E       |             |           |                 |            |
|                        | 1729      | 2025            | 2.2F       |                       | 1613      | 1850            | 1.8F       |             |           |                 |            |
|                        | 2334      |                 |            |                       | 2207      |                 |            |             |           |                 |            |
| <b>9</b>               |           | 0234            | 2.2E       | <b>21</b>             |           | 0107            | 1.8E       |             |           |                 |            |
| Tu                     | 0614      | 0854            | 1.9F       | Su                    | 0448      | 0738            | 1.8F       |             |           |                 |            |
|                        | 1201      | 1456            | 1.9E       |                       | 1048      | 1342            | 1.8E       |             |           |                 |            |
|                        | 1818      | 2116            | 2.2F       |                       | 1701      | 1938            | 1.8F       |             |           |                 |            |
|                        |           |                 |            |                       | 2257      |                 |            |             |           |                 |            |
| <b>10</b>              | 0031      | 0323            | 2.0E       | <b>22</b>             |           | 0149            | 1.7E       |             |           |                 |            |
| W                      | 0653      | 0937            | 1.9F       | M                     | 0524      | 0807            | 1.8F       |             |           |                 |            |
|                        | 1234      | 1538            | 2.1E       |                       | 1121      | 1418            | 1.9E       |             |           |                 |            |
|                        | 1912      | 2209            | 2.2F       |                       | 1746      | 2023            | 1.8F       |             |           |                 |            |
|                        |           |                 |            |                       | 2344      |                 |            |             |           |                 |            |
| <b>11</b>              | 0130      | 0412            | 1.7E       | <b>23</b>             |           | 0228            | 1.6E       |             |           |                 |            |
| Th                     | 0732      | 1020            | 1.9F       | Tu                    | 0555      | 0837            | 1.7F       |             |           |                 |            |
|                        | 1310      | 1623            | 2.2E       |                       | 1152      | 1452            | 1.9E       |             |           |                 |            |
|                        | 2012      | 2305            | 2.1F       |                       | 1829      | 2105            | 1.8F       |             |           |                 |            |
| <b>12</b>              | 0235      | 0504            | 1.4E       | <b>24</b>             |           | 0029            | 1.5E       |             |           |                 |            |
| F                      | 0814      | 1106            | 1.8F       | W                     | 0624      | 0910            | 1.7F       |             |           |                 |            |
|                        | 1351      | 1712            | 2.3E       |                       | 1220      | 1525            | 2.0E       |             |           |                 |            |
|                        | 2116      |                 |            |                       | 1910      | 2147            | 1.7F       |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
**Times ARE adjusted for DST.**

# REEDY POINT, DELAWARE

**OCTOBER 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

|           |         | Times and Heights of High and Low Waters |     |           |         |     | Times and Heights of High and Low Waters |           |                                                                                                                                                         |      |        |
|-----------|---------|------------------------------------------|-----|-----------|---------|-----|------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|
|           | Time    | Height                                   |     | Time      | Height  |     | Time                                     | Height    |                                                                                                                                                         | Time | Height |
| Day       | h.m.    | ft.                                      | cm  | Day       | h.m.    | ft. | cm                                       | Day       | h.m.                                                                                                                                                    | ft.  | cm     |
| <b>1</b>  | 0107    | 1.2                                      | 37  | <b>13</b> | 0442    | 5.1 | 155                                      | <b>25</b> | 0200                                                                                                                                                    | 4.9  | 149    |
|           | 0645    | 4.8                                      | 146 |           | 1114    | 0.9 | 27                                       |           | 0815                                                                                                                                                    | 0.7  | 21     |
|           | W 1255  | 1.0                                      | 30  |           | M 1705  | 5.9 | 180                                      |           | Sa 1405                                                                                                                                                 | 5.7  | 174    |
|           | 1900    | 5.7                                      | 174 |           | ●       |     |                                          |           | 2113                                                                                                                                                    | 0.8  | 24     |
| <b>2</b>  | 0203    | 1.0                                      | 30  | <b>14</b> | 0018    | 0.9 | 27                                       | <b>26</b> | 0240                                                                                                                                                    | 4.8  | 146    |
|           | 0743    | 5.0                                      | 152 |           | 0549    | 5.0 | 152                                      |           | 0848                                                                                                                                                    | 0.8  | 24     |
|           | Th 1358 | 0.9                                      | 27  |           | Tu 1217 | 0.9 | 27                                       |           | Su 1440                                                                                                                                                 | 5.7  | 174    |
|           | 2001    | 5.8                                      | 177 |           | 1815    | 5.8 | 177                                      |           | 2156                                                                                                                                                    | 0.9  | 27     |
| <b>3</b>  | 0257    | 0.8                                      | 24  | <b>15</b> | 0118    | 0.8 | 24                                       | <b>27</b> | 0322                                                                                                                                                    | 4.7  | 143    |
|           | 0837    | 5.2                                      | 158 |           | 0656    | 5.1 | 155                                      |           | 0929                                                                                                                                                    | 0.8  | 24     |
|           | F 1458  | 0.7                                      | 21  |           | W 1321  | 0.9 | 27                                       |           | M 1522                                                                                                                                                  | 5.6  | 171    |
|           | 2056    | 6.0                                      | 183 |           | 1922    | 5.8 | 177                                      |           | 2243                                                                                                                                                    | 1.0  | 30     |
| <b>4</b>  | 0348    | 0.6                                      | 18  | <b>16</b> | 0215    | 0.7 | 21                                       | <b>28</b> | 0410                                                                                                                                                    | 4.6  | 140    |
|           | 0927    | 5.6                                      | 171 |           | 0758    | 5.3 | 162                                      |           | 1019                                                                                                                                                    | 0.8  | 24     |
|           | Sa 1556 | 0.5                                      | 15  |           | Th 1421 | 0.8 | 24                                       |           | Tu 1613                                                                                                                                                 | 5.6  | 171    |
|           | 2146    | 6.2                                      | 189 |           | 2022    | 5.8 | 177                                      |           | 2335                                                                                                                                                    | 0.9  | 27     |
| <b>5</b>  | 0436    | 0.4                                      | 12  | <b>17</b> | 0308    | 0.5 | 15                                       | <b>29</b> | 0504                                                                                                                                                    | 4.6  | 140    |
|           | 1013    | 5.9                                      | 180 |           | 0853    | 5.5 | 168                                      |           | 1118                                                                                                                                                    | 0.8  | 24     |
|           | Su 1651 | 0.3                                      | 9   |           | F 1518  | 0.7 | 21                                       |           | W 1712                                                                                                                                                  | 5.5  | 168    |
|           | 2233    | 6.3                                      | 192 |           | 2115    | 5.8 | 177                                      |           | ●                                                                                                                                                       |      |        |
| <b>6</b>  | 0522    | 0.3                                      | 9   | <b>18</b> | 0357    | 0.4 | 12                                       | <b>30</b> | 0029                                                                                                                                                    | 0.9  | 27     |
|           | 1057    | 6.2                                      | 189 |           | 0943    | 5.7 | 174                                      |           | 0602                                                                                                                                                    | 4.8  | 146    |
|           | M 1745  | 0.2                                      | 6   |           | Sa 1611 | 0.5 | 15                                       |           | Th 1222                                                                                                                                                 | 0.8  | 24     |
|           | 2320    | 6.3                                      | 192 |           | 2202    | 5.9 | 180                                      |           | 1817                                                                                                                                                    | 5.5  | 168    |
| <b>7</b>  | 0607    | 0.2                                      | 6   | <b>19</b> | 0442    | 0.3 | 9                                        | <b>31</b> | 0123                                                                                                                                                    | 0.7  | 21     |
|           | 1141    | 6.5                                      | 198 |           | 1029    | 5.9 | 180                                      |           | 0701                                                                                                                                                    | 5.0  | 152    |
|           | Tu 1837 | 0.1                                      | 3   |           | Su 1701 | 0.5 | 15                                       |           | F 1326                                                                                                                                                  | 0.7  | 21     |
|           | ○       |                                          |     |           | 2245    | 5.8 | 177                                      |           | 1920                                                                                                                                                    | 5.6  | 171    |
| <b>8</b>  | 0006    | 6.2                                      | 189 | <b>20</b> | 0523    | 0.3 | 9                                        |           | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.<br>Heights are referred to mean<br>lower low water which is the<br>chart datum of soundings. |      |        |
|           | 0651    | 0.1                                      | 3   |           | 1110    | 6.0 | 183                                      |           |                                                                                                                                                         |      |        |
|           | W 1226  | 6.6                                      | 201 |           | M 1747  | 0.4 | 12                                       |           |                                                                                                                                                         |      |        |
|           | 1930    | 0.2                                      | 6   |           | 2326    | 5.7 | 174                                      |           |                                                                                                                                                         |      |        |
| <b>9</b>  | 0054    | 6.0                                      | 183 | <b>21</b> | 0602    | 0.3 | 9                                        |           |                                                                                                                                                         |      |        |
|           | 0736    | 0.2                                      | 6   |           | 1149    | 6.0 | 183                                      |           |                                                                                                                                                         |      |        |
|           | Th 1313 | 6.6                                      | 201 |           | Tu 1831 | 0.5 | 15                                       |           |                                                                                                                                                         |      |        |
|           | 2023    | 0.3                                      | 9   |           | ●       |     |                                          |           |                                                                                                                                                         |      |        |
| <b>10</b> | 0144    | 5.8                                      | 177 | <b>22</b> | 0006    | 5.5 | 168                                      |           |                                                                                                                                                         |      |        |
|           | 0824    | 0.3                                      | 9   |           | 0638    | 0.4 | 12                                       |           |                                                                                                                                                         |      |        |
|           | F 1403  | 6.5                                      | 198 |           | W 1225  | 5.9 | 180                                      |           |                                                                                                                                                         |      |        |
|           | 2119    | 0.5                                      | 15  |           | 1912    | 0.5 | 15                                       |           |                                                                                                                                                         |      |        |
| <b>11</b> | 0238    | 5.5                                      | 168 | <b>23</b> | 0044    | 5.3 | 162                                      |           |                                                                                                                                                         |      |        |
|           | 0915    | 0.5                                      | 15  |           | 0712    | 0.5 | 15                                       |           |                                                                                                                                                         |      |        |
|           | Sa 1458 | 6.4                                      | 195 |           | Th 1300 | 5.9 | 180                                      |           |                                                                                                                                                         |      |        |
|           | 2217    | 0.7                                      | 21  |           | 1952    | 0.6 | 18                                       |           |                                                                                                                                                         |      |        |
| <b>12</b> | 0338    | 5.2                                      | 158 | <b>24</b> | 0122    | 5.1 | 155                                      |           |                                                                                                                                                         |      |        |
|           | 1012    | 0.7                                      | 21  |           | 0744    | 0.6 | 18                                       |           |                                                                                                                                                         |      |        |
|           | Su 1558 | 6.1                                      | 186 |           | F 1332  | 5.8 | 177                                      |           |                                                                                                                                                         |      |        |
|           | 2317    | 0.8                                      | 24  |           | 2032    | 0.7 | 21                                       |           |                                                                                                                                                         |      |        |

### DAYLIGHT SAVING TIME

Times ARE adjusted  
for DST.



# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**OCTOBER 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0001      | 0241            | 1.5F       | <b>13</b>             | 0058      | 0058            | 1.9F       | <b>25</b>   | 0156      | 0407            | 1.0E       |
|                        | 0638      | 0849            | 0.9E       |                       | 0447      | 0700            | 0.9E       |             | 0650      | 0954            | 1.7F       |
| W                      | 1125      | 1429            | 1.6F       | M                     | 0944      | 1229            | 1.6F       | Sa          | 1234      | 1604            | 2.4E       |
|                        | 1716      | 2049            | 2.2E       |                       | 1518      | 1851            | 2.2E       |             | 2009      | 2254            | 1.8F       |
|                        |           |                 |            |                       | 2310      |                 |            |             |           |                 |            |
| <b>2</b>               | 0054      | 0335            | 1.6F       | <b>14</b>             | 0204      | 0204            | 1.8F       | <b>26</b>   | 0241      | 0450            | 1.0E       |
|                        | 0725      | 0943            | 1.1E       |                       | 0547      | 0807            | 1.0E       |             | 0726      | 1037            | 1.7F       |
| Th                     | 1229      | 1527            | 1.7F       | Tu                    | 1052      | 1329            | 1.6F       | Su          | 1312      | 1645            | 2.4E       |
|                        | 1822      | 2145            | 2.1E       |                       | 1629      | 1959            | 2.0E       |             | 2051      | 2337            | 1.7F       |
| <b>3</b>               | 0147      | 0429            | 1.6F       | <b>15</b>             | 0011      | 0312            | 1.7F       | <b>27</b>   | 0326      | 0536            | 0.9E       |
|                        | 0808      | 1035            | 1.2E       |                       | 0639      | 0909            | 1.1E       |             | 0811      | 1124            | 1.7F       |
| F                      | 1330      | 1627            | 1.8F       | W                     | 1200      | 1432            | 1.5F       | M           | 1357      | 1730            | 2.3E       |
|                        | 1928      | 2242            | 2.1E       |                       | 1746      | 2107            | 1.9E       |             | 2135      |                 |            |
| <b>4</b>               | 0239      | 0520            | 1.7F       | <b>16</b>             | 0107      | 0418            | 1.6F       | <b>28</b>   |           | 0023            | 1.7F       |
|                        | 0848      | 1124            | 1.4E       |                       | 0726      | 1007            | 1.3E       |             | 0410      | 0626            | 0.9E       |
| Sa                     | 1429      | 1725            | 2.0F       | Th                    | 1306      | 1538            | 1.5F       | Tu          | 0903      | 1214            | 1.7F       |
|                        | 2032      | 2338            | 2.1E       |                       | 1900      | 2213            | 1.7E       |             | 1447      | 1821            | 2.2E       |
|                        |           |                 |            |                       |           |                 |            |             | 2222      |                 |            |
| <b>5</b>               | 0329      | 0608            | 1.8F       | <b>17</b>             | 0200      | 0511            | 1.6F       | <b>29</b>   |           | 0111            | 1.7F       |
|                        | 0926      | 1210            | 1.6E       |                       | 0809      | 1101            | 1.5E       |             | 0455      | 0719            | 1.0E       |
| Su                     | 1524      | 1820            | 2.1F       | F                     | 1408      | 1647            | 1.6F       | W           | 1001      | 1307            | 1.7F       |
|                        | 2133      |                 |            |                       | 2007      | 2313            | 1.6E       |             | 1545      | 1917            | 2.1E       |
|                        |           | 0032            | 2.1E       | <b>18</b>             | 0249      | 0553            | 1.6F       |             | 2311      |                 |            |
| <b>6</b>               | 0417      | 0653            | 1.8F       |                       | 0850      | 1149            | 1.7E       | <b>30</b>   |           | 0200            | 1.6F       |
|                        | 1003      | 1255            | 1.9E       | Sa                    | 1505      | 1750            | 1.7F       |             | 0539      | 0811            | 1.2E       |
| M                      | 1618      | 1914            | 2.3F       |                       | 2108      |                 |            | Th          | 1101      | 1402            | 1.7F       |
|                        | 2233      |                 |            |                       |           |                 |            |             | 1649      | 2014            | 2.0E       |
| <b>7</b>               |           | 0124            | 2.0E       | <b>19</b>             | 0334      | 0626            | 1.6F       | <b>31</b>   |           | 0003            | 1.6F       |
|                        | 0501      | 0737            | 1.9F       |                       | 0929      | 1232            | 1.9E       |             | 0623      | 0902            | 1.3E       |
| Tu                     | 1038      | 1339            | 2.1E       | Su                    | 1557      | 1842            | 1.7F       | F           | 1202      | 1500            | 1.8F       |
|                        | 1711      | 2008            | 2.4F       |                       | 2203      |                 |            |             | 1758      | 2112            | 2.0E       |
|                        | 2332      |                 |            | <b>20</b>             |           | 0050            | 1.4E       |             |           |                 |            |
| <b>8</b>               |           | 0217            | 1.9E       |                       | 0414      | 0656            | 1.6F       |             |           |                 |            |
|                        | 0543      | 0821            | 1.9F       | M                     | 1005      | 1310            | 1.9E       |             |           |                 |            |
| W                      | 1114      | 1425            | 2.3E       |                       | 1644      | 1928            | 1.8F       |             |           |                 |            |
|                        | 1805      | 2102            | 2.4F       |                       | 2253      |                 |            |             |           |                 |            |
| <b>9</b>               | 0032      | 0308            | 1.7E       | <b>21</b>             |           | 0131            | 1.4E       |             |           |                 |            |
|                        | 0623      | 0906            | 1.9F       |                       | 0450      | 0727            | 1.6F       |             |           |                 |            |
| Th                     | 1152      | 1511            | 2.5E       | Tu                    | 1038      | 1345            | 2.0E       |             |           |                 |            |
|                        | 1902      | 2158            | 2.3F       |                       | 1728      | 2011            | 1.8F       |             |           |                 |            |
|                        |           |                 |            |                       | 2340      |                 |            |             |           |                 |            |
| <b>10</b>              | 0134      | 0400            | 1.4E       | <b>22</b>             |           | 0210            | 1.3E       |             |           |                 |            |
|                        | 0705      | 0953            | 1.9F       |                       | 0522      | 0800            | 1.6F       |             |           |                 |            |
| F                      | 1234      | 1559            | 2.6E       | W                     | 1107      | 1419            | 2.1E       |             |           |                 |            |
|                        | 2002      | 2255            | 2.2F       |                       | 1809      | 2051            | 1.8F       |             |           |                 |            |
| <b>11</b>              | 0238      | 0454            | 1.2E       | <b>23</b>             | 0025      | 0249            | 1.2E       |             |           |                 |            |
|                        | 0750      | 1041            | 1.8F       |                       | 0551      | 0836            | 1.6F       |             |           |                 |            |
| Sa                     | 1322      | 1650            | 2.5E       | Th                    | 1134      | 1452            | 2.2E       |             |           |                 |            |
|                        | 2104      | 2355            | 2.0F       |                       | 1849      | 2131            | 1.8F       |             |           |                 |            |
| <b>12</b>              | 0343      | 0554            | 1.0E       | <b>24</b>             | 0111      | 0327            | 1.1E       |             |           |                 |            |
|                        | 0843      | 1133            | 1.7F       |                       | 0619      | 0913            | 1.7F       |             |           |                 |            |
| Su                     | 1416      | 1747            | 2.4E       | F                     | 1202      | 1527            | 2.3E       |             |           |                 |            |
|                        | 2207      |                 |            |                       | 1928      | 2212            | 1.8F       |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# REEDY POINT, DELAWARE

**NOVEMBER 2025**

**STATION ID 8551910**

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0215    | 0.5    | 15  | <b>13</b> | 0533    | 5.0    | 152 | <b>25</b> | 0153    | 4.4    | 134 |
|           | 0757    | 5.3    | 162 |           | 1158    | 0.6    | 18  |           | 0808    | 0.4    | 12  |
|           | Sa 1429 | 0.5    | 15  |           | Th 1755 | 5.4    | 165 |           | Tu 1355 | 5.4    | 165 |
|           | 2019    | 5.7    | 174 |           |         |        |     |           | 2115    | 0.5    | 15  |
| <b>2</b>  | 0207    | 0.3    | 9   | <b>14</b> | 0043    | 0.3    | 9   | <b>26</b> | 0237    | 4.5    | 137 |
|           | 0750    | 5.7    | 174 |           | 0632    | 5.1    | 155 |           | 0855    | 0.4    | 12  |
|           | Su 1430 | 0.3    | 9   |           | F 1256  | 0.6    | 18  |           | W 1443  | 5.4    | 165 |
|           | 2013    | 5.8    | 177 |           | 1852    | 5.4    | 165 |           | 2201    | 0.5    | 15  |
| <b>3</b>  | 0257    | 0.1    | 3   | <b>15</b> | 0133    | 0.2    | 6   | <b>27</b> | 0326    | 4.6    | 140 |
|           | 0840    | 6.0    | 183 |           | 0726    | 5.3    | 162 |           | 0951    | 0.4    | 12  |
|           | M 1529  | 0.1    | 3   |           | Sa 1352 | 0.5    | 15  |           | Th 1538 | 5.4    | 165 |
|           | 2105    | 5.9    | 180 |           | 1945    | 5.3    | 162 |           | 2250    | 0.4    | 12  |
| <b>4</b>  | 0346    | 0.0    | 0   | <b>16</b> | 0220    | 0.1    | 3   | <b>28</b> | 0421    | 4.7    | 143 |
|           | 0928    | 6.3    | 192 |           | 0815    | 5.5    | 168 |           | 1053    | 0.4    | 12  |
|           | Tu 1625 | 0.0    | 0   |           | Su 1445 | 0.3    | 9   |           | F 1639  | 5.3    | 162 |
|           | 2155    | 5.8    | 177 |           | 2033    | 5.3    | 162 |           | ☉ 2341  | 0.3    | 9   |
| <b>5</b>  | 0435    | 0.0    | 0   | <b>17</b> | 0305    | 0.1    | 3   | <b>29</b> | 0520    | 5.0    | 152 |
|           | 1015    | 6.5    | 198 |           | 0901    | 5.7    | 174 |           | 1158    | 0.3    | 9   |
|           | W 1721  | -0.1   | -3  |           | M 1535  | 0.2    | 6   |           | Sa 1742 | 5.3    | 162 |
|           | ☐ 2245  | 5.7    | 174 |           | 2118    | 5.2    | 158 |           |         |        |     |
| <b>6</b>  | 0524    | 0.0    | 0   | <b>18</b> | 0347    | 0.1    | 3   | <b>30</b> | 0034    | 0.1    | 3   |
|           | 1103    | 6.6    | 201 |           | 0942    | 5.8    | 177 |           | 0618    | 5.2    | 158 |
|           | Th 1815 | 0.0    | 0   |           | Tu 1623 | 0.2    | 6   |           | Su 1304 | 0.2    | 6   |
|           | 2336    | 5.5    | 168 |           | 2201    | 5.1    | 155 |           | 1844    | 5.3    | 162 |
| <b>7</b>  | 0613    | 0.0    | 0   | <b>19</b> | 0427    | 0.1    | 3   |           |         |        |     |
|           | 1153    | 6.5    | 198 |           | 1021    | 5.7    | 174 |           |         |        |     |
|           | F 1910  | 0.1    | 3   |           | W 1707  | 0.2    | 6   |           |         |        |     |
|           |         |        |     |           | 2242    | 5.0    | 152 |           |         |        |     |
| <b>8</b>  | 0029    | 5.3    | 162 | <b>20</b> | 0505    | 0.2    | 6   |           |         |        |     |
|           | 0705    | 0.2    | 6   |           | 1058    | 5.7    | 174 |           |         |        |     |
|           | Sa 1246 | 6.3    | 192 |           | Th 1750 | 0.2    | 6   |           |         |        |     |
|           | 2005    | 0.2    | 6   |           | ☉ 2321  | 4.8    | 146 |           |         |        |     |
| <b>9</b>  | 0125    | 5.1    | 155 | <b>21</b> | 0541    | 0.3    | 9   |           |         |        |     |
|           | 0759    | 0.3    | 9   |           | 1132    | 5.6    | 171 |           |         |        |     |
|           | Su 1343 | 6.1    | 186 |           | F 1831  | 0.3    | 9   |           |         |        |     |
|           | 2101    | 0.3    | 9   |           |         |        |     |           |         |        |     |
| <b>10</b> | 0225    | 4.9    | 149 | <b>22</b> | 0000    | 4.6    | 140 |           |         |        |     |
|           | 0856    | 0.5    | 15  |           | 0617    | 0.4    | 12  |           |         |        |     |
|           | M 1444  | 5.8    | 177 |           | Sa 1205 | 5.5    | 168 |           |         |        |     |
|           | 2157    | 0.4    | 12  |           | 1911    | 0.4    | 12  |           |         |        |     |
| <b>11</b> | 0327    | 4.9    | 149 | <b>23</b> | 0037    | 4.5    | 137 |           |         |        |     |
|           | 0956    | 0.6    | 18  |           | 0651    | 0.4    | 12  |           |         |        |     |
|           | Tu 1548 | 5.6    | 171 |           | Su 1238 | 5.5    | 168 |           |         |        |     |
|           | 2254    | 0.5    | 15  |           | 1951    | 0.4    | 12  |           |         |        |     |
| <b>12</b> | 0430    | 4.9    | 149 | <b>24</b> | 0114    | 4.4    | 134 |           |         |        |     |
|           | 1057    | 0.7    | 21  |           | 0727    | 0.4    | 12  |           |         |        |     |
|           | W 1653  | 5.5    | 168 |           | M 1314  | 5.4    | 165 |           |         |        |     |
|           | ☉ 2350  | 0.4    | 12  |           | 2032    | 0.5    | 15  |           |         |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

### EASTERN STANDARD TIME/ DAYLIGHT SAVING TIME

**Times ARE adjusted  
for DST until  
November 2.**

# CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)

**NOVEMBER 2025**

**cb1301**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                                                            |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|------------------------------------------------------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water                                                |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day                                                        | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Sa         | 0057      | 0342            | 1.6F       | <b>13</b><br>Th       | 0452      | 0125            | 1.6F       | <b>25</b><br>Tu                                            | 0155      | 0413            | 1.1E       |
|                        | 0706      | 0952            | 1.5E       |                       | 0452      | 0739            | 1.4E       |                                                            | 0658      | 1001            | 1.8F       |
|                        | 1302      | 1559            | 1.9F       |                       | 1046      | 1314            | 1.5F       |                                                            | 1236      | 1604            | 2.3E       |
|                        | 1909      | 2210            | 1.9E       |                       | 1637      | 1941            | 1.6E       |                                                            | 2000      | 2253            | 1.8F       |
|                        |           |                 |            |                       | 2327      |                 |            |                                                            |           |                 |            |
| <b>2</b><br>Su         | 0151      | 0335            | 1.6F       | <b>14</b><br>F        | 0537      | 0216            | 1.5F       | <b>26</b><br>W                                             | 0229      | 0456            | 1.2E       |
|                        | 0648      | 0941            | 1.7E       |                       | 0537      | 0833            | 1.6E       |                                                            | 0748      | 1051            | 1.8F       |
|                        | 1302      | 1600            | 2.0F       |                       | 1149      | 1420            | 1.5F       |                                                            | 1327      | 1653            | 2.2E       |
|                        | 1917      | 2209            | 1.8E       |                       | 1750      | 2044            | 1.4E       |                                                            | 2042      | 2336            | 1.8F       |
| <b>3</b><br>M          | 0145      | 0426            | 1.7F       | <b>15</b><br>Sa       | 0017      | 0307            | 1.5F       | <b>27</b><br>Th                                            | 0304      | 0543            | 1.3E       |
|                        | 0729      | 1031            | 1.9E       |                       | 0621      | 0924            | 1.7E       |                                                            | 0841      | 1143            | 1.8F       |
|                        | 1402      | 1659            | 2.1F       |                       | 1248      | 1530            | 1.5F       |                                                            | 1424      | 1746            | 2.1E       |
|                        | 2024      | 2307            | 1.8E       |                       | 1856      | 2144            | 1.3E       |                                                            | 2127      |                 |            |
| <b>4</b><br>Tu         | 0236      | 0516            | 1.8F       | <b>16</b><br>Su       | 0106      | 0353            | 1.4F       | <b>28</b><br>F                                             |           | 0022            | 1.8F       |
|                        | 0810      | 1120            | 2.2E       |                       | 0703      | 1012            | 1.9E       |                                                            | 0341      | 0632            | 1.4E       |
|                        | 1501      | 1757            | 2.3F       |                       | 1344      | 1638            | 1.6F       |                                                            | 0936      | 1237            | 1.8F       |
|                        | 2129      |                 |            |                       | 1957      | 2238            | 1.2E       |                                                            | 1527      | 1843            | 1.9E       |
|                        |           |                 |            |                       |           |                 |            | 2216                                                       |           |                 |            |
| <b>5</b><br>W          |           | 0004            | 1.6E       | <b>17</b><br>M        | 0151      | 0434            | 1.4F       | <b>29</b><br>Sa                                            |           | 0110            | 1.7F       |
|                        | 0324      | 0603            | 1.8F       |                       | 0743      | 1056            | 1.9E       |                                                            | 0422      | 0721            | 1.6E       |
|                        | 0852      | 1209            | 2.4E       |                       | 1437      | 1734            | 1.7F       |                                                            | 1034      | 1333            | 1.8F       |
|                        | 1559      | 1855            | 2.4F       |                       | 2054      | 2327            | 1.1E       |                                                            | 1637      | 1941            | 1.8E       |
|                        |           |                 |            |                       |           |                 |            | 2308                                                       |           |                 |            |
| <b>6</b><br>Th         | 0410      | 0651            | 1.5E       | <b>18</b><br>Tu       | 0234      | 0511            | 1.4F       | <b>30</b><br>Su                                            |           | 0201            | 1.7F       |
|                        | 0935      | 1259            | 2.6E       |                       | 0820      | 1136            | 2.0E       |                                                            | 0506      | 0811            | 1.8E       |
|                        | 1656      | 1953            | 2.4F       |                       | 1525      | 1822            | 1.7F       |                                                            | 1136      | 1433            | 1.9F       |
|                        | 2334      |                 |            |                       | 2147      |                 |            |                                                            | 1752      | 2040            | 1.6E       |
| <b>7</b><br>F          |           | 0156            | 1.4E       | <b>19</b><br>W        | 0314      | 0012            | 1.1E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |           |                 |            |
|                        | 0455      | 0739            | 1.9F       |                       | 0548      | 0548            | 1.5F       |                                                            |           |                 |            |
|                        | 1021      | 1349            | 2.7E       |                       | 0854      | 1213            | 2.1E       |                                                            |           |                 |            |
|                        | 1753      | 2050            | 2.4F       |                       | 1610      | 1904            | 1.8F       |                                                            |           |                 |            |
|                        |           |                 |            |                       | 2237      |                 |            |                                                            |           |                 |            |
| <b>8</b><br>Sa         | 0034      | 0250            | 1.2E       | <b>20</b><br>Th       | 0350      | 0055            | 1.0E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |           |                 |            |
|                        | 0542      | 0829            | 1.9F       |                       | 0626      | 0626            | 1.5F       |                                                            |           |                 |            |
|                        | 1110      | 1440            | 2.7E       |                       | 0925      | 1249            | 2.2E       |                                                            |           |                 |            |
|                        | 1850      | 2146            | 2.3F       |                       | 1651      | 1943            | 1.8F       |                                                            |           |                 |            |
|                        |           |                 |            |                       | 2323      |                 |            |                                                            |           |                 |            |
| <b>9</b><br>Su         | 0131      | 0344            | 1.1E       | <b>21</b><br>F        | 0423      | 0136            | 1.0E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |           |                 |            |
|                        | 0634      | 0921            | 1.8F       |                       | 0705      | 0705            | 1.6F       |                                                            |           |                 |            |
|                        | 1204      | 1532            | 2.6E       |                       | 0956      | 1325            | 2.3E       |                                                            |           |                 |            |
|                        | 1948      | 2241            | 2.1F       |                       | 1730      | 2019            | 1.9F       |                                                            |           |                 |            |
| <b>10</b><br>M         | 0225      | 0441            | 1.1E       | <b>22</b><br>Sa       | 0006      | 0215            | 1.0E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |           |                 |            |
|                        | 0733      | 1015            | 1.8F       |                       | 0457      | 0746            | 1.6F       |                                                            |           |                 |            |
|                        | 1303      | 1628            | 2.4E       |                       | 1030      | 1401            | 2.4E       |                                                            |           |                 |            |
|                        | 2044      | 2337            | 2.0F       |                       | 1808      | 2055            | 1.9F       |                                                            |           |                 |            |
| <b>11</b><br>Tu        | 0316      | 0542            | 1.2E       | <b>23</b><br>Su       | 0045      | 0253            | 1.0E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |           |                 |            |
|                        | 0836      | 1112            | 1.7F       |                       | 0532      | 0829            | 1.7F       |                                                            |           |                 |            |
|                        | 1409      | 1730            | 2.1E       |                       | 1107      | 1439            | 2.4E       |                                                            |           |                 |            |
|                        | 2140      |                 |            |                       | 1844      | 2132            | 1.9F       |                                                            |           |                 |            |
| <b>12</b><br>W         |           | 0032            | 1.8F       | <b>24</b><br>M        | 0121      | 0332            | 1.0E       | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |           |                 |            |
|                        | 0405      | 0642            | 1.3E       |                       | 0612      | 0914            | 1.7F       |                                                            |           |                 |            |
|                        | 0941      | 1212            | 1.6F       |                       | 1149      | 1520            | 2.4E       |                                                            |           |                 |            |
|                        | 1521      | 1836            | 1.8E       |                       | 1922      | 2211            | 1.9F       |                                                            |           |                 |            |
|                        | 2235      |                 |            |                       |           |                 |            |                                                            |           |                 |            |

**EASTERN  
STANDARD TIME/  
DAYLIGHT  
SAVING TIME**

**Times ARE adjusted  
for DST until  
November 2.**

# REEDY POINT, DELAWARE

**DECEMBER 2025**

**STATION ID 8551910**

| Times and Heights of High and Low Waters |      |      |        |                      |      |      |     |                      |      |      |     |
|------------------------------------------|------|------|--------|----------------------|------|------|-----|----------------------|------|------|-----|
|                                          | Time |      | Height |                      |      | Time |     | Height               |      |      |     |
| Day                                      | h.m. | ft.  | cm     | Day                  | h.m. | ft.  | cm  | Day                  | h.m. | ft.  | cm  |
| <b>1</b><br>M                            | 0127 | 0.0  | 0      | <b>13</b><br>Sa      | 0003 | 0.0  | 0   | <b>25</b><br>Th      | 0208 | 4.5  | 137 |
|                                          | 0715 | 5.6  | 171    |                      | 0557 | 4.9  | 149 |                      | 0839 | 0.0  | 0   |
|                                          | 1407 | 0.1  | 3      |                      | 1225 | 0.3  | 9   |                      | 1420 | 5.2  | 158 |
|                                          | 1943 | 5.3  | 162    |                      | 1815 | 4.8  | 146 |                      | 2127 | 0.0  | 0   |
| <b>2</b><br>Tu                           | 0221 | -0.1 | -3     | <b>14</b><br>Su      | 0051 | 0.0  | 0   | <b>26</b><br>F       | 0253 | 4.7  | 143 |
|                                          | 0810 | 5.9  | 180    |                      | 0650 | 5.0  | 152 |                      | 0931 | 0.0  | 0   |
|                                          | 1509 | -0.1 | -3     |                      | 1321 | 0.3  | 9   |                      | 1511 | 5.2  | 158 |
|                                          | 2039 | 5.2  | 158    |                      | 1909 | 4.8  | 146 |                      | 2212 | -0.1 | -3  |
| <b>3</b><br>W                            | 0315 | -0.2 | -6     | <b>15</b><br>M       | 0138 | 0.0  | 0   | <b>27</b><br>Sa<br>☉ | 0345 | 4.8  | 146 |
|                                          | 0903 | 6.1  | 186    |                      | 0741 | 5.2  | 158 |                      | 1030 | 0.1  | 3   |
|                                          | 1609 | -0.2 | -6     |                      | 1415 | 0.2  | 6   |                      | 1607 | 5.0  | 152 |
|                                          | 2134 | 5.2  | 158    |                      | 2000 | 4.7  | 143 |                      | 2301 | -0.1 | -3  |
| <b>4</b><br>Th<br>☾                      | 0409 | -0.3 | -9     | <b>16</b><br>Tu      | 0224 | -0.1 | -3  | <b>28</b><br>Su      | 0442 | 5.0  | 152 |
|                                          | 0955 | 6.2  | 189    |                      | 0828 | 5.3  | 162 |                      | 1136 | 0.1  | 3   |
|                                          | 1706 | -0.3 | -9     |                      | 1507 | 0.1  | 3   |                      | 1710 | 4.9  | 149 |
|                                          | 2227 | 5.1  | 155    |                      | 2049 | 4.6  | 140 |                      | 2355 | -0.2 | -6  |
| <b>5</b><br>F                            | 0502 | -0.3 | -9     | <b>17</b><br>W       | 0309 | -0.1 | -3  | <b>29</b><br>M       | 0543 | 5.2  | 158 |
|                                          | 1046 | 6.2  | 189    |                      | 0913 | 5.4  | 165 |                      | 1243 | 0.1  | 3   |
|                                          | 1801 | -0.3 | -9     |                      | 1556 | 0.0  | 0   |                      | 1814 | 4.8  | 146 |
|                                          | 2320 | 5.0  | 152    |                      | 2135 | 4.6  | 140 |                      |      |      |     |
| <b>6</b><br>Sa                           | 0556 | -0.2 | -6     | <b>18</b><br>Th      | 0353 | -0.1 | -3  | <b>30</b><br>Tu      | 0052 | -0.2 | -6  |
|                                          | 1139 | 6.1  | 186    |                      | 0954 | 5.4  | 165 |                      | 0645 | 5.4  | 165 |
|                                          | 1855 | -0.2 | -6     |                      | 1643 | -0.1 | -3  |                      | 1349 | 0.0  | 0   |
|                                          |      |      |        |                      | 2219 | 4.5  | 137 |                      | 1918 | 4.7  | 143 |
| <b>7</b><br>Su                           | 0014 | 4.9  | 149    | <b>19</b><br>F       | 0436 | 0.0  | 0   | <b>31</b><br>W       | 0152 | -0.3 | -9  |
|                                          | 0649 | -0.1 | -3     |                      | 1033 | 5.3  | 162 |                      | 0746 | 5.6  | 171 |
|                                          | 1233 | 5.9  | 180    |                      | 1727 | -0.1 | -3  |                      | 1453 | -0.1 | -3  |
|                                          | 1947 | -0.2 | -6     |                      | 2300 | 4.4  | 134 |                      | 2021 | 4.6  | 140 |
| <b>8</b><br>M                            | 0110 | 4.8  | 146    | <b>20</b><br>Sa<br>☉ | 0516 | 0.0  | 0   |                      |      |      |     |
|                                          | 0743 | 0.0  | 0      |                      | 1110 | 5.3  | 162 |                      |      |      |     |
|                                          | 1328 | 5.7  | 174    |                      | 1809 | -0.1 | -3  |                      |      |      |     |
|                                          | 2040 | -0.1 | -3     |                      | 2338 | 4.3  | 131 |                      |      |      |     |
| <b>9</b><br>Tu                           | 0207 | 4.7  | 143    | <b>21</b><br>Su      | 0556 | 0.0  | 0   |                      |      |      |     |
|                                          | 0838 | 0.1  | 3      |                      | 1145 | 5.3  | 162 |                      |      |      |     |
|                                          | 1426 | 5.5  | 168    |                      | 1850 | 0.0  | 0   |                      |      |      |     |
|                                          | 2131 | 0.0  | 0      |                      |      |      |     |                      |      |      |     |
| <b>10</b><br>W                           | 0305 | 4.7  | 143    | <b>22</b><br>M       | 0015 | 4.3  | 131 |                      |      |      |     |
|                                          | 0934 | 0.2  | 6      |                      | 0634 | 0.0  | 0   |                      |      |      |     |
|                                          | 1524 | 5.3  | 162    |                      | 1219 | 5.3  | 162 |                      |      |      |     |
|                                          | 2223 | 0.1  | 3      |                      | 1929 | 0.0  | 0   |                      |      |      |     |
| <b>11</b><br>Th<br>☉                     | 0403 | 4.7  | 143    | <b>23</b><br>Tu      | 0051 | 4.3  | 131 |                      |      |      |     |
|                                          | 1030 | 0.3  | 9      |                      | 0713 | 0.0  | 0   |                      |      |      |     |
|                                          | 1622 | 5.1  | 155    |                      | 1255 | 5.3  | 162 |                      |      |      |     |
|                                          | 2313 | 0.1  | 3      |                      | 2007 | 0.0  | 0   |                      |      |      |     |
| <b>12</b><br>F                           | 0500 | 4.8  | 146    | <b>24</b><br>W       | 0127 | 4.4  | 134 |                      |      |      |     |
|                                          | 1128 | 0.4  | 12     |                      | 0753 | 0.0  | 0   |                      |      |      |     |
|                                          | 1719 | 4.9  | 149    |                      | 1335 | 5.3  | 162 |                      |      |      |     |
|                                          |      |      |        |                      | 2046 | 0.0  | 0   |                      |      |      |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

**EASTERN  
STANDARD TIME**

**CHESAPEAKE AND DELAWARE CANAL (Chesapeake City)**  
**DECEMBER 2025** cb1301

|                 |      | F-Flood, Dir. 66° True |       |                 | E-Ebb, Dir. 248° True |      |       |                                                            |      |      |       |
|-----------------|------|------------------------|-------|-----------------|-----------------------|------|-------|------------------------------------------------------------|------|------|-------|
|                 |      | Maximum Current        |       |                 | Maximum Current       |      |       | Maximum Current                                            |      |      |       |
| Slack Water     | Time | Time                   | Vel.  | Slack Water     | Time                  | Time | Vel.  | Slack Water                                                | Time | Vel. |       |
| Day             | h.m. | h.m.                   | knots | Day             | h.m.                  | h.m. | knots | Day                                                        | h.m. | h.m. | knots |
| <b>1</b><br>M   | 0003 | 0254                   | 1.6F  | <b>13</b><br>Sa | 0118                  | 0118 | 1.5F  | <b>25</b><br>Th                                            | 0146 | 0425 | 1.5E  |
|                 | 0551 | 0903                   | 2.0E  |                 | 0749                  | 0749 | 1.8E  |                                                            | 0729 | 1029 | 1.9F  |
|                 | 1240 | 1537                   | 1.9F  |                 | 1122                  | 1351 | 1.5F  |                                                            | 1315 | 1629 | 2.1E  |
|                 | 1906 | 2142                   | 1.5E  |                 | 1728                  | 2004 | 1.2E  |                                                            | 2009 | 2304 | 1.9F  |
|                 |      |                        |       |                 | 2325                  |      |       |                                                            |      |      |       |
| <b>2</b><br>Tu  | 0058 | 0348                   | 1.6F  | <b>14</b><br>Su | 0204                  | 0204 | 1.4F  | <b>26</b><br>F                                             | 0216 | 0508 | 1.6E  |
|                 | 0638 | 0956                   | 2.2E  |                 | 0839                  | 0839 | 1.8E  |                                                            | 0818 | 1120 | 1.9F  |
|                 | 1346 | 1642                   | 2.1F  |                 | 1221                  | 1500 | 1.4F  |                                                            | 1410 | 1720 | 2.0E  |
|                 | 2019 | 2245                   | 1.4E  |                 | 1836                  | 2103 | 1.0E  |                                                            | 2050 | 2349 | 1.9F  |
| <b>3</b><br>W   | 0154 | 0441                   | 1.7F  | <b>15</b><br>M  | 0013                  | 0252 | 1.3F  | <b>27</b><br>Sa                                            | 0250 | 0554 | 1.7E  |
|                 | 0726 | 1050                   | 2.4E  |                 | 0612                  | 0928 | 1.9E  |                                                            | 0912 | 1213 | 1.9F  |
|                 | 1450 | 1746                   | 2.2F  |                 | 1318                  | 1618 | 1.5F  |                                                            | 1512 | 1816 | 1.8E  |
|                 | 2128 | 2346                   | 1.2E  |                 | 1940                  | 2202 | 0.9E  |                                                            | 2136 |      |       |
| <b>4</b><br>Th  | 0249 | 0533                   | 1.7F  | <b>16</b><br>Tu | 0102                  | 0340 | 1.3F  | <b>28</b><br>Su                                            |      | 0036 | 1.8F  |
|                 | 0816 | 1144                   | 2.6E  |                 | 0653                  | 1015 | 2.0E  |                                                            | 0329 | 0644 | 1.9E  |
|                 | 1550 | 1847                   | 2.3F  |                 | 1412                  | 1724 | 1.6F  |                                                            | 1011 | 1310 | 1.9F  |
|                 | 2232 |                        |       |                 | 2042                  | 2259 | 0.8E  |                                                            | 1624 | 1915 | 1.6E  |
|                 |      |                        |       |                 |                       |      |       | 2225                                                       |      |      |       |
| <b>5</b><br>F   |      | 0047                   | 1.2E  | <b>17</b><br>W  | 0150                  | 0427 | 1.3F  | <b>29</b><br>M                                             |      | 0125 | 1.7F  |
|                 | 0341 | 0625                   | 1.8F  |                 | 0732                  | 1059 | 2.1E  |                                                            | 0414 | 0736 | 2.0E  |
|                 | 0908 | 1238                   | 2.8E  |                 | 1503                  | 1816 | 1.7F  |                                                            | 1117 | 1412 | 1.8F  |
|                 | 1647 | 1947                   | 2.4F  |                 | 2138                  | 2351 | 0.8E  |                                                            | 1744 | 2016 | 1.3E  |
|                 |      |                        |       |                 |                       |      |       | 2319                                                       |      |      |       |
| <b>6</b><br>Sa  |      | 0145                   | 1.2E  | <b>18</b><br>Th | 0236                  | 0512 | 1.4F  | <b>30</b><br>Tu                                            |      | 0218 | 1.6F  |
|                 | 0433 | 0717                   | 1.9F  |                 | 0811                  | 1141 | 2.2E  |                                                            | 0504 | 0830 | 2.2E  |
|                 | 1001 | 1332                   | 2.8E  |                 | 1549                  | 1859 | 1.8F  |                                                            | 1226 | 1520 | 1.9F  |
|                 | 1742 | 2041                   | 2.4F  |                 | 2228                  |      |       |                                                            | 1903 | 2121 | 1.1E  |
| <b>7</b><br>Su  | 0021 | 0239                   | 1.2E  | <b>19</b><br>F  |                       | 0039 | 0.8E  | <b>31</b><br>W                                             |      | 0016 | 1.6F  |
|                 | 0526 | 0810                   | 1.9F  |                 | 0320                  | 0556 | 1.4F  |                                                            | 0557 | 0928 | 2.4E  |
|                 | 1057 | 1425                   | 2.7E  |                 | 0850                  | 1221 | 2.3E  |                                                            | 1336 | 1632 | 1.9F  |
|                 | 1834 | 2131                   | 2.3F  |                 | 1631                  | 1934 | 1.9F  |                                                            | 2023 | 2229 | 0.9E  |
|                 |      |                        |       | 2311            |                       |      |       |                                                            |      |      |       |
| <b>8</b><br>M   | 0108 | 0329                   | 1.3E  | <b>20</b><br>Sa |                       | 0122 | 0.9E  | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon. |      |      |       |
|                 | 0622 | 0904                   | 1.9F  |                 | 0401                  | 0640 | 1.6F  |                                                            |      |      |       |
|                 | 1155 | 1516                   | 2.5E  |                 | 0929                  | 1301 | 2.4E  |                                                            |      |      |       |
|                 | 1925 | 2218                   | 2.1F  |                 | 1710                  | 2004 | 1.9F  |                                                            |      |      |       |
| <b>9</b><br>Tu  | 0152 | 0419                   | 1.4E  | <b>21</b><br>Su |                       | 0200 | 1.0E  |                                                            |      |      |       |
|                 | 0721 | 0958                   | 1.8F  |                 | 0440                  | 0724 | 1.6F  |                                                            |      |      |       |
|                 | 1256 | 1609                   | 2.2E  |                 | 1010                  | 1340 | 2.4E  |                                                            |      |      |       |
|                 | 2014 | 2304                   | 2.0F  |                 | 1746                  | 2035 | 1.9F  |                                                            |      |      |       |
| <b>10</b><br>W  | 0234 | 0512                   | 1.5E  | <b>22</b><br>M  | 0021                  | 0236 | 1.1E  |                                                            |      |      |       |
|                 | 0820 | 1054                   | 1.8F  |                 | 0520                  | 0809 | 1.8F  |                                                            |      |      |       |
|                 | 1400 | 1705                   | 1.9E  |                 | 1052                  | 1420 | 2.4E  |                                                            |      |      |       |
|                 | 2102 | 2349                   | 1.8F  |                 | 1821                  | 2108 | 1.9F  |                                                            |      |      |       |
| <b>11</b><br>Th | 0316 | 0605                   | 1.6E  | <b>23</b><br>Tu | 0050                  | 0311 | 1.2E  |                                                            |      |      |       |
|                 | 0921 | 1151                   | 1.6F  |                 | 0601                  | 0855 | 1.8F  |                                                            |      |      |       |
|                 | 1507 | 1805                   | 1.6E  |                 | 1137                  | 1500 | 2.4E  |                                                            |      |      |       |
|                 | 2150 |                        |       |                 | 1855                  | 2144 | 1.9F  |                                                            |      |      |       |
| <b>12</b><br>F  |      | 0033                   | 1.6F  | <b>24</b><br>W  | 0118                  | 0347 | 1.4E  |                                                            |      |      |       |
|                 | 0400 | 0658                   | 1.7E  |                 | 0644                  | 0941 | 1.9F  |                                                            |      |      |       |
|                 | 1021 | 1250                   | 1.6F  |                 | 1224                  | 1543 | 2.3E  |                                                            |      |      |       |
|                 | 1617 | 1905                   | 1.4E  |                 | 1930                  | 2223 | 1.9F  |                                                            |      |      |       |
|                 | 2237 |                        |       |                 |                       |      |       |                                                            |      |      |       |

**EASTERN  
STANDARD TIME**



**2025**

**TIDES AND CURRENTS**

**MARCUS HOOK, PA  
AND  
MARCUS HOOK BAR (North)**

# MARCUS HOOK, PENNSYLVANIA

JANUARY 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time                 |                   | Height               |                                                                                     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|----------------------|-------------------|----------------------|-------------------------------------------------------------------------------------|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day                  | h.m.              | ft.                  | cm                                                                                  |
| <b>1</b>  | 0044    | 4.6    | 140 | <b>13</b> | 0557    | -0.1   | -3  | <b>25</b>            | 0258              | 0.0                  | 0                                                                                   |
|           | 0733    | -0.2   | -6  |           | 1126    | 5.9    | 180 |                      | 0854              | 5.3                  | 162                                                                                 |
|           | W 1256  | 6.1    | 186 |           | M 1848  | -0.3   | -9  |                      | Sa 1559           | 0.0                  | 0                                                                                   |
|           | 2025    | -0.2   | -6  |           | O 2356  | 4.9    | 149 |                      | 2125              | 4.2                  | 128                                                                                 |
| <b>2</b>  | 0124    | 4.7    | 143 | <b>14</b> | 0647    | -0.1   | -3  | <b>26</b>            | 0352              | -0.1                 | -3                                                                                  |
|           | 0819    | -0.3   | -9  |           | 1214    | 5.9    | 180 |                      | 0943              | 5.5                  | 168                                                                                 |
|           | Th 1338 | 6.0    | 183 |           | Tu 1936 | -0.2   | -6  |                      | Su 1652           | -0.1                 | -3                                                                                  |
|           | 2108    | -0.2   | -6  |           |         |        |     |                      | 2212              | 4.3                  | 131                                                                                 |
| <b>3</b>  | 0208    | 4.9    | 149 | <b>15</b> | 0044    | 4.9    | 149 | <b>27</b>            | 0444              | -0.2                 | -6                                                                                  |
|           | 0907    | -0.2   | -6  |           | 0734    | -0.1   | -3  |                      | 1028              | 5.7                  | 174                                                                                 |
|           | F 1423  | 5.9    | 180 |           | W 1301  | 5.8    | 177 |                      | M 1742            | -0.2                 | -6                                                                                  |
|           | 2153    | -0.2   | -6  |           | 2020    | -0.2   | -6  |                      | 2255              | 4.5                  | 137                                                                                 |
| <b>4</b>  | 0254    | 5.0    | 152 | <b>16</b> | 0131    | 4.9    | 149 | <b>28</b>            | 0536              | -0.3                 | -9                                                                                  |
|           | 0958    | -0.2   | -6  |           | 0819    | 0.0    | 0   |                      | 1111              | 5.9                  | 180                                                                                 |
|           | Sa 1513 | 5.7    | 174 |           | Th 1347 | 5.7    | 174 |                      | Tu 1830           | -0.2                 | -6                                                                                  |
|           | 2239    | -0.2   | -6  |           | 2101    | -0.1   | -3  |                      | 2338              | 4.7                  | 143                                                                                 |
| <b>5</b>  | 0346    | 5.1    | 155 | <b>17</b> | 0217    | 4.9    | 149 | <b>29</b>            | 0626              | -0.4                 | -12                                                                                 |
|           | 1055    | -0.1   | -3  |           | 0903    | 0.0    | 0   |                      | 1154              | 6.0                  | 183                                                                                 |
|           | Su 1608 | 5.4    | 165 |           | F 1432  | 5.5    | 168 |                      | W 1916            | -0.3                 | -9                                                                                  |
|           | 2328    | -0.2   | -6  |           | 2142    | -0.1   | -3  |                      | ●                 |                      |                                                                                     |
| <b>6</b>  | 0443    | 5.2    | 158 | <b>18</b> | 0302    | 4.8    | 146 | <b>30</b>            | 0020              | 4.9                  | 149                                                                                 |
|           | 1155    | 0.0    | 0   |           | 0947    | 0.1    | 3   |                      | 0716              | -0.5                 | -15                                                                                 |
|           | M 1709  | 5.2    | 158 |           | Sa 1518 | 5.2    | 158 |                      | Th 1238           | 6.0                  | 183                                                                                 |
|           | ●       |        |     |           | 2221    | 0.0    | 0   |                      | 2000              | -0.4                 | -12                                                                                 |
| <b>7</b>  | 0020    | -0.2   | -6  | <b>19</b> | 0348    | 4.8    | 146 | <b>31</b>            | 0103              | 5.1                  | 155                                                                                 |
|           | 0544    | 5.3    | 162 |           | 1032    | 0.1    | 3   |                      | 0805              | -0.5                 | -15                                                                                 |
|           | Tu 1258 | 0.0    | 0   |           | Su 1606 | 5.0    | 152 |                      | F 1323            | 6.0                  | 183                                                                                 |
|           | 1813    | 4.9    | 149 |           | 2301    | 0.0    | 0   |                      | 2043              | -0.4                 | -12                                                                                 |
| <b>8</b>  | 0116    | -0.2   | -6  | <b>20</b> | 0436    | 4.8    | 146 | Time meridian 75° W. | 0000 is midnight. | 1200 is noon.        | Heights are referred to mean lower low water which is the chart datum of soundings. |
|           | 0646    | 5.4    | 165 |           | 1121    | 0.2    | 6   |                      |                   |                      |                                                                                     |
|           | W 1402  | 0.1    | 3   |           | M 1657  | 4.7    | 143 |                      |                   |                      |                                                                                     |
|           | 1917    | 4.8    | 146 |           | 2342    | 0.1    | 3   |                      |                   |                      |                                                                                     |
| <b>9</b>  | 0214    | -0.1   | -3  | <b>21</b> | 0526    | 4.8    | 146 | ●                    | <b>EASTERN</b>    | <b>STANDARD TIME</b> |                                                                                     |
|           | 0748    | 5.5    | 168 |           | 1213    | 0.2    | 6   |                      |                   |                      |                                                                                     |
|           | Th 1506 | 0.0    | 0   |           | Tu 1751 | 4.4    | 134 |                      |                   |                      |                                                                                     |
|           | 2020    | 4.7    | 143 |           | ●       |        |     |                      |                   |                      |                                                                                     |
| <b>10</b> | 0312    | -0.1   | -3  | <b>22</b> | 0026    | 0.1    | 3   | F 1308               | 0.2               | 6                    |                                                                                     |
|           | 0848    | 5.7    | 174 |           | 0617    | 4.8    | 146 |                      |                   |                      |                                                                                     |
|           | F 1607  | -0.1   | -3  |           | W 1846  | 4.3    | 131 |                      |                   |                      |                                                                                     |
|           | 2119    | 4.7    | 143 |           |         |        |     |                      |                   |                      |                                                                                     |
| <b>11</b> | 0410    | -0.1   | -3  | <b>23</b> | 0113    | 0.1    | 3   | Th 1406              | 0.2               | 6                    |                                                                                     |
|           | 0944    | 5.8    | 177 |           | 0710    | 4.9    | 149 |                      |                   |                      |                                                                                     |
|           | Sa 1704 | -0.2   | -6  |           | 1941    | 4.2    | 128 |                      |                   |                      |                                                                                     |
|           | 2214    | 4.8    | 146 |           |         |        |     |                      |                   |                      |                                                                                     |
| <b>12</b> | 0505    | -0.1   | -3  | <b>24</b> | 0204    | 0.0    | 0   | F 1504               | 0.1               | 3                    |                                                                                     |
|           | 1036    | 5.9    | 180 |           | 0803    | 5.1    | 155 |                      |                   |                      |                                                                                     |
|           | Su 1758 | -0.2   | -6  |           | 2035    | 4.2    | 128 |                      |                   |                      |                                                                                     |
|           | 2306    | 4.8    | 146 |           |         |        |     |                      |                   |                      |                                                                                     |



# MARCUS HOOK BAR (North)

**JANUARY 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0211      | 0515            | 1.7E       | <b>13</b>             | 0031      | 0440            | 1.8E       | <b>25</b>   |           | 0025            | 1.7E       |
|                        | 0843      | 1055            | 2.1F       |                       | 0706      | 0936            | 1.8F       |             | 0407      | 0622            | 1.8F       |
| W                      | 1422      | 1815            | 2.0E       | M                     | 1258      | 1741            | 2.3E       | Sa          | 1008      | 1359            | 1.9E       |
|                        | 2145      | 2338            | 1.5F       |                       | 2008      | 2300            | 1.6F       |             | 1725      | 1925            | 1.1F       |
|                        |           |                 |            |                       |           |                 |            |             | 2232      |                 |            |
| <b>2</b>               | 0258      | 0605            | 1.7E       | <b>14</b>             | 0124      | 0530            | 1.8E       | <b>26</b>   |           | 0121            | 1.6E       |
|                        | 0934      | 1144            | 2.1F       |                       | 0756      | 1017            | 1.7F       |             | 0500      | 0716            | 1.9F       |
| Th                     | 1507      | 1844            | 2.0E       | Tu                    | 1344      | 1828            | 2.2E       | Su          | 1100      | 1532            | 2.0E       |
|                        | 2228      |                 |            |                       | 2053      | 2347            | 1.6F       |             | 1819      | 2024            | 1.1F       |
|                        |           |                 |            |                       |           |                 |            |             | 2325      |                 |            |
| <b>3</b>               |           | 0024            | 1.6F       | <b>15</b>             | 0213      | 0615            | 1.8E       | <b>27</b>   |           | 0221            | 1.6E       |
|                        | 0346      | 0657            | 1.8E       |                       | 0845      | 1057            | 1.7F       |             | 0554      | 0808            | 2.0F       |
| F                      | 1026      | 1234            | 2.1F       | W                     | 1427      | 1911            | 2.1E       | M           | 1148      | 1625            | 2.0E       |
|                        | 1555      | 1925            | 2.0E       |                       | 2136      |                 |            |             | 1907      | 2110            | 1.3F       |
|                        | 2312      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>4</b>               |           | 0111            | 1.8F       | <b>16</b>             |           | 0028            | 1.5F       | <b>28</b>   |           | 0322            | 1.7E       |
|                        | 0434      | 0750            | 1.9E       |                       | 0300      | 0653            | 1.8E       |             | 0646      | 0858            | 2.0F       |
|                        | 1119      | 1326            | 2.1F       | Th                    | 0932      | 1138            | 1.6F       | Tu          | 1234      | 1708            | 2.1E       |
| Sa                     | 1646      | 2011            | 2.0E       |                       | 1508      | 1949            | 2.0E       |             | 1951      | 2152            | 1.4F       |
|                        | 2357      |                 |            |                       | 2216      |                 |            |             |           |                 |            |
| <b>5</b>               |           | 0159            | 1.8F       | <b>17</b>             |           | 0052            | 1.5F       | <b>29</b>   |           | 0419            | 1.8E       |
|                        | 0524      | 0843            | 2.0E       |                       | 0345      | 0722            | 1.8E       |             | 0106      | 0948            | 2.1F       |
|                        | 1213      | 1419            | 2.0F       | F                     | 1018      | 1220            | 1.6F       | W           | 0737      | 1742            | 2.1E       |
| Su                     | 1742      | 2102            | 2.0E       |                       | 1550      | 2014            | 1.9E       |             | 1319      | 1742            | 2.1E       |
|                        |           |                 |            |                       | 2256      |                 |            |             | 2034      | 2234            | 1.6F       |
| <b>6</b>               | 0045      | 0248            | 1.9F       | <b>18</b>             |           | 0107            | 1.5F       | <b>30</b>   | 0153      | 0511            | 1.8E       |
|                        | 0616      | 0937            | 2.0E       |                       | 0427      | 0748            | 1.8E       |             | 0828      | 1037            | 2.1F       |
| M                      | 1309      | 1513            | 1.9F       | Sa                    | 1103      | 1304            | 1.6F       | Th          | 1404      | 1803            | 2.1E       |
|                        | 1840      | 2154            | 2.0E       |                       | 1633      | 2005            | 1.8E       |             | 2116      | 2317            | 1.7F       |
|                        |           |                 |            |                       | 2335      |                 |            |             |           |                 |            |
| <b>7</b>               | 0136      | 0340            | 1.8F       | <b>19</b>             |           | 0138            | 1.6F       | <b>31</b>   | 0239      | 0600            | 1.9E       |
|                        | 0712      | 1034            | 2.0E       |                       | 0509      | 0821            | 1.9E       |             | 0919      | 1127            | 2.1F       |
|                        | 1409      | 1612            | 1.8F       | Su                    | 1149      | 1348            | 1.6F       | F           | 1451      | 1830            | 2.1E       |
| Tu                     | 1940      | 2248            | 1.9E       |                       | 1718      | 2032            | 1.9E       |             | 2200      |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>               | 0230      | 0436            | 1.8F       | <b>20</b>             | 0014      | 0216            | 1.6F       |             |           |                 |            |
|                        | 0812      | 1142            | 1.9E       |                       | 0551      | 0901            | 1.9E       |             |           |                 |            |
|                        | 1512      | 1718            | 1.6F       | M                     | 1236      | 1435            | 1.6F       |             |           |                 |            |
| W                      | 2041      | 2345            | 1.9E       |                       | 1806      | 2112            | 1.9E       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>               | 0327      | 0537            | 1.7F       | <b>21</b>             | 0055      | 0258            | 1.7F       |             |           |                 |            |
|                        | 0913      | 1333            | 1.9E       |                       | 0637      | 0946            | 1.9E       |             |           |                 |            |
|                        | 1618      | 1842            | 1.5F       | Tu                    | 1327      | 1524            | 1.5F       |             |           |                 |            |
| Th                     | 2141      |                 |            |                       | 1856      | 2156            | 1.9E       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>10</b>              |           | 0050            | 1.8E       | <b>22</b>             | 0138      | 0344            | 1.7F       |             |           |                 |            |
|                        | 0425      | 0643            | 1.7F       |                       | 0726      | 1034            | 1.9E       |             |           |                 |            |
|                        | 1014      | 1454            | 2.0E       | W                     | 1423      | 1616            | 1.4F       |             |           |                 |            |
| F                      | 1723      | 2013            | 1.5F       |                       | 1948      | 2243            | 1.8E       |             |           |                 |            |
|                        | 2240      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>11</b>              |           | 0219            | 1.8E       | <b>23</b>             | 0224      | 0434            | 1.7F       |             |           |                 |            |
|                        | 0521      | 0750            | 1.8F       |                       | 0819      | 1128            | 1.9E       |             |           |                 |            |
|                        | 1113      | 1557            | 2.2E       | Th                    | 1523      | 1714            | 1.2F       |             |           |                 |            |
| Sa                     | 1823      | 2115            | 1.5F       |                       | 2042      | 2332            | 1.8E       |             |           |                 |            |
|                        | 2336      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>12</b>              |           | 0342            | 1.8E       | <b>24</b>             | 0314      | 0527            | 1.8F       |             |           |                 |            |
|                        | 0615      | 0848            | 1.8F       |                       | 0914      | 1229            | 1.9E       |             |           |                 |            |
|                        | 1207      | 1651            | 2.3E       | F                     | 1626      | 1818            | 1.1F       |             |           |                 |            |
| Su                     | 1918      | 2210            | 1.6F       |                       | 2137      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**

# MARCUS HOOK, PENNSYLVANIA

FEBRUARY 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |  |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|--|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |  |
| <b>1</b>  | 0148    | 5.4    | 165 | <b>13</b> | 0024    | 5.1    | 155 | <b>25</b> | 0416    | 0.0    | 0   |  |
|           | 0855    | -0.5   | -15 |           | 0714    | -0.1   | -3  |           | 0957    | 5.8    | 177 |  |
|           | Sa 1409 | 5.9    | 180 |           | Th 1242 | 5.7    | 174 |           | Tu 1711 | 0.0    | 0   |  |
|           | 2127    | -0.4   | -12 |           | 1951    | -0.1   | -3  |           | 2226    | 4.9    | 149 |  |
| <b>2</b>  | 0235    | 5.5    | 168 | <b>14</b> | 0107    | 5.2    | 158 | <b>26</b> | 0512    | -0.2   | -6  |  |
|           | 0946    | -0.4   | -12 |           | 0757    | -0.1   | -3  |           | 1045    | 6.0    | 183 |  |
|           | Su 1458 | 5.6    | 171 |           | F 1325  | 5.6    | 171 |           | W 1759  | -0.1   | -3  |  |
|           | 2213    | -0.3   | -9  |           | 2029    | 0.0    | 0   |           | 2310    | 5.3    | 162 |  |
| <b>3</b>  | 0325    | 5.6    | 171 | <b>15</b> | 0149    | 5.2    | 158 | <b>27</b> | 0606    | -0.4   | -12 |  |
|           | 1042    | -0.3   | -9  |           | 0839    | 0.0    | 0   |           | 1131    | 6.1    | 186 |  |
|           | M 1552  | 5.3    | 162 |           | Sa 1406 | 5.4    | 165 |           | Th 1846 | -0.2   | -6  |  |
|           | 2302    | -0.3   | -9  |           | 2105    | 0.1    | 3   |           | 2355    | 5.6    | 171 |  |
| <b>4</b>  | 0420    | 5.5    | 168 | <b>16</b> | 0228    | 5.2    | 158 | <b>28</b> | 0658    | -0.5   | -15 |  |
|           | 1141    | -0.1   | -3  |           | 0919    | 0.1    | 3   |           | 1217    | 6.2    | 189 |  |
|           | Tu 1652 | 5.0    | 152 |           | Su 1447 | 5.2    | 158 |           | F 1931  | -0.3   | -9  |  |
|           | 2355    | -0.2   | -6  |           | 2140    | 0.1    | 3   |           | ●       |        |     |  |
| <b>5</b>  | 0521    | 5.5    | 168 | <b>17</b> | 0308    | 5.2    | 158 |           |         |        |     |  |
|           | 1242    | 0.0    | 0   |           | 1001    | 0.1    | 3   |           |         |        |     |  |
|           | W 1755  | 4.7    | 143 |           | M 1529  | 4.9    | 149 |           |         |        |     |  |
|           | ●       |        |     |           | 2214    | 0.2    | 6   |           |         |        |     |  |
| <b>6</b>  | 0052    | -0.1   | -3  | <b>18</b> | 0348    | 5.2    | 158 |           |         |        |     |  |
|           | 0624    | 5.4    | 165 |           | 1046    | 0.2    | 6   |           |         |        |     |  |
|           | Th 1345 | 0.1    | 3   |           | Tu 1615 | 4.7    | 143 |           |         |        |     |  |
|           | 1900    | 4.5    | 137 |           | 2250    | 0.2    | 6   |           |         |        |     |  |
| <b>7</b>  | 0152    | 0.0    | 0   | <b>19</b> | 0432    | 5.1    | 155 |           |         |        |     |  |
|           | 0729    | 5.4    | 165 |           | 1135    | 0.3    | 9   |           |         |        |     |  |
|           | F 1449  | 0.1    | 3   |           | W 1705  | 4.4    | 134 |           |         |        |     |  |
|           | 2004    | 4.5    | 137 |           | 2331    | 0.2    | 6   |           |         |        |     |  |
| <b>8</b>  | 0252    | 0.0    | 0   | <b>20</b> | 0521    | 5.1    | 155 |           |         |        |     |  |
|           | 0832    | 5.4    | 165 |           | Th 1229 | 0.4    | 12  |           |         |        |     |  |
|           | Sa 1549 | 0.0    | 0   |           | ●       | 1759   | 4.2 | 128       |         |        |     |  |
|           | 2105    | 4.6    | 140 |           |         |        |     |           |         |        |     |  |
| <b>9</b>  | 0351    | 0.0    | 0   | <b>21</b> | 0020    | 0.2    | 6   |           |         |        |     |  |
|           | 0931    | 5.6    | 171 |           | 0615    | 5.1    | 155 |           |         |        |     |  |
|           | Su 1646 | -0.1   | -3  |           | F 1327  | 0.4    | 12  |           |         |        |     |  |
|           | 2201    | 4.8    | 146 |           | 1857    | 4.1    | 125 |           |         |        |     |  |
| <b>10</b> | 0447    | -0.1   | -3  | <b>22</b> | 0115    | 0.2    | 6   |           |         |        |     |  |
|           | 1024    | 5.7    | 174 |           | 0713    | 5.2    | 158 |           |         |        |     |  |
|           | M 1737  | -0.2   | -6  |           | Sa 1427 | 0.4    | 12  |           |         |        |     |  |
|           | 2251    | 4.9    | 149 |           | 1954    | 4.2    | 128 |           |         |        |     |  |
| <b>11</b> | 0539    | -0.1   | -3  | <b>23</b> | 0216    | 0.2    | 6   |           |         |        |     |  |
|           | 1113    | 5.7    | 174 |           | 0811    | 5.3    | 162 |           |         |        |     |  |
|           | Tu 1825 | -0.2   | -6  |           | Su 1525 | 0.3    | 9   |           |         |        |     |  |
|           | 2339    | 5.0    | 152 |           | 2048    | 4.3    | 131 |           |         |        |     |  |
| <b>12</b> | 0628    | -0.1   | -3  | <b>24</b> | 0318    | 0.1    | 3   |           |         |        |     |  |
|           | W 1158  | 5.7    | 174 |           | 0906    | 5.6    | 171 |           |         |        |     |  |
|           | ●       |        |     |           | M 1620  | 0.2    | 6   |           |         |        |     |  |
|           | 1910    | -0.2   | -6  |           | 2139    | 4.6    | 140 |           |         |        |     |  |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean  
 lower low water which is the  
 chart datum of soundings.

**EASTERN  
 STANDARD TIME**

# MARCUS HOOK BAR (North)

**FEBRUARY 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               |           | 0002            | 1.9F       | <b>13</b>             | 0151      | 0554            | 1.9E       | <b>25</b>   |           | 0159            | 1.7E       |
| Sa                     | 0325      | 0648            | 2.0E       | Th                    | 0823      | 1039            | 1.6F       | Tu          | 0530      | 0743            | 1.9F       |
|                        | 1011      | 1218            | 2.1F       |                       | 1359      | 1836            | 2.0E       |             | 1119      | 1552            | 2.0E       |
|                        | 1540      | 1909            | 2.1E       |                       | 2102      | 2351            | 1.6F       |             | 1836      | 2043            | 1.4F       |
|                        | 2244      |                 |            |                       |           |                 |            |             | 2353      |                 |            |
| <b>2</b>               |           | 0048            | 1.9F       | <b>14</b>             | 0231      | 0622            | 1.8E       | <b>26</b>   |           | 0307            | 1.8E       |
| Su                     | 0412      | 0738            | 2.0E       | F                     | 0907      | 1113            | 1.6F       | W           | 0627      | 0837            | 2.0F       |
|                        | 1103      | 1309            | 2.1F       |                       | 1438      | 1900            | 1.9E       |             | 1209      | 1635            | 2.1E       |
|                        | 1632      | 1955            | 2.1E       |                       | 2139      | 2354            | 1.6F       |             | 1920      | 2126            | 1.6F       |
|                        | 2331      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>3</b>               |           | 0135            | 2.0F       | <b>15</b>             | 0309      | 0632            | 1.8E       | <b>27</b>   |           | 0409            | 1.9E       |
| M                      | 0501      | 0832            | 2.1E       | Sa                    | 0949      | 1151            | 1.6F       | Th          | 0720      | 0929            | 2.0F       |
|                        | 1157      | 1402            | 2.0F       |                       | 1517      | 1840            | 1.8E       |             | 1257      | 1707            | 2.1E       |
|                        | 1726      | 2045            | 2.0E       |                       | 2216      |                 |            |             | 2003      | 2208            | 1.8F       |
| <b>4</b>               |           | 0019            | 2.0F       | <b>16</b>             |           | 0020            | 1.6F       | <b>28</b>   |           | 0128            | 2.0E       |
| Tu                     | 0555      | 0930            | 2.0E       | Su                    | 0346      | 0656            | 1.9E       | F           | 0811      | 1020            | 2.1F       |
|                        | 1253      | 1456            | 1.8F       |                       | 1031      | 1233            | 1.7F       |             | 1345      | 1734            | 2.1E       |
|                        | 1822      | 2137            | 2.0E       |                       | 1558      | 1904            | 1.9E       |             | 2046      | 2252            | 1.9F       |
|                        |           |                 |            |                       | 2253      |                 |            |             |           |                 |            |
| <b>5</b>               |           | 0110            | 1.9F       | <b>17</b>             |           | 0056            | 1.7F       |             |           |                 |            |
| W                      | 0653      | 1039            | 2.0E       | M                     | 0424      | 0731            | 1.9E       |             |           |                 |            |
|                        | 1354      | 1555            | 1.6F       |                       | 1116      | 1316            | 1.7F       |             |           |                 |            |
|                        | 1920      | 2231            | 1.9E       |                       | 1640      | 1942            | 1.9E       |             |           |                 |            |
|                        |           |                 |            |                       | 2330      |                 |            |             |           |                 |            |
| <b>6</b>               |           | 0204            | 1.8F       | <b>18</b>             |           | 0135            | 1.8F       |             |           |                 |            |
| Th                     | 0755      | 1211            | 1.9E       | Tu                    | 0504      | 0814            | 1.9E       |             |           |                 |            |
|                        | 1458      | 1708            | 1.4F       |                       | 1203      | 1401            | 1.6F       |             |           |                 |            |
|                        | 2021      | 2331            | 1.8E       |                       | 1724      | 2026            | 1.9E       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>7</b>               |           | 0302            | 1.7F       | <b>19</b>             |           | 0219            | 1.9F       |             |           |                 |            |
| F                      | 0858      | 1334            | 2.0E       | W                     | 0550      | 0901            | 1.9E       |             |           |                 |            |
|                        | 1606      | 1903            | 1.3F       |                       | 1255      | 1449            | 1.5F       |             |           |                 |            |
|                        | 2123      |                 |            |                       | 1811      | 2112            | 1.9E       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>               |           | 0045            | 1.7E       | <b>20</b>             |           | 0305            | 1.9F       |             |           |                 |            |
| Sa                     | 0402      | 0629            | 1.6F       | Th                    | 0050      | 0305            | 1.9F       |             |           |                 |            |
|                        | 1000      | 1441            | 2.1E       |                       | 0640      | 0953            | 1.9E       |             |           |                 |            |
|                        | 1711      | 2011            | 1.4F       |                       | 1352      | 1540            | 1.3F       |             |           |                 |            |
|                        | 2224      |                 |            |                       | 1903      | 2202            | 1.8E       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>               |           | 0226            | 1.7E       | <b>21</b>             |           | 0355            | 1.9F       |             |           |                 |            |
| Su                     | 0501      | 0803            | 1.7F       | F                     | 0137      | 0736            | 1.9E       |             |           |                 |            |
|                        | 1058      | 1539            | 2.2E       |                       | 0736      | 1048            | 1.9E       |             |           |                 |            |
|                        | 1809      | 2107            | 1.5F       |                       | 1453      | 1637            | 1.1F       |             |           |                 |            |
|                        | 2323      |                 |            |                       | 2001      | 2254            | 1.7E       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>10</b>              |           | 0333            | 1.8E       | <b>22</b>             |           | 0449            | 1.9F       |             |           |                 |            |
| M                      | 0558      | 0901            | 1.7F       | Sa                    | 0230      | 0449            | 1.9F       |             |           |                 |            |
|                        | 1151      | 1631            | 2.3E       |                       | 0834      | 1149            | 1.8E       |             |           |                 |            |
|                        | 1859      | 2157            | 1.6F       |                       | 1556      | 1739            | 1.0F       |             |           |                 |            |
|                        |           |                 |            |                       | 2102      | 2351            | 1.6E       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>11</b>              |           | 0017            | 1.9E       | <b>23</b>             |           | 0546            | 1.8F       |             |           |                 |            |
| Tu                     | 0650      | 0945            | 1.7F       | Su                    | 0329      | 0546            | 1.8F       |             |           |                 |            |
|                        | 1237      | 1717            | 2.3E       |                       | 0932      | 1302            | 1.8E       |             |           |                 |            |
|                        | 1943      | 2243            | 1.7F       |                       | 1656      | 1847            | 1.0F       |             |           |                 |            |
|                        |           |                 |            |                       | 2203      |                 |            |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>12</b>              |           | 0514            | 1.9E       | <b>24</b>             |           | 0052            | 1.6E       |             |           |                 |            |
| W                      | 0738      | 1013            | 1.6F       | M                     | 0431      | 0645            | 1.8F       |             |           |                 |            |
|                        | 1320      | 1759            | 2.2E       |                       | 1027      | 1456            | 1.9E       |             |           |                 |            |
|                        | 2024      | 2323            | 1.6F       |                       | 1748      | 1953            | 1.2F       |             |           |                 |            |
|                        |           |                 |            |                       | 2300      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**

# MARCUS HOOK, PENNSYLVANIA

**MARCH 2025**

**STATION ID 8540433**

## Times and Heights of High and Low Waters

|           |         | Time |     | Height    |         |     |     | Time      |                                                                                                                                                         | Height |     |
|-----------|---------|------|-----|-----------|---------|-----|-----|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|
| Day       | h.m.    | ft.  | cm  | Day       | h.m.    | ft. | cm  | Day       | h.m.                                                                                                                                                    | ft.    | cm  |
| <b>1</b>  | 0039    | 5.9  | 180 | <b>13</b> | 0019    | 5.5 | 168 | <b>25</b> | 0348                                                                                                                                                    | 0.4    | 12  |
|           | 0749    | -0.5 | -15 |           | 0707    | 0.1 | 3   |           | 0929                                                                                                                                                    | 5.8    | 177 |
|           | Sa 1304 | 6.1  | 186 |           | Th 1239 | 5.8 | 177 |           | Tu 1644                                                                                                                                                 | 0.4    | 12  |
|           | 2016    | -0.3 | -9  |           | 1939    | 0.1 | 3   |           | 2205                                                                                                                                                    | 5.1    | 155 |
| <b>2</b>  | 0125    | 6.1  | 186 | <b>14</b> | 0101    | 5.7 | 174 | <b>26</b> | 0451                                                                                                                                                    | 0.2    | 6   |
|           | 0840    | -0.5 | -15 |           | 0752    | 0.1 | 3   |           | 1025                                                                                                                                                    | 6.0    | 183 |
|           | Su 1352 | 5.9  | 180 |           | F 1320  | 5.7 | 174 |           | W 1736                                                                                                                                                  | 0.3    | 9   |
|           | 2101    | -0.2 | -6  |           | ○ 2018  | 0.2 | 6   |           | 2255                                                                                                                                                    | 5.6    | 171 |
| <b>3</b>  | 0213    | 6.2  | 189 | <b>15</b> | 0141    | 5.7 | 174 | <b>27</b> | 0550                                                                                                                                                    | 0.0    | 0   |
|           | 0932    | -0.3 | -9  |           | 0834    | 0.1 | 3   |           | 1117                                                                                                                                                    | 6.1    | 186 |
|           | M 1443  | 5.7  | 174 |           | Sa 1401 | 5.6 | 171 |           | Th 1826                                                                                                                                                 | 0.2    | 6   |
|           | 2147    | -0.1 | -3  |           | 2055    | 0.3 | 9   |           | 2342                                                                                                                                                    | 6.0    | 183 |
| <b>4</b>  | 0303    | 6.1  | 186 | <b>16</b> | 0218    | 5.8 | 177 | <b>28</b> | 0646                                                                                                                                                    | -0.1   | -3  |
|           | 1027    | -0.1 | -3  |           | 0915    | 0.2 | 6   |           | 1206                                                                                                                                                    | 6.2    | 189 |
|           | Tu 1536 | 5.4  | 165 |           | Su 1440 | 5.4 | 165 |           | F 1914                                                                                                                                                  | 0.1    | 3   |
|           | 2238    | 0.0  | 0   |           | 2129    | 0.4 | 12  |           |                                                                                                                                                         |        |     |
| <b>5</b>  | 0358    | 6.0  | 183 | <b>17</b> | 0254    | 5.8 | 177 | <b>29</b> | 0028                                                                                                                                                    | 6.4    | 195 |
|           | 1125    | 0.1  | 3   |           | 0955    | 0.2 | 6   |           | 0740                                                                                                                                                    | -0.2   | -6  |
|           | W 1636  | 5.0  | 152 |           | M 1518  | 5.2 | 158 |           | Sa 1255                                                                                                                                                 | 6.2    | 189 |
|           | 2332    | 0.2  | 6   |           | 2201    | 0.5 | 15  |           | ● 2002                                                                                                                                                  | 0.1    | 3   |
| <b>6</b>  | 0458    | 5.7  | 174 | <b>18</b> | 0328    | 5.7 | 174 | <b>30</b> | 0114                                                                                                                                                    | 6.6    | 201 |
|           | 1225    | 0.2  | 6   |           | 1034    | 0.3 | 9   |           | 0833                                                                                                                                                    | -0.3   | -9  |
|           | Th 1740 | 4.8  | 146 |           | Tu 1556 | 5.0 | 152 |           | Su 1344                                                                                                                                                 | 6.2    | 189 |
|           | ●       |      |     |           | 2231    | 0.5 | 15  |           | 2048                                                                                                                                                    | 0.1    | 3   |
| <b>7</b>  | 0030    | 0.3  | 9   | <b>19</b> | 0402    | 5.7 | 174 | <b>31</b> | 0202                                                                                                                                                    | 6.8    | 207 |
|           | 0604    | 5.6  | 171 |           | 1116    | 0.4 | 12  |           | 0925                                                                                                                                                    | -0.2   | -6  |
|           | F 1327  | 0.3  | 9   |           | W 1636  | 4.8 | 146 |           | M 1434                                                                                                                                                  | 6.0    | 183 |
|           | 1845    | 4.7  | 143 |           | 2304    | 0.5 | 15  |           | 2135                                                                                                                                                    | 0.2    | 6   |
| <b>8</b>  | 0131    | 0.4  | 12  | <b>20</b> | 0439    | 5.6 | 171 |           | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.<br>Heights are referred to mean<br>lower low water which is the<br>chart datum of soundings. |        |     |
|           | 0711    | 5.5  | 168 |           | 1203    | 0.5 | 15  |           |                                                                                                                                                         |        |     |
|           | Sa 1428 | 0.3  | 9   |           | Th 1721 | 4.6 | 140 |           |                                                                                                                                                         |        |     |
|           | 1950    | 4.7  | 143 |           | 2344    | 0.5 | 15  |           |                                                                                                                                                         |        |     |
| <b>9</b>  | 0333    | 0.4  | 12  | <b>21</b> | 0524    | 5.6 | 171 |           |                                                                                                                                                         |        |     |
|           | 0916    | 5.5  | 168 |           | 1255    | 0.6 | 18  |           |                                                                                                                                                         |        |     |
|           | Su 1627 | 0.2  | 6   |           | F 1814  | 4.5 | 137 |           |                                                                                                                                                         |        |     |
|           | 2151    | 4.9  | 149 |           |         |     |     |           |                                                                                                                                                         |        |     |
| <b>10</b> | 0432    | 0.3  | 9   | <b>22</b> | 0034    | 0.5 | 15  |           |                                                                                                                                                         |        |     |
|           | 1016    | 5.6  | 171 |           | 0620    | 5.5 | 168 |           |                                                                                                                                                         |        |     |
|           | M 1722  | 0.1  | 3   |           | Sa 1351 | 0.7 | 21  |           |                                                                                                                                                         |        |     |
|           | 2245    | 5.1  | 155 |           | ● 1913  | 4.4 | 134 |           |                                                                                                                                                         |        |     |
| <b>11</b> | 0527    | 0.2  | 6   | <b>23</b> | 0134    | 0.6 | 18  |           |                                                                                                                                                         |        |     |
|           | 1109    | 5.7  | 174 |           | 0724    | 5.5 | 168 |           |                                                                                                                                                         |        |     |
|           | Tu 1811 | 0.1  | 3   |           | Su 1450 | 0.6 | 18  |           |                                                                                                                                                         |        |     |
|           | 2334    | 5.3  | 162 |           | 2013    | 4.5 | 137 |           |                                                                                                                                                         |        |     |
| <b>12</b> | 0619    | 0.1  | 3   | <b>24</b> | 0241    | 0.5 | 15  |           |                                                                                                                                                         |        |     |
|           | 1155    | 5.8  | 177 |           | 0828    | 5.6 | 171 |           |                                                                                                                                                         |        |     |
|           | W 1857  | 0.1  | 3   |           | M 1549  | 0.6 | 18  |           |                                                                                                                                                         |        |     |
|           |         |      |     |           | 2111    | 4.8 | 146 |           |                                                                                                                                                         |        |     |

### EASTERN STANDARD TIME/ DAYLIGHT SAVING TIME

Times ARE adjusted  
for DST starting  
March 9.

# MARCUS HOOK BAR (North)

**MARCH 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0213      | 0548            | 2.1E       | <b>13</b>             | 0142      | 0550            | 2.0E       | <b>25</b>   |           | 0127            | 1.6E       |
| Sa                     | 0902      | 1110            | 2.1F       |                       | 0817      | 1107            | 1.6F       | Tu          | 0506      | 0716            | 1.8F       |
|                        | 1434      | 1808            | 2.1E       | Th                    | 1353      | 1826            | 2.1E       |             | 1053      | 1424            | 1.8E       |
|                        | 2131      | 2337            | 2.0F       |                       | 2050      | 2350            | 1.7F       |             | 1811      | 2013            | 1.3F       |
|                        |           |                 |            |                       |           |                 |            |             | 2331      |                 |            |
| <b>2</b>               | 0300      | 0636            | 2.1E       | <b>14</b>             | 0222      | 0625            | 2.0E       | <b>26</b>   |           | 0235            | 1.8E       |
| Su                     | 0953      | 1201            | 2.1F       |                       | 0859      | 1119            | 1.6F       | W           | 0609      | 0818            | 1.8F       |
|                        | 1523      | 1849            | 2.1E       | F                     | 1431      | 1854            | 1.9E       |             | 1149      | 1548            | 1.9E       |
|                        | 2217      |                 |            |                       | 2127      | 2357            | 1.6F       |             | 1900      | 2108            | 1.6F       |
| <b>3</b>               |           | 0024            | 2.0F       | <b>15</b>             | 0258      | 0642            | 1.9E       | <b>27</b>   | 0024      | 0345            | 1.9E       |
| M                      | 0348      | 0730            | 2.1E       |                       | 0939      | 1146            | 1.6F       | Th          | 0706      | 0916            | 1.9F       |
|                        | 1046      | 1252            | 2.0F       | Sa                    | 1509      | 1840            | 1.8E       |             | 1243      | 1643            | 2.0E       |
|                        | 1614      | 1936            | 2.1E       |                       | 2202      |                 |            | 1946        | 2155      | 1.8F            |            |
|                        | 2305      |                 |            | <b>16</b>             |           | 0009            | 1.6F       | <b>28</b>   | 0112      | 0448            | 2.1E       |
| <b>4</b>               |           | 0112            | 2.1F       |                       | 0332      | 0648            | 1.9E       | F           | 0800      | 1010            | 2.0F       |
| Tu                     | 0440      | 0833            | 2.1E       | Su                    | 1020      | 1223            | 1.7F       |             | 1334      | 1723            | 2.1E       |
|                        | 1141      | 1345            | 1.9F       |                       | 1546      | 1850            | 1.9E       |             | 2031      | 2240            | 1.9F       |
|                        | 1707      | 2027            | 2.0E       |                       | 2236      |                 |            |             |           |                 |            |
|                        | 2354      |                 |            | <b>17</b>             |           | 0040            | 1.7F       | <b>29</b>   | 0159      | 0543            | 2.2E       |
| <b>5</b>               |           | 0202            | 2.0F       |                       | 0406      | 0714            | 1.9E       | Sa          | 0851      | 1102            | 2.1F       |
| W                      | 0536      | 0946            | 2.0E       | M                     | 1103      | 1303            | 1.7F       |             | 1424      | 1800            | 2.1E       |
|                        | 1239      | 1441            | 1.7F       |                       | 1624      | 1922            | 1.9E       |             | 2116      | 2325            | 2.0F       |
|                        | 1803      | 2122            | 2.0E       |                       | 2311      |                 |            |             |           |                 |            |
| <b>6</b>               | 0046      | 0254            | 1.9F       | <b>18</b>             |           | 0119            | 1.9F       | <b>30</b>   | 0246      | 0635            | 2.2E       |
| Th                     | 0637      | 1101            | 2.0E       |                       | 0443      | 0751            | 1.9E       | Su          | 0943      | 1153            | 2.1F       |
|                        | 1340      | 1544            | 1.4F       | Tu                    | 1148      | 1346            | 1.6F       |             | 1513      | 1841            | 2.1E       |
|                        | 1902      | 2221            | 1.9E       |                       | 1703      | 2002            | 1.9E       |             | 2202      |                 |            |
|                        |           |                 |            |                       | 2347      |                 |            |             |           |                 |            |
| <b>7</b>               | 0141      | 0350            | 1.8F       | <b>19</b>             |           | 0200            | 2.0F       | <b>31</b>   |           | 0012            | 2.1F       |
| F                      | 0740      | 1212            | 2.0E       |                       | 0523      | 0835            | 1.9E       | M           | 0335      | 0731            | 2.2E       |
|                        | 1445      | 1736            | 1.3F       | W                     | 1237      | 1431            | 1.5F       |             | 1036      | 1244            | 2.0F       |
|                        | 2005      | 2328            | 1.8E       |                       | 1744      | 2047            | 1.9E       |             | 1603      | 1926            | 2.1E       |
|                        |           |                 |            |                       |           |                 |            |             | 2250      |                 |            |
| <b>8</b>               | 0240      | 0454            | 1.6F       | <b>20</b>             | 0026      | 0245            | 2.1F       |             |           |                 |            |
| Sa                     | 0843      | 1318            | 2.1E       |                       | 0608      | 0924            | 1.9E       |             |           |                 |            |
|                        | 1550      | 1857            | 1.4F       | Th                    | 1329      | 1519            | 1.4F       |             |           |                 |            |
|                        | 2108      |                 |            |                       | 1830      | 2136            | 1.8E       |             |           |                 |            |
| <b>9</b>               |           | 0055            | 1.8E       | <b>21</b>             | 0109      | 0332            | 2.1F       |             |           |                 |            |
| Su                     | 0442      | 0754            | 1.5F       |                       | 0659      | 1017            | 1.9E       |             |           |                 |            |
|                        | 1043      | 1519            | 2.1E       | F                     | 1425      | 1610            | 1.2F       |             |           |                 |            |
|                        | 1751      | 2057            | 1.5F       |                       | 1924      | 2228            | 1.7E       |             |           |                 |            |
|                        | 2310      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>10</b>              |           | 0313            | 1.8E       | <b>22</b>             | 0159      | 0422            | 2.0F       |             |           |                 |            |
| M                      | 0543      | 0903            | 1.6F       |                       | 0755      | 1113            | 1.9E       |             |           |                 |            |
|                        | 1138      | 1614            | 2.2E       | Sa                    | 1523      | 1705            | 1.1F       |             |           |                 |            |
|                        | 1844      | 2149            | 1.6F       |                       | 2026      | 2324            | 1.7E       |             |           |                 |            |
| <b>11</b>              | 0006      | 0415            | 1.9E       | <b>23</b>             | 0256      | 0516            | 1.9F       |             |           |                 |            |
| Tu                     | 0640      | 0955            | 1.6F       |                       | 0854      | 1211            | 1.8E       |             |           |                 |            |
|                        | 1228      | 1703            | 2.3E       | Su                    | 1622      | 1805            | 1.1F       |             |           |                 |            |
|                        | 1931      | 2236            | 1.7F       |                       | 2131      |                 |            |             |           |                 |            |
| <b>12</b>              | 0057      | 0506            | 2.0E       | <b>24</b>             |           | 0023            | 1.6E       |             |           |                 |            |
| W                      | 0731      | 1037            | 1.6F       |                       | 0400      | 0615            | 1.8F       |             |           |                 |            |
|                        | 1312      | 1747            | 2.2E       | M                     | 0955      | 1313            | 1.8E       |             |           |                 |            |
|                        | 2012      | 2317            | 1.8F       |                       | 1719      | 1910            | 1.1F       |             |           |                 |            |
|                        |           |                 |            |                       | 2234      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME/  
DAYLIGHT  
SAVING TIME**

**Times ARE adjusted  
for DST starting  
March 9.**

# MARCUS HOOK, PENNSYLVANIA

APRIL 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |      | Height  |     |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|------|---------|-----|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m. | ft.     | cm  |     |
| <b>1</b>  | 0250    | 6.8    | 207 | <b>13</b> | 0112    | 6.2    | 189 | <b>25</b> | 0529 | 0.3     | 9   |     |
|           | 1017    | -0.1   | -3  |           | 0811    | 0.3    | 9   |           | F    | 1049    | 6.1 | 186 |
|           | Tu 1526 | 5.7    | 174 |           | Su 1336 | 5.6    | 171 |           |      | F 1752  | 0.4 | 12  |
|           | 2224    | 0.3    | 9   |           | ○ 2020  | 0.6    | 18  |           |      | 2314    | 6.6 | 201 |
| <b>2</b>  | 0341    | 6.6    | 201 | <b>14</b> | 0148    | 6.2    | 189 | <b>26</b> | 0627 | 0.1     | 3   |     |
|           | 1112    | 0.1    | 3   |           | 0852    | 0.4    | 12  |           |      | 1141    | 6.2 | 189 |
|           | W 1621  | 5.5    | 168 |           | M 1414  | 5.4    | 165 |           |      | Sa 1843 | 0.4 | 12  |
|           | 2315    | 0.5    | 15  |           | 2054    | 0.7    | 21  |           |      |         |     |     |
| <b>3</b>  | 0437    | 6.3    | 192 | <b>15</b> | 0222    | 6.2    | 189 | <b>27</b> | 0002 | 7.0     | 213 |     |
|           | 1208    | 0.3    | 9   |           | 0932    | 0.5    | 15  |           |      | 0722    | 0.1 | 3   |
|           | Th 1720 | 5.2    | 158 |           | Tu 1451 | 5.2    | 158 |           |      | Su 1232 | 6.2 | 189 |
|           |         |        |     |           | 2126    | 0.8    | 24  |           |      | ● 1933  | 0.4 | 12  |
| <b>4</b>  | 0011    | 0.6    | 18  | <b>16</b> | 0254    | 6.2    | 189 | <b>28</b> | 0050 | 7.1     | 216 |     |
|           | 0538    | 6.0    | 183 |           | 1012    | 0.6    | 18  |           |      | 0817    | 0.0 | 0   |
|           | F 1306  | 0.5    | 15  |           | W 1527  | 5.1    | 155 |           |      | M 1323  | 6.1 | 186 |
|           | 1824    | 5.0    | 152 |           | 2158    | 0.8    | 24  |           |      | 2023    | 0.4 | 12  |
| <b>5</b>  | 0109    | 0.7    | 21  | <b>17</b> | 0325    | 6.2    | 189 | <b>29</b> | 0139 | 7.2     | 219 |     |
|           | 0644    | 5.8    | 177 |           | 1053    | 0.7    | 21  |           |      | 0909    | 0.1 | 3   |
|           | Sa 1405 | 0.5    | 15  |           | Th 1604 | 5.0    | 152 |           |      | Tu 1415 | 5.9 | 180 |
|           | ● 1929  | 5.0    | 152 |           | 2231    | 0.8    | 24  |           |      | 2112    | 0.5 | 15  |
| <b>6</b>  | 0209    | 0.7    | 21  | <b>18</b> | 0400    | 6.1    | 186 | <b>30</b> | 0229 | 7.1     | 216 |     |
|           | 0751    | 5.6    | 171 |           | 1138    | 0.7    | 21  |           |      | 1001    | 0.2 | 6   |
|           | Su 1503 | 0.5    | 15  |           | F 1645  | 4.9    | 149 |           |      | W 1509  | 5.7 | 174 |
|           | 2032    | 5.1    | 155 |           | 2312    | 0.8    | 24  |           |      | 2202    | 0.7 | 21  |
| <b>7</b>  | 0310    | 0.7    | 21  | <b>19</b> | 0444    | 6.0    | 183 |           |      |         |     |     |
|           | 0855    | 5.6    | 171 |           | 1227    | 0.8    | 24  |           |      |         |     |     |
|           | M 1559  | 0.5    | 15  |           | Sa 1736 | 4.8    | 146 |           |      |         |     |     |
|           | 2131    | 5.3    | 162 |           |         |        |     |           |      |         |     |     |
| <b>8</b>  | 0409    | 0.6    | 18  | <b>20</b> | 0005    | 0.8    | 24  |           |      |         |     |     |
|           | 0954    | 5.7    | 174 |           | 0538    | 5.9    | 180 |           |      |         |     |     |
|           | Tu 1651 | 0.4    | 12  |           | Su 1320 | 0.8    | 24  |           |      |         |     |     |
|           | 2224    | 5.6    | 171 |           | 1834    | 4.8    | 146 |           |      |         |     |     |
| <b>9</b>  | 0504    | 0.4    | 12  | <b>21</b> | 0107    | 0.8    | 24  |           |      |         |     |     |
|           | 1046    | 5.8    | 177 |           | 0643    | 5.9    | 180 |           |      |         |     |     |
|           | W 1739  | 0.3    | 9   |           | M 1415  | 0.7    | 21  |           |      |         |     |     |
|           | 2311    | 5.8    | 177 |           | ● 1936  | 5.0    | 152 |           |      |         |     |     |
| <b>10</b> | 0555    | 0.3    | 9   | <b>22</b> | 0215    | 0.8    | 24  |           |      |         |     |     |
|           | 1132    | 5.8    | 177 |           | 0750    | 5.8    | 177 |           |      |         |     |     |
|           | Th 1823 | 0.4    | 12  |           | Tu 1511 | 0.7    | 21  |           |      |         |     |     |
|           | 2354    | 6.1    | 186 |           | 2036    | 5.3    | 162 |           |      |         |     |     |
| <b>11</b> | 0643    | 0.3    | 9   | <b>23</b> | 0323    | 0.7    | 21  |           |      |         |     |     |
|           | 1215    | 5.8    | 177 |           | 0854    | 5.9    | 180 |           |      |         |     |     |
|           | F 1904  | 0.4    | 12  |           | W 1607  | 0.6    | 18  |           |      |         |     |     |
|           |         |        |     |           | 2132    | 5.7    | 174 |           |      |         |     |     |
| <b>12</b> | 0034    | 6.2    | 189 | <b>24</b> | 0428    | 0.5    | 15  |           |      |         |     |     |
|           | 0728    | 0.3    | 9   |           | 0954    | 6.0    | 183 |           |      |         |     |     |
|           | Sa 1256 | 5.7    | 174 |           | Th 1701 | 0.5    | 15  |           |      |         |     |     |
|           | 1943    | 0.5    | 15  |           | 2225    | 6.2    | 189 |           |      |         |     |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# MARCUS HOOK BAR (North)

APRIL 2025

deb2119 (16 ft.)

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               |           | 0100            | 2.1F       | <b>13</b>             | 0224      | 0605            | 1.9E       | <b>25</b>   |           | 0314            | 2.0E       |
| Tu                     | 0427      | 0838            | 2.1E       | Su                    | 0914      | 1120            | 1.6F       | F           | 0644      | 0854            | 1.9F       |
|                        | 1131      | 1337            | 1.9F       |                       | 1440      | 1748            | 1.8E       |             | 1217      | 1541            | 2.0E       |
|                        | 1654      | 2016            | 2.0E       |                       | 2125      | 2331            | 1.7F       |             | 1912      | 2123            | 1.9F       |
|                        | 2339      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>2</b>               |           | 0149            | 2.1F       | <b>14</b>             | 0258      | 0616            | 1.9E       | <b>26</b>   | 0042      | 0426            | 2.1E       |
| W                      | 0522      | 0948            | 2.1E       | M                     | 0956      | 1156            | 1.6F       | Sa          | 0739      | 0951            | 2.0F       |
|                        | 1228      | 1432            | 1.7F       |                       | 1517      | 1814            | 1.8E       |             | 1310      | 1638            | 2.0E       |
|                        | 1748      | 2112            | 2.0E       |                       | 2158      |                 |            |             | 2000      | 2212            | 2.0F       |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>3</b>               |           | 0031            | 2.0F       | <b>15</b>             |           | 0006            | 1.9F       | <b>27</b>   | 0132      | 0533            | 2.2E       |
| Th                     | 0620      | 1053            | 2.1E       | Tu                    | 0333      | 0645            | 1.9E       | Su          | 0832      | 1044            | 2.0F       |
|                        | 1326      | 1531            | 1.5F       |                       | 1040      | 1236            | 1.6F       |             | 1401      | 1727            | 2.1E       |
|                        | 1845      | 2213            | 1.9E       |                       | 1554      | 1849            | 1.8E       |             | 2047      | 2259            | 2.1F       |
|                        |           |                 |            |                       | 2233      |                 |            |             |           |                 |            |
| <b>4</b>               |           | 0124            | 1.9F       | <b>16</b>             |           | 0046            | 2.0F       | <b>28</b>   | 0222      | 0637            | 2.2E       |
| F                      | 0720      | 1155            | 2.1E       | W                     | 0410      | 0722            | 1.9E       | M           | 0926      | 1137            | 2.0F       |
|                        | 1425      | 1653            | 1.4F       |                       | 1127      | 1320            | 1.5F       |             | 1451      | 1815            | 2.0E       |
|                        | 1946      | 2320            | 1.9E       |                       | 1632      | 1930            | 1.8E       |             | 2135      | 2347            | 2.1F       |
|                        |           |                 |            |                       | 2311      |                 |            |             |           |                 |            |
| <b>5</b>               |           | 0221            | 1.7F       | <b>17</b>             |           | 0130            | 2.1F       | <b>29</b>   | 0314      | 0740            | 2.2E       |
| Sa                     | 0821      | 1255            | 2.1E       | Th                    | 0451      | 0806            | 1.9E       | Tu          | 1021      | 1230            | 1.8F       |
|                        | 1525      | 1832            | 1.4F       |                       | 1216      | 1406            | 1.4F       |             | 1542      | 1905            | 2.0E       |
|                        | 2049      |                 |            |                       | 1714      | 2016            | 1.8E       |             | 2224      |                 |            |
|                        |           |                 |            |                       | 2352      |                 |            |             |           |                 |            |
| <b>6</b>               |           | 0031            | 1.8E       | <b>18</b>             |           | 0216            | 2.2F       | <b>30</b>   |           | 0036            | 2.1F       |
| Su                     | 0320      | 0536            | 1.5F       | F                     | 0535      | 0855            | 1.9E       | W           | 0408      | 0843            | 2.2E       |
|                        | 0921      | 1353            | 2.1E       |                       | 1306      | 1453            | 1.3F       |             | 1117      | 1326            | 1.7F       |
|                        | 1624      | 1938            | 1.5F       |                       | 1801      | 2107            | 1.7E       |             | 1635      | 2001            | 1.9E       |
|                        | 2151      |                 |            |                       |           |                 |            |             | 2315      |                 |            |
| <b>7</b>               |           | 0143            | 1.8E       | <b>19</b>             | 0039      | 0304            | 2.1F       |             |           |                 |            |
| M                      | 0422      | 0745            | 1.5F       | Sa                    | 0623      | 0946            | 1.9E       |             |           |                 |            |
|                        | 1018      | 1449            | 2.1E       |                       | 1358      | 1544            | 1.3F       |             |           |                 |            |
|                        | 1720      | 2033            | 1.6F       |                       | 1857      | 2202            | 1.7E       |             |           |                 |            |
|                        | 2249      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>               |           | 0249            | 1.9E       | <b>20</b>             | 0133      | 0354            | 2.1F       |             |           |                 |            |
| Tu                     | 0523      | 0845            | 1.5F       | Su                    | 0717      | 1040            | 1.9E       |             |           |                 |            |
|                        | 1111      | 1541            | 2.1E       |                       | 1450      | 1637            | 1.3F       |             |           |                 |            |
|                        | 1810      | 2123            | 1.7F       |                       | 1959      | 2300            | 1.7E       |             |           |                 |            |
|                        | 2342      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>               |           | 0347            | 2.0E       | <b>21</b>             | 0233      | 0449            | 1.9F       |             |           |                 |            |
| W                      | 0618      | 0934            | 1.6F       | M                     | 0817      | 1135            | 1.9E       |             |           |                 |            |
|                        | 1159      | 1629            | 2.1E       |                       | 1544      | 1733            | 1.3F       |             |           |                 |            |
|                        | 1855      | 2207            | 1.8F       |                       | 2103      |                 |            |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>10</b>              |           | 0029            | 2.0E       | <b>22</b>             |           | 0000            | 1.7E       |             |           |                 |            |
| Th                     | 0707      | 1015            | 1.6F       | Tu                    | 0337      | 0547            | 1.8F       |             |           |                 |            |
|                        | 1243      | 1711            | 2.1E       |                       | 0920      | 1232            | 1.8E       |             |           |                 |            |
|                        | 1936      | 2245            | 1.8F       |                       | 1638      | 1834            | 1.4F       |             |           |                 |            |
|                        |           |                 |            |                       | 2203      |                 |            |             |           |                 |            |
| <b>11</b>              |           | 0111            | 2.0E       | <b>23</b>             |           | 0102            | 1.8E       |             |           |                 |            |
| F                      | 0751      | 1045            | 1.6F       | W                     | 0443      | 0650            | 1.7F       |             |           |                 |            |
|                        | 1324      | 1745            | 2.0E       |                       | 1022      | 1333            | 1.9E       |             |           |                 |            |
|                        | 2014      | 2309            | 1.7F       |                       | 1732      | 1934            | 1.5F       |             |           |                 |            |
|                        |           |                 |            |                       | 2259      |                 |            |             |           |                 |            |
| <b>12</b>              |           | 0149            | 2.0E       | <b>24</b>             |           | 0206            | 1.9E       |             |           |                 |            |
| Sa                     | 0833      | 1055            | 1.6F       | Th                    | 0546      | 0753            | 1.8F       |             |           |                 |            |
|                        | 1403      | 1756            | 1.9E       |                       | 1121      | 1436            | 1.9E       |             |           |                 |            |
|                        | 2050      | 2306            | 1.6F       |                       | 1823      | 2031            | 1.7F       |             |           |                 |            |
|                        |           |                 |            |                       | 2352      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# MARCUS HOOK, PENNSYLVANIA

MAY 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Day                 | Time   |     | Height |                 | Day    | Time |      | Height          |                                                                                     |     |     |
|---------------------|--------|-----|--------|-----------------|--------|------|------|-----------------|-------------------------------------------------------------------------------------|-----|-----|
|                     | h.m.   | ft. | cm     | ft.             |        | cm   | h.m. | ft.             | cm                                                                                  |     |     |
| <b>1</b><br>Th      | 0322   | 6.8 | 207    | <b>13</b><br>Tu | 0118   | 6.5  | 198  | <b>25</b><br>Su | 0609                                                                                | 0.4 | 12  |
|                     | 1054   | 0.3 | 9      |                 | 0830   | 0.5  | 15   |                 | 1118                                                                                | 5.9 | 180 |
|                     | 1604   | 5.5 | 168    |                 | 1348   | 5.3  | 162  |                 | 1815                                                                                | 0.5 | 15  |
|                     | 2254   | 0.8 | 24     |                 | 2023   | 0.9  | 27   |                 | 2339                                                                                | 7.1 | 216 |
| <b>2</b><br>F       | 0417   | 6.5 | 198    | <b>14</b><br>W  | 0152   | 6.5  | 198  | <b>26</b><br>M  | 0705                                                                                | 0.3 | 9   |
|                     | 1148   | 0.5 | 15     |                 | 0912   | 0.6  | 18   |                 | 1211                                                                                | 5.9 | 180 |
|                     | 1703   | 5.4 | 165    |                 | 1425   | 5.1  | 155  |                 | 1908                                                                                | 0.6 | 18  |
|                     | 2349   | 0.9 | 27     |                 | 2059   | 0.9  | 27   |                 |                                                                                     |     |     |
| <b>3</b><br>Sa      | 0517   | 6.2 | 189    | <b>15</b><br>Th | 0225   | 6.5  | 198  | <b>27</b><br>Tu | 0029                                                                                | 7.2 | 219 |
|                     | 1243   | 0.6 | 18     |                 | 0952   | 0.6  | 18   |                 | 0800                                                                                | 0.2 | 6   |
|                     | 1805   | 5.3 | 162    |                 | 1501   | 5.1  | 155  |                 | 1304                                                                                | 5.8 | 177 |
|                     |        |     |        |                 | 2134   | 0.9  | 27   |                 | ● 2000                                                                              | 0.6 | 18  |
| <b>4</b><br>Su<br>● | 0046   | 1.0 | 30     | <b>16</b><br>F  | 0258   | 6.4  | 195  | <b>28</b><br>W  | 0119                                                                                | 7.2 | 219 |
|                     | 0621   | 5.9 | 180    |                 | 1033   | 0.7  | 21   |                 | 0853                                                                                | 0.2 | 6   |
|                     | 1337   | 0.6 | 18     |                 | 1538   | 5.0  | 152  |                 | 1357                                                                                | 5.7 | 174 |
|                     | ● 1907 | 5.3 | 162    |                 | 2212   | 0.9  | 27   |                 | 2051                                                                                | 0.7 | 21  |
| <b>5</b><br>M       | 0144   | 1.0 | 30     | <b>17</b><br>Sa | 0334   | 6.4  | 195  | <b>29</b><br>Th | 0211                                                                                | 7.0 | 213 |
|                     | 0725   | 5.8 | 177    |                 | 1116   | 0.7  | 21   |                 | 0944                                                                                | 0.3 | 9   |
|                     | 1431   | 0.6 | 18     |                 | 1619   | 5.0  | 152  |                 | 1451                                                                                | 5.6 | 171 |
|                     | 2007   | 5.4 | 165    |                 | 2255   | 0.9  | 27   |                 | 2142                                                                                | 0.8 | 24  |
| <b>6</b><br>Tu      | 0243   | 0.9 | 27     | <b>18</b><br>Su | 0418   | 6.3  | 192  | <b>30</b><br>F  | 0303                                                                                | 6.8 | 207 |
|                     | 0826   | 5.7 | 174    |                 | 1202   | 0.7  | 21   |                 | 1034                                                                                | 0.4 | 12  |
|                     | 1523   | 0.6 | 18     |                 | 1707   | 5.1  | 155  |                 | 1546                                                                                | 5.5 | 168 |
|                     | 2103   | 5.7 | 174    |                 | 2349   | 0.9  | 27   |                 | 2233                                                                                | 0.9 | 27  |
| <b>7</b><br>W       | 0341   | 0.8 | 24     | <b>19</b><br>M  | 0511   | 6.2  | 189  | <b>31</b><br>Sa | 0357                                                                                | 6.5 | 198 |
|                     | 0924   | 5.7 | 174    |                 | 1251   | 0.7  | 21   |                 | 1125                                                                                | 0.5 | 15  |
|                     | 1613   | 0.5 | 15     |                 | 1804   | 5.2  | 158  |                 | 1642                                                                                | 5.4 | 165 |
|                     | 2155   | 5.9 | 180    |                 |        |      |      |                 | 2326                                                                                | 1.0 | 30  |
| <b>8</b><br>Th      | 0436   | 0.6 | 18     | <b>20</b><br>Tu | 0050   | 0.9  | 27   | ●               | Time meridian 75° W.                                                                |     |     |
|                     | 1016   | 5.7 | 174    |                 | 0613   | 6.0  | 183  |                 | 0000 is midnight.                                                                   |     |     |
|                     | 1700   | 0.5 | 15     |                 | 1342   | 0.6  | 18   |                 | 1200 is noon.                                                                       |     |     |
|                     | 2242   | 6.2 | 189    |                 | ● 1904 | 5.5  | 168  |                 | Heights are referred to mean lower low water which is the chart datum of soundings. |     |     |
| <b>9</b><br>F       | 0528   | 0.5 | 15     | <b>21</b><br>W  | 0155   | 0.8  | 24   | <b>22</b><br>Th | 0302                                                                                | 0.8 | 24  |
|                     | 1104   | 5.7 | 174    |                 | 0719   | 5.9  | 180  |                 | 0824                                                                                | 5.9 | 180 |
|                     | 1744   | 0.6 | 18     |                 | 1436   | 0.6  | 18   |                 | 1531                                                                                | 0.5 | 15  |
|                     | 2325   | 6.4 | 195    |                 | 2004   | 5.8  | 177  |                 | 2101                                                                                | 6.2 | 189 |
| <b>10</b><br>Sa     | 0616   | 0.4 | 12     | <b>23</b><br>F  | 0407   | 0.6  | 18   | <b>24</b><br>Sa | 0510                                                                                | 0.5 | 15  |
|                     | 1148   | 5.6 | 171    |                 | 0926   | 5.9  | 180  |                 | 1024                                                                                | 5.9 | 180 |
|                     | 1826   | 0.6 | 18     |                 | 1626   | 0.5  | 15   |                 | 1721                                                                                | 0.5 | 15  |
|                     |        |     |        |                 | 2157   | 6.6  | 201  |                 | 2249                                                                                | 6.9 | 210 |
| <b>11</b><br>Su     | 0005   | 6.5 | 198    | <b>24</b><br>M  | 0747   | 0.4  | 12   | O               | 0043                                                                                | 6.5 | 198 |
|                     | 0703   | 0.4 | 12     |                 | 1309   | 5.4  | 165  |                 | 0747                                                                                | 0.4 | 12  |
|                     | 1229   | 5.5 | 168    |                 | 1907   | 0.7  | 21   |                 | 1309                                                                                | 5.4 | 165 |
|                     |        |     |        |                 |        |      |      |                 | 1946                                                                                | 0.8 | 24  |

### DAYLIGHT SAVING TIME

Times ARE adjusted for DST.



# MARCUS HOOK BAR (North)

MAY 2025

deb2119 (16 ft.)

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0504      | 0127            | 2.0F       | <b>13</b>             | 0229      | 0601            | 1.9E       | <b>25</b>   | 0016      | 0424            | 2.1E       |
| Th                     | 1214      | 0944            | 2.2E       | Tu                    | 0937      | 1133            | 1.4F       | Su          | 0720      | 0934            | 1.8F       |
|                        | 1731      | 1425            | 1.5F       |                       | 1450      | 1745            | 1.8E       |             | 1245      | 1602            | 1.9E       |
|                        |           | 2105            | 1.9E       |                       | 2124      | 2336            | 2.0F       |             | 1932      | 2146            | 2.0F       |
| <b>2</b>               | 0008      | 0218            | 1.9F       | <b>14</b>             | 0306      | 0629            | 1.9E       | <b>26</b>   | 0110      | 0539            | 2.2E       |
| F                      | 0601      | 1041            | 2.2E       | W                     | 1023      | 1214            | 1.4F       | M           | 0817      | 1032            | 1.8F       |
|                        | 1309      | 1535            | 1.4F       |                       | 1529      | 1823            | 1.7E       |             | 1338      | 1702            | 1.9E       |
|                        | 1829      | 2212            | 1.9E       |                       | 2202      |                 |            |             | 2021      | 2236            | 2.1F       |
| <b>3</b>               | 0103      | 0311            | 1.8F       | <b>15</b>             | 0345      | 0019            | 2.1F       | <b>27</b>   | 0203      | 0641            | 2.2E       |
| Sa                     | 0658      | 1135            | 2.1E       | Th                    | 1110      | 0705            | 1.9E       | Tu          | 0913      | 1128            | 1.7F       |
|                        | 1404      | 1658            | 1.4F       |                       | 1610      | 1258            | 1.4F       |             | 1430      | 1759            | 1.9E       |
|                        | 1929      | 2315            | 1.9E       |                       | 2243      | 1906            | 1.7E       |             | 2111      | 2325            | 2.1F       |
| <b>4</b>               | 0200      | 0407            | 1.6F       | <b>16</b>             | 0425      | 0103            | 2.1F       | <b>28</b>   | 0257      | 0739            | -2.2E      |
| Su                     | 0755      | 1227            | 2.1E       | F                     | 1157      | 0746            | 1.9E       | W           | 1008      | 1225            | 1.6F       |
|                        | 1457      | 1808            | 1.5F       |                       | 1655      | 1343            | 1.4F       |             | 1523      | 1857            | -1.9E      |
|                        | 2029      |                 |            |                       | 2330      | 1954            | 1.7E       |             | 2201      |                 |            |
| <b>5</b>               |           | 0016            | 1.9E       | <b>17</b>             | 0508      | 0151            | 2.1F       | <b>29</b>   |           | 0015            | 2.0F       |
| M                      | 0258      | 0513            | 1.4F       | Sa                    | 1243      | 0832            | 1.9E       | Th          | 0351      | 0834            | 2.2E       |
|                        | 0851      | 1318            | 2.0E       |                       | 1744      | 1431            | 1.4F       |             | 1102      | 1326            | 1.5F       |
|                        | 1549      | 1908            | 1.5F       |                       |           | 2047            | 1.7E       |             | 1618      | 1959            | 1.9E       |
|                        | 2126      |                 |            |                       |           |                 |            |             | 2254      |                 |            |
| <b>6</b>               |           | 0115            | 1.9E       | <b>18</b>             | 0021      | 0240            | 2.1F       | <b>30</b>   |           | 0106            | 1.9F       |
| Tu                     | 0357      | 0715            | 1.4F       | Su                    | 0555      | 0920            | 1.9E       | F           | 0445      | 0928            | 2.2E       |
|                        | 0945      | 1409            | 2.0E       |                       | 1329      | 1520            | 1.4F       |             | 1155      | 1428            | 1.5F       |
|                        | 1640      | 2001            | 1.6F       |                       | 1838      | 2143            | 1.7E       |             | 1714      | 2102            | 1.9E       |
|                        | 2219      |                 |            |                       |           |                 |            |             | 2348      |                 |            |
| <b>7</b>               |           | 0213            | 2.0E       | <b>19</b>             | 0116      | 0331            | 2.0F       | <b>31</b>   |           | 0157            | 1.8F       |
| W                      | 0455      | 0815            | 1.4F       | M                     | 0648      | 1012            | 1.9E       | Sa          | 0538      | 1019            | 2.2E       |
|                        | 1036      | 1458            | 2.0E       |                       | 1416      | 1610            | 1.5F       |             | 1245      | 1530            | 1.5F       |
|                        | 1729      | 2049            | 1.7F       |                       | 1935      | 2240            | 1.8E       |             | 1810      | 2201            | 1.9E       |
|                        | 2309      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>               |           | 0309            | 2.0E       | <b>20</b>             | 0215      | 0425            | 1.9F       |             |           |                 |            |
| Th                     | 0549      | 0904            | 1.5F       | Tu                    | 0747      | 1105            | 1.9E       |             |           |                 |            |
|                        | 1125      | 1544            | 1.9E       |                       | 1506      | 1704            | 1.5F       |             |           |                 |            |
|                        | 1815      | 2132            | 1.7F       |                       | 2033      | 2337            | 1.8E       |             |           |                 |            |
|                        | 2354      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>               |           | 0359            | 2.0E       | <b>21</b>             | 0317      | 0523            | 1.8F       |             |           |                 |            |
| F                      | 0638      | 0945            | 1.5F       | W                     | 0850      | 1159            | 1.9E       |             |           |                 |            |
|                        | 1210      | 1624            | 1.9E       |                       | 1559      | 1800            | 1.6F       |             |           |                 |            |
|                        | 1857      | 2206            | 1.7F       |                       | 2131      |                 |            |             |           |                 |            |
| <b>10</b>              |           | 0444            | 2.0E       | <b>22</b>             |           | 0035            | 1.9E       |             |           |                 |            |
| Sa                     | 0036      | 0724            | 1.6F       | Th                    | 0420      | 0625            | 1.7F       |             |           |                 |            |
|                        | 0724      | 1017            | 1.6F       |                       | 0953      | 1256            | 1.9E       |             |           |                 |            |
|                        | 1253      | 1647            | 1.9E       |                       | 1654      | 1859            | 1.6F       |             |           |                 |            |
|                        | 1936      | 2210            | 1.6F       |                       | 2227      |                 |            |             |           |                 |            |
| <b>11</b>              |           | 0522            | 2.0E       | <b>23</b>             |           | 0136            | 1.9E       |             |           |                 |            |
| Su                     | 0115      | 0808            | 1.5F       | F                     | 0522      | 0729            | 1.8F       |             |           |                 |            |
|                        | 0808      | 1031            | 1.5F       |                       | 1053      | 1356            | 1.9E       |             |           |                 |            |
|                        | 1333      | 1648            | 1.8E       |                       | 1748      | 1958            | 1.8F       |             |           |                 |            |
|                        | 2013      | 2225            | 1.7F       |                       | 2322      |                 |            |             |           |                 |            |
| <b>12</b>              |           | 0546            | 2.0E       | <b>24</b>             |           | 0245            | 2.0E       |             |           |                 |            |
| M                      | 0152      | 0852            | 1.5F       | Sa                    | 0622      | 0833            | 1.8F       |             |           |                 |            |
|                        | 0852      | 1057            | 1.5F       |                       | 1151      | 1458            | 1.9E       |             |           |                 |            |
|                        | 1412      | 1712            | 1.8E       |                       | 1841      | 2053            | 1.9F       |             |           |                 |            |
|                        | 2049      | 2258            | 1.9F       |                       |           |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# MARCUS HOOK, PENNSYLVANIA

JUNE 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

|                     | Time |      | Height |    |                     | Time |      | Height |      |                     | Time |      | Height |    |
|---------------------|------|------|--------|----|---------------------|------|------|--------|------|---------------------|------|------|--------|----|
|                     | Day  | h.m. | ft.    | cm |                     | Day  | h.m. | ft.    | cm   |                     | Day  | h.m. | ft.    | cm |
| <b>1</b><br>Su      | 0454 | 6.2  | 189    |    | <b>13</b><br>F      | 0201 | 6.6  | 201    |      | <b>25</b><br>W<br>● | 0012 | 7.0  | 213    |    |
|                     | 1215 | 0.6  | 18     |    |                     | 0931 | 0.6  | 18     |      |                     | 0744 | 0.3  | 9      |    |
|                     | 1740 | 5.4  | 165    |    |                     | 1438 | 5.1  | 155    |      |                     | 1247 | 5.6  | 171    |    |
|                     |      |      |        |    | 2116                | 0.8  | 24   |        | 1941 | 0.7                 | 21   |      |        |    |
| <b>2</b><br>M       | 0020 | 1.0  | 30     |    | <b>14</b><br>Sa     | 0237 | 6.5  | 198    |      | <b>26</b><br>Th     | 0103 | 7.0  | 213    |    |
|                     | 0553 | 6.0  | 183    |    |                     | 1012 | 0.6  | 18     |      |                     | 0835 | 0.3  | 9      |    |
|                     | 1304 | 0.6  | 18     |    |                     | 1516 | 5.2  | 158    |      |                     | 1340 | 5.6  | 171    |    |
|                     | 1838 | 5.5  | 168    |    |                     | 2159 | 0.8  | 24     |      |                     | 2032 | 0.8  | 24     |    |
| <b>3</b><br>Tu<br>● | 0115 | 1.0  | 30     |    | <b>15</b><br>Su     | 0316 | 6.5  | 198    |      | <b>27</b><br>F      | 0154 | 6.9  | 210    |    |
|                     | 0653 | 5.7  | 174    |    |                     | 1054 | 0.5  | 15     |      |                     | 0924 | 0.3  | 9      |    |
|                     | 1353 | 0.6  | 18     |    |                     | 1557 | 5.3  | 162    |      |                     | 1432 | 5.6  | 171    |    |
|                     | 1934 | 5.6  | 171    |    |                     | 2245 | 0.8  | 24     |      |                     | 2122 | 0.8  | 24     |    |
| <b>4</b><br>W       | 0211 | 1.0  | 30     |    | <b>16</b><br>M      | 0400 | 6.4  | 195    |      | <b>28</b><br>Sa     | 0245 | 6.7  | 204    |    |
|                     | 0751 | 5.6  | 171    |    |                     | 1137 | 0.5  | 15     |      |                     | 1011 | 0.4  | 12     |    |
|                     | 1442 | 0.6  | 18     |    |                     | 1644 | 5.4  | 165    |      |                     | 1524 | 5.5  | 168    |    |
|                     | 2028 | 5.8  | 177    |    |                     | 2338 | 0.8  | 24     |      |                     | 2211 | 0.9  | 27     |    |
| <b>5</b><br>Th      | 0308 | 0.9  | 27     |    | <b>17</b><br>Tu     | 0451 | 6.2  | 189    |      | <b>29</b><br>Su     | 0336 | 6.4  | 195    |    |
|                     | 0848 | 5.4  | 165    |    |                     | 1223 | 0.5  | 15     |      |                     | 1056 | 0.5  | 15     |    |
|                     | 1530 | 0.6  | 18     |    |                     | 1738 | 5.6  | 171    |      |                     | 1616 | 5.5  | 168    |    |
|                     | 2120 | 6.0  | 183    |    |                     |      |      |        |      |                     | 2300 | 0.9  | 27     |    |
| <b>6</b><br>F       | 0403 | 0.7  | 21     |    | <b>18</b><br>W<br>● | 0038 | 0.8  | 24     |      | <b>30</b><br>M      | 0427 | 6.2  | 189    |    |
|                     | 0941 | 5.4  | 165    |    |                     | 0550 | 6.0  | 183    |      |                     | 1141 | 0.5  | 15     |    |
|                     | 1617 | 0.6  | 18     |    |                     | 1312 | 0.4  | 12     |      |                     | 1708 | 5.6  | 171    |    |
|                     | 2208 | 6.2  | 189    |    |                     | 1836 | 5.8  | 177    |      |                     | 2351 | 1.0  | 30     |    |
| <b>7</b><br>Sa      | 0457 | 0.6  | 18     |    | <b>19</b><br>Th     | 0140 | 0.8  | 24     |      |                     |      |      |        |    |
|                     | 1031 | 5.3  | 162    |    |                     | 0653 | 5.8  | 177    |      |                     |      |      |        |    |
|                     | 1703 | 0.7  | 21     |    |                     | 1404 | 0.4  | 12     |      |                     |      |      |        |    |
|                     | 2253 | 6.4  | 195    |    |                     | 1935 | 6.1  | 186    |      |                     |      |      |        |    |
| <b>8</b><br>Su      | 0547 | 0.5  | 15     |    | <b>20</b><br>F      | 0245 | 0.8  | 24     |      |                     |      |      |        |    |
|                     | 1118 | 5.3  | 162    |    |                     | 0758 | 5.6  | 171    |      |                     |      |      |        |    |
|                     | 1747 | 0.7  | 21     |    |                     | 1459 | 0.5  | 15     |      |                     |      |      |        |    |
|                     | 2334 | 6.5  | 198    |    |                     | 2034 | 6.4  | 195    |      |                     |      |      |        |    |
| <b>9</b><br>M       | 0636 | 0.5  | 15     |    | <b>21</b><br>Sa     | 0350 | 0.7  | 21     |      |                     |      |      |        |    |
|                     | 1201 | 5.2  | 158    |    |                     | 0902 | 5.6  | 171    |      |                     |      |      |        |    |
|                     | 1831 | 0.8  | 24     |    |                     | 1557 | 0.5  | 15     |      |                     |      |      |        |    |
|                     |      |      |        |    |                     | 2132 | 6.6  | 201    |      |                     |      |      |        |    |
| <b>10</b><br>Tu     | 0013 | 6.5  | 198    |    | <b>22</b><br>Su     | 0452 | 0.6  | 18     |      |                     |      |      |        |    |
|                     | 0722 | 0.5  | 15     |    |                     | 1002 | 5.5  | 168    |      |                     |      |      |        |    |
|                     | 1242 | 5.2  | 158    |    |                     | 1655 | 0.6  | 18     |      |                     |      |      |        |    |
|                     | 1913 | 0.8  | 24     |    |                     | 2228 | 6.8  | 207    |      |                     |      |      |        |    |
| <b>11</b><br>W<br>○ | 0050 | 6.6  | 201    |    | <b>23</b><br>M      | 0552 | 0.5  | 15     |      |                     |      |      |        |    |
|                     | 0807 | 0.5  | 15     |    |                     | 1059 | 5.6  | 171    |      |                     |      |      |        |    |
|                     | 1322 | 5.1  | 155    |    |                     | 1752 | 0.6  | 18     |      |                     |      |      |        |    |
|                     | 1955 | 0.9  | 27     |    |                     | 2321 | 7.0  | 213    |      |                     |      |      |        |    |
| <b>12</b><br>Th     | 0126 | 6.6  | 201    |    | <b>24</b><br>Tu     | 0649 | 0.4  | 12     |      |                     |      |      |        |    |
|                     | 0850 | 0.5  | 15     |    |                     | 1153 | 5.6  | 171    |      |                     |      |      |        |    |
|                     | 1400 | 5.0  | 152    |    |                     | 1847 | 0.6  | 18     |      |                     |      |      |        |    |
|                     | 2036 | 0.9  | 27     |    |                     |      |      |        |      |                     |      |      |        |    |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# MARCUS HOOK BAR (North)

JUNE 2025

deb2119 (16 ft.)

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                 |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-----------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water     |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day             | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Su         | 0042      | 0249            | 1.7F       | <b>13</b><br>F        | 0323      | 0700            | 1.9E       | <b>25</b><br>W  | 0148      | 0634            | 2.3E       |
|                        | 0630      | 1106            | 2.1E       |                       | 1050      | 1238            | 1.3F       |                 | 0900      | 1135            | 1.6F       |
|                        | 1334      | 1630            | 1.5F       |                       | 1555      | 1852            | 1.6E       |                 | 1414      | 1806            | 1.9E       |
|                        | 1906      | 2254            | 1.9E       |                       | 2226      |                 |            |                 | 2050      | 2308            | 2.0F       |
| <b>2</b><br>M          | 0137      | 0341            | 1.5F       | <b>14</b><br>Sa       | 0404      | 0041            | 2.1F       | <b>26</b><br>Th | 0241      | 0726            | 2.3E       |
|                        | 0722      | 1150            | 2.0E       |                       | 1133      | 0733            | 1.9E       |                 | 0953      | 1232            | 1.6F       |
|                        | 1420      | 1728            | 1.5F       |                       | 1641      | 1323            | 1.4F       |                 | 1508      | 1903            | 1.9E       |
|                        | 1959      | 2344            | 1.9E       |                       | 2316      | 1942            | 1.7E       |                 | 2142      | 2358            | 1.9F       |
| <b>3</b><br>Tu         | 0231      | 0437            | 1.4F       | <b>15</b><br>Su       | 0447      | 0130            | 2.1F       | <b>27</b><br>F  | 0332      | 0816            | 2.3E       |
|                        | 0814      | 1232            | 1.9E       |                       | 1216      | 0813            | .0E        |                 | 1042      | 1326            | 1.6F       |
|                        | 1508      | 1824            | 1.5F       |                       | 1729      | 1409            | 1.6F       |                 | 1601      | 1957            | 1.9E       |
|                        | 2051      |                 |            |                       | 2034      | 2034            | 1.7E       |                 | 2234      |                 |            |
| <b>4</b><br>W          | 0325      | 0032            | 1.9E       | <b>16</b><br>M        | 0008      | 0219            | 2.1F       | <b>28</b><br>Sa | 0421      | 0047            | 1.8F       |
|                        | 0906      | 0541            | 1.3F       |                       | 0534      | 0858            | 2.0E       |                 | 1129      | 0904            | 2.2E       |
|                        | 1555      | 1311            | 1.9E       |                       | 1259      | 1456            | 1.7F       |                 | 1653      | 1415            | 1.6F       |
|                        | 2141      | 1917            | 1.5F       |                       | 1818      | 2128            | 1.8E       |                 | 2327      | 2049            | 1.9E       |
| <b>5</b><br>Th         | 0419      | 0121            | 1.9E       | <b>17</b><br>Tu       | 0102      | 0311            | 2.0F       | <b>29</b><br>Su | 0509      | 0135            | 1.7F       |
|                        | 0957      | 0728            | 1.3F       |                       | 0626      | 0947            | 2.0E       |                 | 1214      | 0948            | 2.1E       |
|                        | 1644      | 1346            | 1.8E       |                       | 1344      | 1545            | 1.7F       |                 | 1744      | 1458            | 1.5F       |
|                        | 2229      | 2005            | 1.5F       |                       | 1910      | 2221            | 1.9E       |                 |           | 2136            | 1.9E       |
| <b>6</b><br>F          | 0513      | 0214            | 1.9E       | <b>18</b><br>W        | 0157      | 0404            | 1.9F       | <b>30</b><br>M  | 0018      | 0223            | 1.6F       |
|                        | 1046      | 0824            | 1.4F       |                       | 0724      | 1039            | 2.0E       |                 | 0556      | 1027            | 2.0E       |
|                        | 1731      | 1417            | 1.8E       |                       | 1433      | 1635            | 1.8F       |                 | 1257      | 1530            | 1.5F       |
|                        | 2315      | 2044            | 1.5F       |                       | 2004      | 2314            | 1.9E       |                 | 1832      | 2217            | 1.9E       |
| <b>7</b><br>Sa         | 0606      | 0312            | 1.9E       | <b>19</b><br>Th       | 0256      | 0500            | 1.8F       |                 |           |                 |            |
|                        | 1134      | 0910            | 1.4F       |                       | 0825      | 1132            | 2.0E       |                 |           |                 |            |
|                        | 1815      | 1451            | 1.8E       |                       | 1525      | 1730            | 1.8F       |                 |           |                 |            |
|                        |           | 2055            | 1.6F       |                       | 2100      |                 |            |                 |           |                 |            |
| <b>8</b><br>Su         | 0000      | 0408            | 2.0E       | <b>20</b><br>F        | 0357      | 0010            | 1.9E       |                 |           |                 |            |
|                        | 0657      | 0948            | 1.4F       |                       | 0927      | 0601            | 1.7F       |                 |           |                 |            |
|                        | 1220      | 1527            | 1.8E       |                       | 1621      | 1227            | 1.9E       |                 |           |                 |            |
|                        | 1857      | 2115            | 1.7F       |                       | 2159      | 1827            | 1.7F       |                 |           |                 |            |
| <b>9</b><br>M          | 0043      | 0459            | 2.0E       | <b>21</b><br>Sa       | 0501      | 0112            | 1.9E       |                 |           |                 |            |
|                        | 0746      | 1011            | 1.4F       |                       | 1028      | 0706            | 1.6F       |                 |           |                 |            |
|                        | 1304      | 1604            | 1.7E       |                       | 1717      | 1325            | 1.9E       |                 |           |                 |            |
|                        | 1937      | 2150            | 1.8F       |                       | 2258      | 1928            | 1.8F       |                 |           |                 |            |
| <b>10</b><br>Tu        | 0125      | 0543            | 2.0E       | <b>22</b><br>Su       | 0605      | 0245            | 1.9E       |                 |           |                 |            |
|                        | 0834      | 1038            | 1.3F       |                       | 1126      | 0817            | 1.6F       |                 |           |                 |            |
|                        | 1347      | 1643            | 1.7E       |                       | 1813      | 1428            | 1.9E       |                 |           |                 |            |
|                        | 2016      | 2229            | 1.9F       |                       | 2356      | 2027            | 1.9F       |                 |           |                 |            |
| <b>11</b><br>W         | 0205      | 0619            | 2.0E       | <b>23</b><br>M        | 0707      | 0434            | 2.0E       |                 |           |                 |            |
|                        | 0921      | 1115            | 1.3F       |                       | 1223      | 0929            | 1.6F       |                 |           |                 |            |
|                        | 1429      | 1723            | 1.7E       |                       | 1907      | 1539            | 1.8E       |                 |           |                 |            |
|                        | 2056      | 2310            | 2.0F       |                       |           | 2124            | 1.9F       |                 |           |                 |            |
| <b>12</b><br>Th        | 0244      | 0637            | 2.0E       | <b>24</b><br>Tu       | 0053      | 0538            | 2.2E       |                 |           |                 |            |
|                        | 1006      | 1155            | 1.3F       |                       | 0805      | 1035            | 1.6F       |                 |           |                 |            |
|                        | 1511      | 1806            | 1.6E       |                       | 1319      | 1659            | 1.8E       |                 |           |                 |            |
|                        | 2139      | 2355            | 2.1F       |                       | 1959      | 2217            | 2.0F       |                 |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.

# MARCUS HOOK, PENNSYLVANIA

JULY 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>  | 0521    | 5.9    | 180 | <b>13</b> | 0219    | 6.6    | 201 | <b>25</b> | 0048    | 6.8    | 207 |
|           | 1226    | 0.6    | 18  |           | 0948    | 0.4    | 12  |           | 0814    | 0.4    | 12  |
|           | Tu 1801 | 5.6    | 171 |           | Su 1453 | 5.5    | 168 |           | F 1322  | 5.6    | 171 |
|           |         |        |     |           | 2146    | 0.6    | 18  |           | 2013    | 0.7    | 21  |
| <b>2</b>  | 0043    | 1.0    | 30  | <b>14</b> | 0300    | 6.6    | 201 | <b>26</b> | 0137    | 6.7    | 204 |
|           | 0616    | 5.6    | 171 |           | 1029    | 0.3    | 9   |           | 0900    | 0.4    | 12  |
|           | W 1311  | 0.6    | 18  |           | M 1535  | 5.7    | 174 |           | Sa 1411 | 5.7    | 174 |
| ☉         | 1854    | 5.7    | 174 |           | 2234    | 0.6    | 18  |           | 2101    | 0.8    | 24  |
| <b>3</b>  | 0137    | 1.0    | 30  | <b>15</b> | 0345    | 6.4    | 195 | <b>27</b> | 0225    | 6.5    | 198 |
|           | 0712    | 5.4    | 165 |           | 1111    | 0.3    | 9   |           | 0943    | 0.4    | 12  |
|           | Th 1356 | 0.7    | 21  |           | Tu 1621 | 5.9    | 180 |           | Su 1459 | 5.7    | 174 |
|           | 1947    | 5.8    | 177 |           | 2327    | 0.7    | 21  |           | 2148    | 0.8    | 24  |
| <b>4</b>  | 0232    | 0.9    | 27  | <b>16</b> | 0435    | 6.2    | 189 | <b>28</b> | 0311    | 6.3    | 192 |
|           | 0808    | 5.2    | 158 |           | 1156    | 0.3    | 9   |           | 1024    | 0.5    | 15  |
|           | F 1443  | 0.7    | 21  |           | W 1713  | 6.0    | 183 |           | M 1545  | 5.8    | 177 |
|           | 2039    | 5.9    | 180 |           |         |        |     |           | 2233    | 0.9    | 27  |
| <b>5</b>  | 0328    | 0.8    | 24  | <b>17</b> | 0025    | 0.7    | 21  | <b>29</b> | 0358    | 6.1    | 186 |
|           | 0904    | 5.1    | 155 |           | 0531    | 5.9    | 180 |           | 1104    | 0.6    | 18  |
|           | Sa 1531 | 0.7    | 21  |           | Th 1244 | 0.4    | 12  |           | Tu 1632 | 5.8    | 177 |
|           | 2129    | 6.1    | 186 |           | 1810    | 6.2    | 189 |           | 2320    | 1.0    | 30  |
| <b>6</b>  | 0423    | 0.7    | 21  | <b>18</b> | 0126    | 0.8    | 24  | <b>30</b> | 0446    | 5.8    | 177 |
|           | 0956    | 5.0    | 152 |           | 0633    | 5.6    | 171 |           | 1144    | 0.7    | 21  |
|           | Su 1620 | 0.7    | 21  |           | F 1337  | 0.4    | 12  |           | W 1720  | 5.8    | 177 |
|           | 2217    | 6.2    | 189 | ☉         | 1910    | 6.3    | 192 |           |         |        |     |
| <b>7</b>  | 0516    | 0.6    | 18  | <b>19</b> | 0229    | 0.8    | 24  | <b>31</b> | 0009    | 1.0    | 30  |
|           | 1045    | 5.0    | 152 |           | 0738    | 5.4    | 165 |           | 0538    | 5.5    | 168 |
|           | M 1709  | 0.7    | 21  |           | Sa 1434 | 0.5    | 15  |           | Th 1225 | 0.7    | 21  |
|           | 2302    | 6.4    | 195 |           | 2012    | 6.4    | 195 |           | 1809    | 5.8    | 177 |
| <b>8</b>  | 0607    | 0.6    | 18  | <b>20</b> | 0334    | 0.8    | 24  |           |         |        |     |
|           | 1131    | 5.0    | 152 |           | 0843    | 5.3    | 162 |           |         |        |     |
|           | Tu 1756 | 0.7    | 21  |           | Su 1534 | 0.6    | 18  |           |         |        |     |
|           | 2344    | 6.5    | 198 |           | 2113    | 6.5    | 198 |           |         |        |     |
| <b>9</b>  | 0655    | 0.5    | 15  | <b>21</b> | 0437    | 0.7    | 21  |           |         |        |     |
|           | 1214    | 5.0    | 152 |           | 0946    | 5.3    | 162 |           |         |        |     |
|           | W 1843  | 0.7    | 21  |           | M 1635  | 0.6    | 18  |           |         |        |     |
|           |         |        |     |           | 2212    | 6.6    | 201 |           |         |        |     |
| <b>10</b> | 0023    | 6.6    | 201 | <b>22</b> | 0536    | 0.6    | 18  |           |         |        |     |
|           | 0741    | 0.5    | 15  |           | 1044    | 5.4    | 165 |           |         |        |     |
|           | Th 1254 | 5.1    | 155 |           | Tu 1733 | 0.7    | 21  |           |         |        |     |
| ○         | 1929    | 0.7    | 21  |           | 2307    | 6.7    | 204 |           |         |        |     |
| <b>11</b> | 0102    | 6.6    | 201 | <b>23</b> | 0632    | 0.5    | 15  |           |         |        |     |
|           | 0825    | 0.5    | 15  |           | 1139    | 5.5    | 168 |           |         |        |     |
|           | F 1334  | 5.1    | 155 |           | W 1829  | 0.7    | 21  |           |         |        |     |
|           | 2015    | 0.7    | 21  |           | 2359    | 6.8    | 207 |           |         |        |     |
| <b>12</b> | 0140    | 6.6    | 201 | <b>24</b> | 0725    | 0.4    | 12  |           |         |        |     |
|           | 0907    | 0.4    | 12  |           | Th 1231 | 5.6    | 171 |           |         |        |     |
|           | Sa 1413 | 5.3    | 162 |           | ☉       | 1923   | 0.7 |           | 21      |        |     |
|           | 2100    | 0.6    | 18  |           |         |        |     |           |         |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean  
 lower low water which is the  
 chart datum of soundings.

**DAYLIGHT  
 SAVING TIME**  
 Times ARE adjusted  
 for DST.

# MARCUS HOOK BAR (North)

**JULY 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0108      | 0310            | 1.5F       | <b>13</b>             |           | 0022            | 2.1F       | <b>25</b>   | 0224      | 0706            | 2.3E       |
|                        | 0644      | 1057            | 1.9E       |                       | 0346      | 0720            | 2.0E       |             | 0931      | 1223            | 1.6F       |
| Tu                     | 1340      | 1557            | 1.5F       | Su                    | 1105      | 1301            | 1.6F       | F           | 1452      | 1857            | 1.9E       |
|                        | 1920      | 2255            | 1.9E       |                       | 1624      | 1933            | 1.8E       |             | 2125      | 2345            | 1.8F       |
|                        |           |                 |            |                       | 2303      |                 |            |             |           |                 |            |
| <b>2</b>               | 0157      | 0357            | 1.5F       | <b>14</b>             |           | 0111            | 2.1F       | <b>26</b>   | 0310      | 0751            | 2.2E       |
|                        | 0733      | 1112            | 1.8E       |                       | 0430      | 0755            | 2.0E       |             | 1015      | 1307            | 1.6F       |
| W                      | 1424      | 1634            | 1.5F       | M                     | 1146      | 1346            | 1.8F       | Sa          | 1540      | 1942            | 1.9E       |
|                        | 2008      | 2332            | 1.9E       |                       | 1709      | 2021            | 1.9E       |             | 2214      |                 |            |
|                        |           |                 |            |                       | 2354      |                 |            |             |           |                 |            |
| <b>3</b>               | 0248      | 0448            | 1.4F       | <b>15</b>             |           | 0201            | 2.1F       | <b>27</b>   |           | 0028            | 1.7F       |
|                        | 0823      | 1138            | 1.8E       |                       | 0518      | 0838            | 2.0E       |             | 0354      | 0832            | 2.1E       |
| Th                     | 1509      | 1717            | 1.5F       | Tu                    | 1230      | 1432            | 1.9F       | Su          | 1057      | 1342            | 1.6F       |
|                        | 2056      |                 |            |                       | 1755      | 2111            | 1.9E       |             | 1626      | 2022            | 1.9E       |
|                        |           |                 |            |                       |           |                 |            |             | 2302      |                 |            |
| <b>4</b>               |           | 0014            | 1.9E       | <b>16</b>             |           | 0046            | 2.0F       | <b>28</b>   |           | 0110            | 1.6F       |
|                        | 0341      | 0543            | 1.3F       |                       | 0609      | 0926            | 2.0E       |             | 0437      | 0907            | 1.9E       |
| F                      | 0914      | 1217            | 1.8E       | W                     | 1315      | 1519            | 1.9F       | M           | 1138      | 1400            | 1.6F       |
|                        | 1555      | 1804            | 1.5F       |                       | 1844      | 2201            | 2.0E       |             | 1709      | 2053            | 1.9E       |
|                        | 2145      |                 |            |                       |           |                 |            |             | 2349      |                 |            |
| <b>5</b>               |           | 0103            | 1.9E       | <b>17</b>             |           | 0139            | 1.9F       | <b>29</b>   |           | 0152            | 1.6F       |
|                        | 0437      | 0646            | 1.2F       |                       | 0704      | 1017            | 2.0E       |             | 0521      | 0923            | 1.8E       |
| Sa                     | 1006      | 1301            | 1.8E       | Th                    | 1404      | 1609            | 1.9F       | Tu          | 1218      | 1426            | 1.6F       |
|                        | 1643      | 1855            | 1.5F       |                       | 1937      | 2254            | 2.0E       |             | 1752      | 2120            | 1.9E       |
|                        | 2235      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>6</b>               |           | 0205            | 1.9E       | <b>18</b>             |           | 0237            | 1.8F       | <b>30</b>   |           | 0035            | 2.3E       |
|                        | 0535      | 0820            | 1.2F       |                       | 0803      | 1109            | 2.0E       |             | 0605      | 0926            | 1.6F       |
| Su                     | 1057      | 1349            | 1.7E       | F                     | 1456      | 1702            | 1.9F       | W           | 1258      | 1501            | 1.6F       |
|                        | 1730      | 1945            | 1.6F       |                       | 2036      | 2353            | 1.9E       |             | 1835      | 2153            | 1.9E       |
|                        | 2324      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>7</b>               |           | 0333            | 1.9E       | <b>19</b>             |           | 0339            | 1.6F       | <b>31</b>   |           | 0121            | 0320       |
|                        | 0632      | 0920            | 1.2F       |                       | 0904      | 1204            | 1.9E       |             | 0650      | 0959            | 1.9E       |
| M                      | 1147      | 1439            | 1.7E       | Sa                    | 1552      | 1800            | 1.8F       | Th          | 1338      | 1541            | 1.6F       |
|                        | 1817      | 2032            | 1.8F       |                       | 2137      |                 |            |             | 1920      | 2233            | 1.9E       |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>8</b>               |           | 0439            | 2.0E       | <b>20</b>             |           | 0445            | 1.8E       |             |           |                 |            |
|                        | 0725      | 1000            | 1.2F       |                       | 1006      | 1304            | 1.8E       |             |           |                 |            |
| Tu                     | 1236      | 1531            | 1.6E       | Su                    | 1650      | 1902            | 1.8F       |             |           |                 |            |
|                        | 1903      | 2118            | 1.9F       |                       | 2240      |                 |            |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>               |           | 0531            | 2.1E       | <b>21</b>             |           | 0552            | 1.9E       |             |           |                 |            |
|                        | 0815      | 1026            | 1.2F       |                       | 1107      | 1412            | 1.8E       |             |           |                 |            |
| W                      | 1324      | 1622            | 1.6E       | M                     | 1749      | 2007            | 1.8F       |             |           |                 |            |
|                        | 1949      | 2203            | 2.0F       |                       | 2341      |                 |            |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>10</b>              |           | 0614            | 2.1E       | <b>22</b>             |           | 0428            | 2.1E       |             |           |                 |            |
|                        | 0900      | 1059            | 1.3F       |                       | 0655      | 0943            | 1.4F       |             |           |                 |            |
| Th                     | 1410      | 1711            | 1.6E       | Tu                    | 1207      | 1553            | 1.7E       |             |           |                 |            |
|                        | 2035      | 2248            | 2.0F       |                       | 1846      | 2112            | 1.8F       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>11</b>              |           | 0647            | 2.0E       | <b>23</b>             |           | 0040            | 0526       | 2.3E        |           |                 |            |
|                        | 0943      | 1137            | 1.4F       |                       | 0753      | 1042            | 1.5F       |             |           |                 |            |
| F                      | 1456      | 1758            | 1.7E       | W                     | 1305      | 1711            | 1.8E       |             |           |                 |            |
|                        | 2123      | 2334            | 2.0F       |                       | 1941      | 2209            | 1.9F       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>12</b>              |           | 0659            | 2.0E       | <b>24</b>             |           | 0134            | 0618       | 2.4E        |           |                 |            |
|                        | 1024      | 1218            | 1.5F       |                       | 0844      | 1135            | 1.6F       |             |           |                 |            |
| Sa                     | 1540      | 1846            | 1.7E       | Th                    | 1400      | 1807            | 1.9E       |             |           |                 |            |
|                        | 2212      |                 |            |                       | 2034      | 2259            | 1.8F       |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT  
SAVING TIME**  
Times ARE adjusted  
for DST.

# MARCUS HOOK, PENNSYLVANIA

AUGUST 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Time      |         | Height |     | Time      |         | Height |     | Time                                                                                                                                                                                                                              |         | Height |     |
|-----------|---------|--------|-----|-----------|---------|--------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|-----|
| Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day                                                                                                                                                                                                                               | h.m.    | ft.    | cm  |
| <b>1</b>  | 0100    | 1.0    | 30  | <b>13</b> | 0329    | 6.4    | 195 | <b>25</b>                                                                                                                                                                                                                         | 0203    | 6.4    | 195 |
|           | 0632    | 5.2    | 158 |           | 1044    | 0.3    | 9   |                                                                                                                                                                                                                                   | 0911    | 0.6    | 18  |
|           | F 1308  | 0.8    | 24  |           | W 1557  | 6.4    | 195 |                                                                                                                                                                                                                                   | M 1430  | 6.1    | 186 |
|           | ☉ 1901  | 5.8    | 177 |           | 2315    | 0.6    | 18  |                                                                                                                                                                                                                                   | 2124    | 0.8    | 24  |
| <b>2</b>  | 0154    | 1.0    | 30  | <b>14</b> | 0418    | 6.1    | 186 | <b>26</b>                                                                                                                                                                                                                         | 0246    | 6.2    | 189 |
|           | 0728    | 5.0    | 152 |           | 1130    | 0.4    | 12  |                                                                                                                                                                                                                                   | 0949    | 0.7    | 21  |
|           | Sa 1354 | 0.8    | 24  |           | Th 1649 | 6.4    | 195 |                                                                                                                                                                                                                                   | Tu 1512 | 6.1    | 186 |
|           | 1954    | 5.9    | 180 |           |         |        |     |                                                                                                                                                                                                                                   | 2207    | 0.9    | 27  |
| <b>3</b>  | 0250    | 1.0    | 30  | <b>15</b> | 0012    | 0.8    | 24  | <b>27</b>                                                                                                                                                                                                                         | 0329    | 6.0    | 183 |
|           | 0824    | 4.8    | 146 |           | 0515    | 5.8    | 177 |                                                                                                                                                                                                                                   | 1025    | 0.8    | 24  |
|           | Su 1444 | 0.8    | 24  |           | F 1221  | 0.5    | 15  |                                                                                                                                                                                                                                   | W 1553  | 6.1    | 186 |
|           | 2047    | 6.0    | 183 |           | 1746    | 6.4    | 195 |                                                                                                                                                                                                                                   | 2250    | 1.0    | 30  |
| <b>4</b>  | 0347    | 0.9    | 27  | <b>16</b> | 0112    | 0.9    | 27  | <b>28</b>                                                                                                                                                                                                                         | 0412    | 5.7    | 174 |
|           | 0919    | 4.8    | 146 |           | 0617    | 5.5    | 168 |                                                                                                                                                                                                                                   | 1101    | 0.9    | 27  |
|           | M 1537  | 0.8    | 24  |           | Sa 1316 | 0.6    | 18  |                                                                                                                                                                                                                                   | Th 1636 | 6.0    | 183 |
|           | 2139    | 6.1    | 186 |           | ☉ 1849  | 6.4    | 195 |                                                                                                                                                                                                                                   | 2336    | 1.1    | 34  |
| <b>5</b>  | 0443    | 0.8    | 24  | <b>17</b> | 0215    | 0.9    | 27  | <b>29</b>                                                                                                                                                                                                                         | 0459    | 5.4    | 165 |
|           | 1011    | 4.8    | 146 |           | 0723    | 5.3    | 162 |                                                                                                                                                                                                                                   | 1137    | 0.9    | 27  |
|           | Tu 1631 | 0.8    | 24  |           | Su 1415 | 0.7    | 21  |                                                                                                                                                                                                                                   | F 1721  | 5.9    | 180 |
|           | 2228    | 6.3    | 192 |           | 1953    | 6.3    | 192 |                                                                                                                                                                                                                                   |         |        |     |
| <b>6</b>  | 0535    | 0.7    | 21  | <b>18</b> | 0318    | 0.9    | 27  | <b>30</b>                                                                                                                                                                                                                         | 0025    | 1.1    | 34  |
|           | 1059    | 5.0    | 152 |           | 0829    | 5.2    | 158 |                                                                                                                                                                                                                                   | 0550    | 5.1    | 155 |
|           | W 1724  | 0.7    | 21  |           | M 1517  | 0.8    | 24  |                                                                                                                                                                                                                                   | Sa 1218 | 1.0    | 30  |
|           | 2313    | 6.5    | 198 |           | 2058    | 6.4    | 195 |                                                                                                                                                                                                                                   | 1811    | 5.9    | 180 |
| <b>7</b>  | 0624    | 0.6    | 18  | <b>19</b> | 0420    | 0.8    | 24  | <b>31</b>                                                                                                                                                                                                                         | 0117    | 1.2    | 37  |
|           | 1143    | 5.1    | 155 |           | 0933    | 5.2    | 158 |                                                                                                                                                                                                                                   | 0645    | 4.9    | 149 |
|           | Th 1815 | 0.6    | 18  |           | Tu 1619 | 0.8    | 24  |                                                                                                                                                                                                                                   | Su 1304 | 1.0    | 30  |
|           | 2356    | 6.6    | 201 |           | 2159    | 6.5    | 198 |                                                                                                                                                                                                                                   | ☉ 1905  | 5.9    | 180 |
| <b>8</b>  | 0711    | 0.5    | 15  | <b>20</b> | 0518    | 0.7    | 21  | <p>Time meridian 75° W.<br/>0000 is midnight.<br/>1200 is noon.<br/>Heights are referred to mean lower low water which is the chart datum of soundings.</p> <p><b>DAYLIGHT SAVING TIME</b></p> <p>Times ARE adjusted for DST.</p> |         |        |     |
|           | 1225    | 5.3    | 162 |           | 1032    | 5.4    | 165 |                                                                                                                                                                                                                                   |         |        |     |
|           | F 1905  | 0.6    | 18  |           | W 1717  | 0.7    | 21  |                                                                                                                                                                                                                                   |         |        |     |
|           |         |        |     |           | 2255    | 6.6    | 201 |                                                                                                                                                                                                                                   |         |        |     |
| <b>9</b>  | 0036    | 6.7    | 204 | <b>21</b> | 0612    | 0.6    | 18  |                                                                                                                                                                                                                                   |         |        |     |
|           | 0755    | 0.4    | 12  |           | 1125    | 5.6    | 171 |                                                                                                                                                                                                                                   |         |        |     |
|           | Sa 1305 | 5.5    | 168 |           | Th 1813 | 0.7    | 21  |                                                                                                                                                                                                                                   |         |        |     |
|           | ○ 1954  | 0.5    | 15  |           | 2346    | 6.6    | 201 |                                                                                                                                                                                                                                   |         |        |     |
| <b>10</b> | 0117    | 6.7    | 204 | <b>22</b> | 0702    | 0.5    | 15  |                                                                                                                                                                                                                                   |         |        |     |
|           | 0838    | 0.4    | 12  |           | 1215    | 5.8    | 177 |                                                                                                                                                                                                                                   |         |        |     |
|           | Su 1346 | 5.8    | 177 |           | F 1904  | 0.7    | 21  |                                                                                                                                                                                                                                   |         |        |     |
|           | 2043    | 0.5    | 15  |           |         |        |     |                                                                                                                                                                                                                                   |         |        |     |
| <b>11</b> | 0159    | 6.7    | 204 | <b>23</b> | 0033    | 6.6    | 201 |                                                                                                                                                                                                                                   |         |        |     |
|           | 0920    | 0.3    | 9   |           | 0748    | 0.5    | 15  |                                                                                                                                                                                                                                   |         |        |     |
|           | M 1427  | 6.0    | 183 |           | Sa 1302 | 5.9    | 180 |                                                                                                                                                                                                                                   |         |        |     |
|           | 2131    | 0.5    | 15  |           | ☉ 1953  | 0.7    | 21  |                                                                                                                                                                                                                                   |         |        |     |
| <b>12</b> | 0243    | 6.6    | 201 | <b>24</b> | 0118    | 6.6    | 201 |                                                                                                                                                                                                                                   |         |        |     |
|           | 1001    | 0.3    | 9   |           | 0831    | 0.5    | 15  |                                                                                                                                                                                                                                   |         |        |     |
|           | Tu 1511 | 6.3    | 192 |           | Su 1347 | 6.0    | 183 |                                                                                                                                                                                                                                   |         |        |     |
|           | 2221    | 0.5    | 15  |           | 2040    | 0.8    | 24  |                                                                                                                                                                                                                                   |         |        |     |

# MARCUS HOOK BAR (North)

**AUGUST 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0211      | 0407            | 1.5F       | <b>13</b>             | 0501      | 0143            | 2.1F       | <b>25</b>   | 0325      | 0006            | 1.6F       |
| F                      | 0739      | 1040            | 1.9E       | W                     | 0818      | 0818            | 2.1E       | M           | 0753      | 0753            | 2.0E       |
|                        | 1421      | 1625            | 1.6F       |                       | 1202      | 1408            | 2.0F       |             | 1022      | 1250            | 1.6F       |
|                        | 2008      | 2319            | 1.9E       |                       | 1731      | 2054            | 2.0E       |             | 1552      | 1943            | 1.9E       |
|                        |           |                 |            |                       |           |                 |            |             | 2235      |                 |            |
| <b>2</b>               | 0305      | 0458            | 1.3F       | <b>14</b>             | 0029      | 0233            | 2.0F       | <b>26</b>   | 0405      | 0041            | 1.6F       |
| Sa                     | 0830      | 1125            | 1.8E       | Th                    | 0552      | 0906            | 2.1E       | Tu          | 0800      | 0800            | 1.8E       |
|                        | 1506      | 1713            | 1.7F       |                       | 1249      | 1455            | 2.0F       |             | 1100      | 1308            | 1.6F       |
|                        | 2100      |                 |            |                       | 1821      | 2147            | 2.0E       |             | 1630      | 1955            | 1.9E       |
|                        |           | 0011            | 1.9E       |                       |           |                 |            |             | 2318      |                 |            |
| <b>3</b>               | 0404      | 0555            | 1.1F       | <b>15</b>             | 0123      | 0325            | 1.9F       | <b>27</b>   | 0445      | 0120            | 1.6F       |
| Su                     | 0924      | 1214            | 1.7E       | F                     | 0646      | 0957            | 2.0E       | W           | 0756      | 0756            | 1.8E       |
|                        | 1554      | 1805            | 1.7F       |                       | 1338      | 1545            | 2.0F       |             | 1137      | 1340            | 1.7F       |
|                        | 2154      |                 |            |                       | 1917      | 2248            | 1.9E       |             | 1709      | 2021            | 1.9E       |
|                        |           | 0112            | 1.8E       |                       |           |                 |            |             |           |                 |            |
| <b>4</b>               | 0506      | 0701            | 1.0F       | <b>16</b>             | 0222      | 0421            | 1.7F       | <b>28</b>   | 0001      | 0201            | 1.6F       |
| M                      | 1020      | 1307            | 1.7E       | Sa                    | 0744      | 1051            | 2.0E       | Th          | 0526      | 0828            | 1.8E       |
|                        | 1646      | 1900            | 1.7F       |                       | 1431      | 1638            | 1.9F       |             | 1214      | 1419            | 1.7F       |
|                        | 2248      |                 |            |                       | 2018      |                 |            |             | 1749      | 2059            | 1.9E       |
|                        |           | 0246            | 1.9E       | <b>17</b>             | 0325      | 0523            | 1.4F       | <b>29</b>   | 0048      | 0245            | 1.6F       |
| <b>5</b>               | 0606      | 0848            | 1.0F       | Su                    | 0845      | 1149            | 1.9E       | F           | 0609      | 0909            | 1.9E       |
| Tu                     | 1116      | 1403            | 1.6E       |                       | 1528      | 1736            | 1.8F       |             | 1253      | 1500            | 1.8F       |
|                        | 1740      | 1955            | 1.8F       |                       | 2122      |                 |            |             | 1833      | 2144            | 1.9E       |
|                        | 2340      |                 |            |                       |           |                 |            |             |           |                 |            |
|                        |           | 0413            | 2.0E       | <b>18</b>             | 0433      | 0155            | 1.9E       | <b>30</b>   | 0138      | 0331            | 1.4F       |
| <b>6</b>               | 0701      | 0943            | 1.1F       | M                     | 0949      | 0650            | 1.3F       | Sa          | 0656      | 0955            | 1.8E       |
| W                      | 1210      | 1504            | 1.6E       |                       | 1629      | 1254            | 1.8E       |             | 1334      | 1545            | 1.9F       |
|                        | 1834      | 2048            | 1.9F       |                       | 2227      | 1842            | 1.7F       |             | 1921      | 2235            | 1.9E       |
|                        |           | 0506            | 2.1E       | <b>19</b>             | 0540      | 0310            | 2.0E       | <b>31</b>   | 0233      | 0422            | 1.3F       |
| <b>7</b>               | 0030      | 0749            | 1.2F       | Tu                    | 1053      | 0839            | 1.3F       | Su          | 0747      | 1044            | 1.8E       |
| Th                     | 1301      | 1605            | 1.7E       |                       | 1731      | 1426            | 1.7E       |             | 1419      | 1634            | 1.9F       |
|                        | 1927      | 2139            | 1.9F       |                       | 2328      | 2001            | 1.7F       |             | 2016      | 2330            | 1.9E       |
|                        |           | 0549            | 2.1E       | <b>20</b>             | 0641      | 0412            | 2.2E       |             |           |                 |            |
| <b>8</b>               | 0832      | 1038            | 1.4F       | W                     | 1155      | 0940            | 1.5F       |             |           |                 |            |
| F                      | 1349      | 1703            | 1.8E       |                       | 1831      | 1602            | 1.8E       |             |           |                 |            |
|                        | 2018      | 2227            | 2.0F       |                       |           | 2127            | 1.7F       |             |           |                 |            |
|                        |           | 0621            | 2.1E       | <b>21</b>             | 0025      | 0506            | 2.3E       |             |           |                 |            |
| <b>9</b>               | 0200      | 0913            | 1.6F       | Th                    | 0734      | 1032            | 1.6F       |             |           |                 |            |
| Sa                     | 1434      | 1752            | 1.8E       |                       | 1252      | 1703            | 1.9E       |             |           |                 |            |
|                        | 2108      | 2315            | 2.0F       |                       | 1927      | 2223            | 1.7F       |             |           |                 |            |
|                        |           | 0637            | 2.0E       | <b>22</b>             | 0117      | 0555            | 2.3E       |             |           |                 |            |
| <b>10</b>              | 0953      | 1154            | 1.7F       | F                     | 0821      | 1119            | 1.7F       |             |           |                 |            |
| Su                     | 1518      | 1837            | 1.9E       |                       | 1343      | 1754            | 2.0E       |             |           |                 |            |
|                        | 2157      |                 |            |                       | 2018      | 2305            | 1.7F       |             |           |                 |            |
|                        |           | 0004            | 2.1F       | <b>23</b>             | 0203      | 0639            | 2.3E       |             |           |                 |            |
| <b>11</b>              | 0327      | 0700            | 2.0E       | Sa                    | 0904      | 1202            | 1.7F       |             |           |                 |            |
| M                      | 1035      | 1237            | 1.9F       |                       | 1430      | 1838            | 2.0E       |             |           |                 |            |
|                        | 1601      | 1921            | 2.0E       |                       | 2106      | 2337            | 1.7F       |             |           |                 |            |
|                        | 2247      |                 |            |                       |           |                 |            |             |           |                 |            |
|                        |           | 0053            | 2.1F       | <b>24</b>             | 0245      | 0720            | 2.1E       |             |           |                 |            |
| <b>12</b>              | 0413      | 0735            | 2.1E       | Su                    | 0944      | 1236            | 1.7F       |             |           |                 |            |
| Tu                     | 1117      | 1321            | 1.9F       |                       | 1513      | 1917            | 2.0E       |             |           |                 |            |
|                        | 1644      | 2006            | 2.0E       |                       | 2151      |                 |            |             |           |                 |            |
|                        | 2337      |                 |            |                       |           |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# MARCUS HOOK, PENNSYLVANIA

SEPTEMBER 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Day             | Time |     | Height |                 | Day  | Time |      | Height          |      | Day | Time |      | Height |     |      |     |     |  |
|-----------------|------|-----|--------|-----------------|------|------|------|-----------------|------|-----|------|------|--------|-----|------|-----|-----|--|
|                 | h.m. | ft. | cm     | ft.             |      | cm   | h.m. | ft.             | cm   |     | h.m. | ft.  | cm     |     |      |     |     |  |
| <b>1</b><br>M   | 0213 | 1.2 | 37     | <b>13</b><br>Sa | 0500 | 5.7  | 174  | <b>25</b><br>Th | 0300 | 5.8 | 177  | 0742 | 4.8    | 146 | 0947 | 0.9 | 27  |  |
|                 | 1357 | 1.0 | 30     |                 | 1200 | 0.7  | 21   |                 | 1516 | 6.3 | 192  | 2223 | 1.0    | 30  |      |     |     |  |
|                 | 2001 | 5.9 | 180    |                 | 1726 | 6.6  | 201  |                 |      |     |      |      |        |     |      |     |     |  |
|                 |      |     |        |                 |      |      |      |                 |      |     |      |      |        |     |      |     |     |  |
| <b>2</b><br>Tu  | 0310 | 1.1 | 34     | <b>14</b><br>Su | 0057 | 0.9  | 27   | <b>26</b><br>F  | 0340 | 5.5 | 168  | 1019 | 1.0    | 30  | 1553 | 6.2 | 189 |  |
|                 | 0840 | 4.8 | 146    |                 | 0603 | 5.4  | 165  |                 | 2306 | 1.1 | 34   |      |        |     |      |     |     |  |
|                 | 1455 | 0.9 | 27     |                 | 1258 | 0.8  | 24   |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2058 | 6.1 | 186    |                 | 1831 | 6.4  | 195  |                 |      |     |      |      |        |     |      |     |     |  |
| <b>3</b><br>W   | 0407 | 1.0 | 30     | <b>15</b><br>M  | 0159 | 1.0  | 30   | <b>27</b><br>Sa | 0422 | 5.2 | 158  | 1052 | 1.0    | 30  | 1633 | 6.1 | 186 |  |
|                 | 0934 | 4.9 | 149    |                 | 0710 | 5.2  | 158  |                 | 2352 | 1.2 | 37   |      |        |     |      |     |     |  |
|                 | 1555 | 0.9 | 27     |                 | 1359 | 0.9  | 27   |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2151 | 6.3 | 192    |                 | 1938 | 6.2  | 189  |                 |      |     |      |      |        |     |      |     |     |  |
| <b>4</b><br>Th  | 0500 | 0.8 | 24     | <b>16</b><br>Tu | 0300 | 0.9  | 27   | <b>28</b><br>Su | 0508 | 5.0 | 152  | 1131 | 1.0    | 30  | 1718 | 6.0 | 183 |  |
|                 | 1025 | 5.1 | 155    |                 | 0817 | 5.2  | 158  |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 1653 | 0.7 | 21     |                 | 1501 | 0.9  | 27   |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2240 | 6.5 | 198    |                 | 2044 | 6.2  | 189  |                 |      |     |      |      |        |     |      |     |     |  |
| <b>5</b><br>F   | 0550 | 0.7 | 21     | <b>17</b><br>W  | 0400 | 0.8  | 24   | <b>29</b><br>M  | 0043 | 1.2 | 37   | 0601 | 4.8    | 146 | 1219 | 1.0 | 30  |  |
|                 | 1110 | 5.4 | 165    |                 | 0920 | 5.4  | 165  |                 | 1813 | 5.9 | 180  |      |        |     |      |     |     |  |
|                 | 1748 | 0.6 | 18     |                 | 1602 | 0.8  | 24   |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2326 | 6.6 | 201    |                 | 2146 | 6.3  | 192  |                 |      |     |      |      |        |     |      |     |     |  |
| <b>6</b><br>Sa  | 0637 | 0.5 | 15     | <b>18</b><br>Th | 0456 | 0.7  | 21   | <b>30</b><br>Tu | 0137 | 1.2 | 37   | 0659 | 4.7    | 143 | 1316 | 1.0 | 30  |  |
|                 | 1153 | 5.8 | 177    |                 | 1018 | 5.6  | 171  |                 | 1913 | 5.9 | 180  |      |        |     |      |     |     |  |
|                 | 1842 | 0.5 | 15     |                 | 1700 | 0.8  | 24   |                 |      |     |      |      |        |     |      |     |     |  |
|                 |      |     |        |                 | 2241 | 6.4  | 195  |                 |      |     |      |      |        |     |      |     |     |  |
| <b>7</b><br>Su  | 0010 | 6.7 | 204    | <b>19</b><br>F  | 0547 | 0.6  | 18   | <b>21</b><br>Su | 0015 | 6.5 | 198  | 0718 | 0.5    | 15  | 1240 | 6.2 | 189 |  |
|                 | 0722 | 0.4 | 12     |                 | 1110 | 5.9  | 180  |                 | 1932 | 0.7 | 21   |      |        |     |      |     |     |  |
|                 | 1235 | 6.1 | 186    |                 | 1754 | 0.7  | 21   |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 1934 | 0.4 | 12     |                 | 2330 | 6.5  | 198  |                 |      |     |      |      |        |     |      |     |     |  |
| <b>8</b><br>M   | 0053 | 6.8 | 207    | <b>20</b><br>Sa | 0634 | 0.5  | 15   | <b>22</b><br>M  | 0057 | 6.4 | 195  | 0759 | 0.6    | 18  | 1321 | 6.3 | 192 |  |
|                 | 0807 | 0.4 | 12     |                 | 1156 | 6.1  | 186  |                 | 2017 | 0.7 | 21   |      |        |     |      |     |     |  |
|                 | 1317 | 6.4 | 195    |                 | 1845 | 0.7  | 21   |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2025 | 0.4 | 12     |                 |      |      |      |                 |      |     |      |      |        |     |      |     |     |  |
| <b>9</b><br>Tu  | 0137 | 6.7 | 204    | <b>21</b><br>Su | 0015 | 6.5  | 198  | <b>23</b><br>Tu | 0139 | 6.2 | 189  | 0837 | 0.7    | 21  | 1401 | 6.3 | 192 |  |
|                 | 0850 | 0.3 | 9      |                 | 0718 | 0.5  | 15   |                 | 2100 | 0.8 | 24   |      |        |     |      |     |     |  |
|                 | 1401 | 6.7 | 204    |                 | 1240 | 6.2  | 189  |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2115 | 0.4 | 12     |                 | 1932 | 0.7  | 21   |                 |      |     |      |      |        |     |      |     |     |  |
| <b>10</b><br>W  | 0223 | 6.5 | 198    | <b>22</b><br>M  | 0057 | 6.4  | 195  | <b>24</b><br>W  | 0220 | 6.0 | 183  | 0913 | 0.8    | 24  | 1439 | 6.3 | 192 |  |
|                 | 0933 | 0.4 | 12     |                 | 0759 | 0.6  | 18   |                 | 2141 | 0.9 | 27   |      |        |     |      |     |     |  |
|                 | 1446 | 6.8 | 207    |                 | 1321 | 6.3  | 192  |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2207 | 0.5 | 15     |                 | 2017 | 0.7  | 21   |                 |      |     |      |      |        |     |      |     |     |  |
| <b>11</b><br>Th | 0311 | 6.3 | 192    | <b>23</b><br>Tu | 0139 | 6.2  | 189  | <b>24</b><br>W  | 0220 | 6.0 | 183  | 0913 | 0.8    | 24  | 1439 | 6.3 | 192 |  |
|                 | 1018 | 0.4 | 12     |                 | 0837 | 0.7  | 21   |                 | 2141 | 0.9 | 27   |      |        |     |      |     |     |  |
|                 | 1534 | 6.8 | 207    |                 | 1401 | 6.3  | 192  |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2300 | 0.6 | 18     |                 | 2100 | 0.8  | 24   |                 |      |     |      |      |        |     |      |     |     |  |
| <b>12</b><br>F  | 0403 | 6.0 | 183    | <b>24</b><br>W  | 0220 | 6.0  | 183  | <b>24</b><br>W  | 0220 | 6.0 | 183  | 0913 | 0.8    | 24  | 1439 | 6.3 | 192 |  |
|                 | 1107 | 0.5 | 15     |                 | 0913 | 0.8  | 24   |                 | 2141 | 0.9 | 27   |      |        |     |      |     |     |  |
|                 | 1627 | 6.7 | 204    |                 | 1439 | 6.3  | 192  |                 |      |     |      |      |        |     |      |     |     |  |
|                 | 2358 | 0.8 | 24     |                 | 2141 | 0.9  | 27   |                 |      |     |      |      |        |     |      |     |     |  |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean low water which is the chart datum of soundings.

## DAYLIGHT SAVING TIME

Times ARE adjusted for DST.



# MARCUS HOOK BAR (North)

SEPTEMBER 2025

deb2119 (16 ft.)

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0333      | 0517            | 1.1F       | <b>13</b>             | 0110      | 0310            | 1.7F       | <b>25</b>   | 0049      | 0049            | 1.6F       |
|                        | 0844      | 1136            | 1.7E       |                       | 0629      | 0943            | 2.0E       |             | 0411      | 0708            | 1.8E       |
| <b>M</b>               | 1510      | 1726            | 1.8F       | <b>Sa</b>             | 1315      | 1524            | 2.0F       | <b>Th</b>   | 1056      | 1302            | 1.8F       |
|                        | 2113      |                 |            |                       | 1902      | 2321            | 1.9E       |             | 1628      | 1937            | 1.9E       |
|                        |           | 0030            | 1.8E       | <b>14</b>             | 0210      | 0408            | 1.5F       |             | 2333      |                 |            |
| <b>2</b>               | 0435      | 0618            | 1.0F       |                       | 0728      | 1042            | 1.9E       | <b>26</b>   | 0450      | 0130            | 1.6F       |
|                        | 0945      | 1232            | 1.6E       | <b>Su</b>             | 1410      | 1618            | 1.9F       |             | 1132      | 1342            | 1.9F       |
| <b>Tu</b>              | 1608      | 1823            | 1.8F       |                       | 2004      |                 |            | <b>F</b>    | 1707      | 2018            | 1.9E       |
|                        | 2211      |                 |            | <b>15</b>             |           | 0037            | 2.0E       |             |           |                 |            |
| <b>3</b>               |           | 0140            | 1.8E       |                       | 0313      | 0519            | 1.3F       | <b>27</b>   | 0021      | 0214            | 1.5F       |
|                        | 0534      | 0729            | 1.0F       | <b>M</b>              | 0832      | 1147            | 1.8E       |             | 0531      | 0829            | 1.8E       |
|                        | 1045      | 1333            | 1.6E       |                       | 1509      | 1717            | 1.7F       | <b>Sa</b>   | 1210      | 1425            | 2.0F       |
| <b>W</b>               | 1709      | 1922            | 1.8F       |                       | 2109      |                 |            |             | 1751      | 2106            | 1.9E       |
|                        | 2306      |                 |            | <b>16</b>             |           | 0146            | 2.0E       |             |           |                 |            |
| <b>4</b>               |           | 0325            | 1.9E       |                       | 0418      | 0720            | 1.3F       | <b>28</b>   | 0112      | 0301            | 1.4F       |
|                        | 0627      | 0843            | 1.1F       | <b>Tu</b>             | 0937      | 1307            | 1.8E       |             | 0617      | 0917            | 1.8E       |
|                        | 1142      | 1439            | 1.6E       |                       | 1611      | 1829            | 1.6F       | <b>Su</b>   | 1252      | 1511            | 2.0F       |
| <b>Th</b>              | 1809      | 2021            | 1.8F       |                       | 2212      |                 |            |             | 1839      | 2158            | 1.9E       |
|                        | 2359      |                 |            | <b>17</b>             |           | 0250            | 2.1E       | <b>29</b>   | 0206      | 0351            | 1.2F       |
| <b>5</b>               |           | 0427            | 2.0E       |                       | 0521      | 0828            | 1.4F       |             | 0710      | 1010            | 1.7E       |
|                        | 0714      | 0928            | 1.4F       | <b>W</b>              | 1041      | 1438            | 1.8E       | <b>M</b>    | 1340      | 1601            | 2.0F       |
|                        | 1234      | 1547            | 1.8E       |                       | 1715      | 2029            | 1.6F       |             | 1933      | 2254            | 1.9E       |
| <b>F</b>               | 1906      | 2116            | 1.9F       |                       | 2312      |                 |            |             |           |                 |            |
|                        |           | 0509            | 2.0E       | <b>18</b>             |           | 0348            | 2.2E       | <b>30</b>   | 0302      | 0444            | 1.1F       |
| <b>6</b>               | 0048      | 0509            | 2.0E       |                       | 0617      | 0923            | 1.6F       |             | 0810      | 1105            | 1.6E       |
|                        | 0757      | 1006            | 1.6F       | <b>Th</b>             | 1140      | 1547            | 1.9E       | <b>Tu</b>   | 1435      | 1653            | 1.9F       |
| <b>Sa</b>              | 1322      | 1648            | 1.9E       |                       | 1816      | 2130            | 1.6F       |             | 2032      | 2351            | 1.9E       |
|                        | 1959      | 2207            | 2.0F       | <b>19</b>             |           | 0006            | 0440       | 2.2E        |           |                 |            |
| <b>7</b>               | 0136      | 0538            | 2.0E       |                       | 0707      | 1012            | 1.8F       |             |           |                 |            |
|                        | 0839      | 1046            | 1.8F       | <b>19</b>             | 1233      | 1644            | 2.1E       |             |           |                 |            |
|                        | 1407      | 1737            | 2.0E       | <b>F</b>              | 1911      | 2218            | 1.7F       |             |           |                 |            |
| <b>Su</b>              | 2049      | 2257            | 2.0F       |                       |           |                 |            |             |           |                 |            |
| <b>8</b>               | 0222      | 0601            | 2.1E       | <b>20</b>             | 0054      | 0526            | 2.2E       |             |           |                 |            |
|                        | 0921      | 1127            | 1.9F       |                       | 0751      | 1055            | 1.8F       |             |           |                 |            |
|                        | 1450      | 1821            | 2.1E       | <b>Sa</b>             | 1320      | 1732            | 2.1E       |             |           |                 |            |
| <b>M</b>               | 2138      | 2345            | 2.1F       |                       | 1959      | 2258            | 1.7F       |             |           |                 |            |
| <b>9</b>               | 0307      | 0633            | 2.1E       | <b>21</b>             | 0138      | 0608            | 2.1E       |             |           |                 |            |
|                        | 1004      | 1211            | 2.0F       |                       | 0831      | 1133            | 1.8F       |             |           |                 |            |
|                        | 1534      | 1904            | 2.1E       | <b>Su</b>             | 1403      | 1813            | 2.1E       |             |           |                 |            |
| <b>Tu</b>              | 2228      |                 |            |                       | 2044      | 2324            | 1.6F       |             |           |                 |            |
| <b>10</b>              |           | 0034            | 2.1F       | <b>22</b>             | 0218      | 0643            | 2.0E       |             |           |                 |            |
|                        | 0354      | 0712            | 2.1E       |                       | 0909      | 1155            | 1.7F       |             |           |                 |            |
|                        | 1049      | 1256            | 2.1F       | <b>M</b>              | 1441      | 1846            | 2.0E       |             |           |                 |            |
| <b>W</b>               | 1620      | 1952            | 2.1E       |                       | 2125      | 2341            | 1.6F       |             |           |                 |            |
|                        | 2319      |                 |            | <b>23</b>             | 0256      | 0700            | 1.9E       |             |           |                 |            |
| <b>11</b>              | 0443      | 0758            | 2.1E       |                       | 0946      | 1159            | 1.6F       |             |           |                 |            |
|                        | 1136      | 1344            | 2.1F       | <b>Tu</b>             | 1517      | 1856            | 1.9E       |             |           |                 |            |
| <b>Th</b>              | 1709      | 2048            | 2.0E       |                       | 2206      |                 |            |             |           |                 |            |
|                        |           | 0125            | 2.0F       | <b>24</b>             |           | 0012            | 1.6F       |             |           |                 |            |
| <b>12</b>              | 0013      | 0216            | 1.9F       |                       | 0333      | 0642            | 1.8E       |             |           |                 |            |
|                        | 0534      | 0848            | 2.0E       | <b>W</b>              | 1021      | 1226            | 1.7F       |             |           |                 |            |
|                        | 1224      | 1433            | 2.1F       |                       | 1552      | 1906            | 1.9E       |             |           |                 |            |
| <b>F</b>               | 1803      | 2157            | 2.0E       |                       | 2249      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# MARCUS HOOK, PENNSYLVANIA

OCTOBER 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Day                 | Time |     | Height |                      | Day  | Time |      | Height                                                                                                                                                  |      | Day | Time |      | Height |     |
|---------------------|------|-----|--------|----------------------|------|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|------|--------|-----|
|                     | h.m. | ft. | cm     | ft.                  |      | cm   | h.m. | ft.                                                                                                                                                     | cm   |     | h.m. | ft.  | cm     |     |
| <b>1</b><br>W       | 0233 | 1.1 | 34     | <b>13</b><br>M<br>☉  | 0040 | 0.8  | 24   | <b>25</b><br>Sa                                                                                                                                         | 0312 | 5.2 | 158  | 0945 | 0.9    | 27  |
|                     | 0758 | 4.8 | 146    |                      | 0549 | 5.3  | 162  |                                                                                                                                                         | 1517 | 6.2 | 189  |      |        |     |
|                     | 1419 | 1.0 | 30     |                      | 1240 | 0.9  | 27   |                                                                                                                                                         | 2240 | 0.9 | 27   |      |        |     |
|                     | 2014 | 6.0 | 183    |                      | 1813 | 6.2  | 189  |                                                                                                                                                         |      |     |      |      |        |     |
| <b>2</b><br>Th      | 0328 | 1.0 | 30     | <b>14</b><br>Tu      | 0139 | 0.8  | 24   | <b>26</b><br>Su                                                                                                                                         | 0350 | 5.0 | 152  | 1018 | 0.9    | 27  |
|                     | 0855 | 5.0 | 152    |                      | 0656 | 5.2  | 158  |                                                                                                                                                         | 1553 | 6.1 | 186  |      |        |     |
|                     | 1523 | 0.9 | 27     |                      | 1341 | 0.9  | 27   |                                                                                                                                                         | 2324 | 1.0 | 30   |      |        |     |
|                     | 2112 | 6.2 | 189    |                      | 1921 | 6.1  | 186  |                                                                                                                                                         |      |     |      |      |        |     |
| <b>3</b><br>F       | 0422 | 0.8 | 24     | <b>15</b><br>W       | 0237 | 0.8  | 24   | <b>27</b><br>M                                                                                                                                          | 0431 | 4.8 | 146  | 1056 | 0.9    | 27  |
|                     | 0948 | 5.4 | 165    |                      | 0802 | 5.3  | 162  |                                                                                                                                                         | 1634 | 6.0 | 183  |      |        |     |
|                     | 1625 | 0.7 | 21     |                      | 1442 | 0.9  | 27   |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 2206 | 6.3 | 192    |                      | 2027 | 6.0  | 183  |                                                                                                                                                         |      |     |      |      |        |     |
| <b>4</b><br>Sa      | 0513 | 0.6 | 18     | <b>16</b><br>Th      | 0334 | 0.7  | 21   | <b>28</b><br>Tu                                                                                                                                         | 0012 | 1.0 | 30   | 0519 | 4.7    | 143 |
|                     | 1036 | 5.8 | 177    |                      | 0903 | 5.5  | 168  |                                                                                                                                                         | 1145 | 0.9 | 27   |      |        |     |
|                     | 1723 | 0.5 | 15     |                      | 1542 | 0.8  | 24   |                                                                                                                                                         | 1725 | 5.9 | 180  |      |        |     |
|                     | 2255 | 6.5 | 198    |                      | 2127 | 6.0  | 183  |                                                                                                                                                         |      |     |      |      |        |     |
| <b>5</b><br>Su      | 0601 | 0.5 | 15     | <b>17</b><br>F       | 0427 | 0.5  | 15   | <b>29</b><br>W<br>☉                                                                                                                                     | 0102 | 0.9 | 27   | 0616 | 4.7    | 143 |
|                     | 1122 | 6.2 | 189    |                      | 0959 | 5.7  | 174  |                                                                                                                                                         | 1244 | 0.8 | 24   |      |        |     |
|                     | 1819 | 0.4 | 12     |                      | 1639 | 0.7  | 21   |                                                                                                                                                         | 1826 | 5.8 | 177  |      |        |     |
|                     | 2342 | 6.6 | 201    |                      | 2221 | 6.1  | 186  |                                                                                                                                                         |      |     |      |      |        |     |
| <b>6</b><br>M       | 0648 | 0.4 | 12     | <b>18</b><br>Sa      | 0516 | 0.4  | 12   | <b>30</b><br>Th                                                                                                                                         | 0155 | 0.8 | 24   | 0716 | 4.8    | 146 |
|                     | 1206 | 6.6 | 201    |                      | 1049 | 6.0  | 183  |                                                                                                                                                         | 1348 | 0.8 | 24   |      |        |     |
|                     | 1913 | 0.3 | 9      |                      | 1732 | 0.5  | 15   |                                                                                                                                                         | 1930 | 5.8 | 177  |      |        |     |
|                     |      |     |        |                      | 2309 | 6.1  | 186  |                                                                                                                                                         |      |     |      |      |        |     |
| <b>7</b><br>Tu<br>☉ | 0028 | 6.6 | 201    | <b>19</b><br>Su      | 0602 | 0.4  | 12   | <b>31</b><br>F                                                                                                                                          | 0248 | 0.7 | 21   | 0814 | 5.1    | 155 |
|                     | 0734 | 0.3 | 9      |                      | 1133 | 6.2  | 189  |                                                                                                                                                         | 1454 | 0.7 | 21   |      |        |     |
|                     | 1250 | 6.9 | 210    |                      | 1822 | 0.5  | 15   |                                                                                                                                                         | 2032 | 5.9 | 180  |      |        |     |
|                     | 2006 | 0.3 | 9      |                      | 2353 | 6.1  | 186  |                                                                                                                                                         |      |     |      |      |        |     |
| <b>8</b><br>W       | 0115 | 6.5 | 198    | <b>20</b><br>M       | 0645 | 0.5  | 15   | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.<br>Heights are referred to mean<br>lower low water which is the<br>chart datum of soundings. |      |     |      |      |        |     |
|                     | 0821 | 0.3 | 9      |                      | 1215 | 6.4  | 195  |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 1335 | 7.1 | 216    |                      | 1909 | 0.5  | 15   |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 2059 | 0.3 | 9      |                      |      |      |      |                                                                                                                                                         |      |     |      |      |        |     |
| <b>9</b><br>Th      | 0203 | 6.3 | 192    | <b>21</b><br>Tu<br>☉ | 0034 | 6.0  | 183  |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 0907 | 0.4 | 12     |                      | 0725 | 0.6  | 18   |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 1423 | 7.1 | 216    |                      | 1254 | 6.4  | 195  |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 2151 | 0.4 | 12     |                      | 1954 | 0.6  | 18   |                                                                                                                                                         |      |     |      |      |        |     |
| <b>10</b><br>F      | 0254 | 6.1 | 186    | <b>22</b><br>W       | 0115 | 5.8  | 177  |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 0955 | 0.5 | 15     |                      | 0803 | 0.7  | 21   |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 1513 | 7.0 | 213    |                      | 1332 | 6.4  | 195  |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 2245 | 0.6 | 18     |                      | 2037 | 0.6  | 18   |                                                                                                                                                         |      |     |      |      |        |     |
| <b>11</b><br>Sa     | 0347 | 5.8 | 177    | <b>23</b><br>Th      | 0155 | 5.6  | 171  | DAYLIGHT<br>SAVING TIME<br>Times ARE adjusted<br>for DST.                                                                                               |      |     |      |      |        |     |
|                     | 1046 | 0.6 | 18     |                      | 0839 | 0.8  | 24   |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 1607 | 6.8 | 207    |                      | 1408 | 6.4  | 195  |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 2342 | 0.7 | 21     |                      | 2118 | 0.8  | 24   |                                                                                                                                                         |      |     |      |      |        |     |
| <b>12</b><br>Su     | 0445 | 5.5 | 168    | <b>24</b><br>F       | 0234 | 5.4  | 165  |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 1141 | 0.8 | 24     |                      | 0913 | 0.9  | 27   |                                                                                                                                                         |      |     |      |      |        |     |
|                     | 1707 | 6.5 | 198    |                      | 1443 | 6.3  | 192  |                                                                                                                                                         |      |     |      |      |        |     |
|                     |      |     |        |                      | 2159 | 0.8  | 24   |                                                                                                                                                         |      |     |      |      |        |     |

# MARCUS HOOK BAR (North)

**OCTOBER 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               | 0359      | 0542            | 1.1F       | <b>13</b>             | 0157      | 0404            | 1.4F       | <b>25</b>   |           | 0104            | 1.4F       |
|                        | 0913      | 1204            | 1.6E       |                       | 0716      | 1045            | 1.9E       |             | 0420      | 0713            | 1.7E       |
| <b>W</b>               | 1537      | 1751            | 1.8F       | <b>M</b>              | 1352      | 1559            | 1.8F       | <b>Sa</b>   | 1054      | 1310            | 2.0F       |
|                        | 2132      |                 |            |                       | 1949      |                 |            |             | 1634      | 1949            | 1.9E       |
| <b>2</b>               |           | 0050            | 1.8E       | <b>14</b>             |           | 0025            | 2.1E       | <b>26</b>   | 0000      | 0148            | 1.4F       |
|                        | 0454      | 0645            | 1.1F       |                       | 0256      | 0548            | 1.4F       |             | 0502      | 0758            | 1.7E       |
| <b>Th</b>              | 1014      | 1306            | 1.7E       | <b>Tu</b>             | 0820      | 1157            | 1.9E       | <b>Su</b>   | 1135      | 1355            | 2.1F       |
|                        | 1642      | 1851            | 1.7F       |                       | 1452      | 1701            | 1.6F       |             | 1717      | 2036            | 1.9E       |
|                        | 2230      |                 |            |                       | 2051      |                 |            |             |           |                 |            |
| <b>3</b>               |           | 0152            | 1.8E       | <b>15</b>             |           | 0124            | 2.1E       | <b>27</b>   | 0049      | 0235            | 1.3F       |
|                        | 0546      | 0747            | 1.3F       |                       | 0355      | 0706            | 1.4F       |             | 0549      | 0849            | 1.7E       |
| <b>F</b>               | 1110      | 1411            | 1.8E       | <b>W</b>              | 0923      | 1311            | 1.9E       | <b>M</b>    | 1221      | 1443            | 2.1F       |
|                        | 1746      | 1953            | 1.7F       |                       | 1555      | 1854            | 1.5F       |             | 1804      | 2127            | 1.9E       |
|                        | 2326      |                 |            |                       | 2151      |                 |            |             |           |                 |            |
| <b>4</b>               |           | 0258            | 1.9E       | <b>16</b>             |           | 0221            | 2.1E       | <b>28</b>   | 0138      | 0324            | 1.3F       |
|                        | 0635      | 0842            | 1.5F       |                       | 0451      | 0806            | 1.6F       |             | 0642      | 0943            | 1.7E       |
| <b>Sa</b>              | 1202      | 1517            | 1.9E       | <b>Th</b>             | 1022      | 1421            | 2.0E       | <b>Tu</b>   | 1312      | 1533            | 2.0F       |
|                        | 1844      | 2052            | 1.8F       |                       | 1657      | 2018            | 1.5F       |             | 1856      | 2220            | 1.9E       |
|                        |           |                 |            |                       | 2248      |                 |            |             |           |                 |            |
| <b>5</b>               | 0019      | 0357            | 1.9E       | <b>17</b>             |           | 0316            | 2.1E       | <b>29</b>   | 0228      | 0415            | 1.3F       |
|                        | 0721      | 0930            | 1.7F       |                       | 0544      | 0858            | 1.7F       |             | 0740      | 1040            | 1.7E       |
| <b>Su</b>              | 1250      | 1620            | 2.0E       | <b>F</b>              | 1117      | 1522            | 2.1E       | <b>W</b>    | 1410      | 1626            | 1.9F       |
|                        | 1937      | 2146            | 1.9F       |                       | 1756      | 2112            | 1.6F       |             | 1953      | 2313            | 1.9E       |
|                        |           |                 |            |                       | 2339      |                 |            |             |           |                 |            |
| <b>6</b>               | 0109      | 0443            | 2.0E       | <b>18</b>             |           | 0406            | 2.1E       | <b>30</b>   | 0318      | 0509            | 1.3F       |
|                        | 0805      | 1014            | 1.9F       |                       | 0633      | 0944            | 1.8F       |             | 0840      | 1138            | 1.7E       |
| <b>M</b>               | 1336      | 1714            | 2.1E       | <b>Sa</b>             | 1207      | 1617            | 2.1E       | <b>Th</b>   | 1513      | 1722            | 1.8F       |
|                        | 2028      | 2237            | 2.0F       |                       | 1849      | 2158            | 1.6F       |             | 2054      |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>7</b>               | 0157      | 0523            | 2.1E       | <b>19</b>             | 0026      | 0452            | 2.1E       | <b>31</b>   |           | 0007            | 1.9E       |
|                        | 0850      | 1059            | 2.0F       |                       | 0716      | 1026            | 1.8F       |             | 0410      | 0606            | 1.4F       |
| <b>Tu</b>              | 1422      | 1804            | 2.2E       | <b>Su</b>             | 1251      | 1704            | 2.1E       | <b>F</b>    | 0939      | 1237            | 1.8E       |
|                        | 2119      | 2326            | 2.1F       |                       | 1935      | 2237            | 1.6F       |             | 1617      | 1823            | 1.7F       |
|                        |           |                 |            |                       |           |                 |            |             | 2155      |                 |            |
| <b>8</b>               | 0245      | 0604            | 2.1E       | <b>20</b>             | 0108      | 0531            | 2.0E       |             |           |                 |            |
|                        | 0935      | 1144            | 2.1F       |                       | 0757      | 1059            | 1.7F       |             |           |                 |            |
| <b>W</b>               | 1509      | 1856            | 2.1E       | <b>M</b>              | 1331      | 1745            | 2.1E       |             |           |                 |            |
|                        | 2210      |                 |            |                       | 2018      | 2303            | 1.6F       |             |           |                 |            |
| <b>9</b>               |           | 0016            | 2.0F       | <b>21</b>             | 0148      | 0559            | 1.9E       |             |           |                 |            |
|                        | 0334      | 0649            | 2.1E       |                       | 0834      | 1103            | 1.6F       |             |           |                 |            |
| <b>Th</b>              | 1022      | 1232            | 2.2F       | <b>Tu</b>             | 1408      | 1817            | 2.0E       |             |           |                 |            |
|                        | 1558      | 1958            | 2.1E       |                       | 2100      | 2315            | 1.6F       |             |           |                 |            |
|                        | 2304      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>10</b>              |           | 0108            | 1.9F       | <b>22</b>             | 0226      | 0546            | 1.8E       |             |           |                 |            |
|                        | 0424      | 0738            | 2.0E       |                       | 0909      | 1118            | 1.7F       |             |           |                 |            |
| <b>F</b>               | 1111      | 1321            | 2.2F       | <b>W</b>              | 1443      | 1821            | 1.9E       |             |           |                 |            |
|                        | 1651      | 2113            | 2.1E       |                       | 2142      | 2344            | 1.5F       |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>11</b>              | 0001      | 0202            | 1.7F       | <b>23</b>             | 0303      | 0601            | 1.8E       |             |           |                 |            |
|                        | 0518      | 0834            | 2.0E       |                       | 0944      | 1150            | 1.8F       |             |           |                 |            |
| <b>Sa</b>              | 1202      | 1411            | 2.1F       | <b>Th</b>             | 1518      | 1834            | 1.9E       |             |           |                 |            |
|                        | 1748      | 2222            | 2.1E       |                       | 2226      |                 |            |             |           |                 |            |
|                        |           |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>12</b>              | 0058      | 0259            | 1.6F       | <b>24</b>             |           | 0022            | 1.5F       |             |           |                 |            |
|                        | 0615      | 0937            | 1.9E       |                       | 0341      | 0633            | 1.8E       |             |           |                 |            |
| <b>Su</b>              | 1255      | 1504            | 2.0F       | <b>F</b>              | 1018      | 1228            | 1.9F       |             |           |                 |            |
|                        | 1848      | 2325            | 2.1E       |                       | 1555      | 1907            | 1.9E       |             |           |                 |            |
|                        |           |                 |            |                       | 2312      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT SAVING TIME**  
Times ARE adjusted for DST.

# MARCUS HOOK, PENNSYLVANIA

NOVEMBER 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Time                |      | Height |     | Time            |      | Height |     | Time            |      | Height |     |
|---------------------|------|--------|-----|-----------------|------|--------|-----|-----------------|------|--------|-----|
| Day                 | h.m. | ft.    | cm  | Day             | h.m. | ft.    | cm  | Day             | h.m. | ft.    | cm  |
| <b>1</b><br>Sa      | 0342 | 0.5    | 15  | <b>13</b><br>Th | 0108 | 0.5    | 15  | <b>25</b><br>Tu | 0301 | 4.6    | 140 |
|                     | 0910 | 5.5    | 168 |                 | 0639 | 5.2    | 158 |                 | 0936 | 0.5    | 15  |
|                     | 1558 | 0.5    | 15  |                 | 1318 | 0.7    | 21  |                 | 1504 | 5.9    | 180 |
|                     | 2130 | 6.0    | 183 |                 | 1901 | 5.6    | 171 |                 | 2242 | 0.5    | 15  |
| <b>2</b><br>Su      | 0334 | 0.4    | 12  | <b>14</b><br>F  | 0201 | 0.4    | 12  | <b>26</b><br>W  | 0344 | 4.6    | 140 |
|                     | 0902 | 6.0    | 183 |                 | 0738 | 5.4    | 165 |                 | 1024 | 0.5    | 15  |
|                     | 1600 | 0.4    | 12  |                 | 1417 | 0.6    | 18  |                 | 1552 | 5.8    | 177 |
|                     | 2124 | 6.1    | 186 |                 | 2000 | 5.6    | 171 |                 | 2329 | 0.4    | 12  |
| <b>3</b><br>M       | 0425 | 0.3    | 9   | <b>15</b><br>Sa | 0252 | 0.3    | 9   | <b>27</b><br>Th | 0437 | 4.7    | 143 |
|                     | 0951 | 6.4    | 195 |                 | 0832 | 5.6    | 171 |                 | 1121 | 0.5    | 15  |
|                     | 1658 | 0.2    | 6   |                 | 1514 | 0.4    | 12  |                 | 1649 | 5.6    | 171 |
|                     | 2215 | 6.1    | 186 |                 | 2054 | 5.6    | 171 |                 |      |        |     |
| <b>4</b><br>Tu      | 0515 | 0.2    | 6   | <b>16</b><br>Su | 0341 | 0.2    | 6   | <b>28</b><br>F  | 0018 | 0.3    | 9   |
|                     | 1038 | 6.8    | 207 |                 | 0922 | 5.9    | 180 |                 | 0535 | 4.9    | 149 |
|                     | 1754 | 0.1    | 3   |                 | 1607 | 0.3    | 9   |                 | 1224 | 0.5    | 15  |
|                     | 2304 | 6.1    | 186 |                 | 2143 | 5.5    | 168 |                 | 1752 | 5.5    | 168 |
| <b>5</b><br>W<br>O  | 0604 | 0.2    | 6   | <b>17</b><br>M  | 0426 | 0.2    | 6   | <b>29</b><br>Sa | 0109 | 0.2    | 6   |
|                     | 1125 | 7.0    | 213 |                 | 1007 | 6.1    | 186 |                 | 0634 | 5.2    | 158 |
|                     | 1849 | 0.1    | 3   |                 | 1657 | 0.2    | 6   |                 | 1330 | 0.4    | 12  |
|                     | 2353 | 6.0    | 183 |                 | 2228 | 5.5    | 168 |                 | 1856 | 5.5    | 168 |
| <b>6</b><br>Th      | 0654 | 0.2    | 6   | <b>18</b><br>Tu | 0509 | 0.3    | 9   | <b>30</b><br>Su | 0202 | 0.2    | 6   |
|                     | 1213 | 7.1    | 216 |                 | 1048 | 6.2    | 189 |                 | 0733 | 5.5    | 168 |
|                     | 1943 | 0.1    | 3   |                 | 1745 | 0.2    | 6   |                 | 1435 | 0.3    | 9   |
|                     |      |        |     |                 | 2310 | 5.4    | 165 |                 | 1957 | 5.4    | 165 |
| <b>7</b><br>F       | 0044 | 5.9    | 180 | <b>19</b><br>W  | 0551 | 0.4    | 12  |                 |      |        |     |
|                     | 0744 | 0.3    | 9   |                 | 1128 | 6.2    | 189 |                 |      |        |     |
|                     | 1303 | 7.0    | 213 |                 | 1830 | 0.3    | 9   |                 |      |        |     |
|                     | 2036 | 0.2    | 6   |                 | 2351 | 5.2    | 158 |                 |      |        |     |
| <b>8</b><br>Sa      | 0137 | 5.7    | 174 | <b>20</b><br>Th | 0630 | 0.4    | 12  |                 |      |        |     |
|                     | 0835 | 0.3    | 9   |                 | 1205 | 6.2    | 189 |                 |      |        |     |
|                     | 1355 | 6.9    | 210 |                 | 1914 | 0.3    | 9   |                 |      |        |     |
|                     | 2129 | 0.3    | 9   |                 |      |        |     |                 |      |        |     |
| <b>9</b><br>Su      | 0231 | 5.5    | 168 | <b>21</b><br>F  | 0031 | 5.1    | 155 |                 |      |        |     |
|                     | 0927 | 0.5    | 15  |                 | 0708 | 0.5    | 15  |                 |      |        |     |
|                     | 1450 | 6.6    | 201 |                 | 1241 | 6.1    | 186 |                 |      |        |     |
|                     | 2223 | 0.4    | 12  |                 | 1956 | 0.4    | 12  |                 |      |        |     |
| <b>10</b><br>M      | 0330 | 5.2    | 158 | <b>22</b><br>Sa | 0109 | 4.9    | 149 |                 |      |        |     |
|                     | 1022 | 0.6    | 18  |                 | 0745 | 0.6    | 18  |                 |      |        |     |
|                     | 1549 | 6.3    | 192 |                 | 1316 | 6.1    | 186 |                 |      |        |     |
|                     | 2318 | 0.5    | 15  |                 | 2037 | 0.5    | 15  |                 |      |        |     |
| <b>11</b><br>Tu     | 0432 | 5.1    | 155 | <b>23</b><br>Su | 0146 | 4.8    | 146 |                 |      |        |     |
|                     | 1120 | 0.7    | 21  |                 | 0820 | 0.6    | 18  |                 |      |        |     |
|                     | 1653 | 6.0    | 183 |                 | 1350 | 6.0    | 183 |                 |      |        |     |
|                     |      |        |     |                 | 2117 | 0.5    | 15  |                 |      |        |     |
| <b>12</b><br>W<br>O | 0014 | 0.5    | 15  | <b>24</b><br>M  | 0223 | 4.7    | 143 |                 |      |        |     |
|                     | 0536 | 5.1    | 155 |                 | 0856 | 0.5    | 15  |                 |      |        |     |
|                     | 1219 | 0.7    | 21  |                 | 1424 | 6.0    | 183 |                 |      |        |     |
|                     | 1758 | 5.7    | 174 |                 | 2159 | 0.5    | 15  |                 |      |        |     |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.  
Heights are referred to mean lower low water which is the chart datum of soundings.

### EASTERN STANDARD TIME/ DAYLIGHT SAVING TIME

Times ARE adjusted for DST until November 2.

# MARCUS HOOK BAR (North)

**NOVEMBER 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |                                                                                                                                                                                                              |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water                                                                                                                                                                                                  |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day                                                                                                                                                                                                          | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b><br>Sa         | 0503      | 0103            | 1.9E       | <b>13</b><br>Th       | 0223      | 0537            | 1.6F       | <b>25</b><br>Tu                                                                                                                                                                                              | 0111      | 0111            | 1.4F       |
|                        | 1034      | 0704            | 1.5F       |                       | 0800      | 1151            | 2.0E       |                                                                                                                                                                                                              | 0429      | 0728            | 1.7E       |
|                        | 1720      | 1338            | 1.9E       |                       | 1433      | 1742            | 1.4F       |                                                                                                                                                                                                              | 1101      | 1318            | 2.1F       |
|                        | 2253      | 1925            | 1.7F       |                       | 2023      |                 |            |                                                                                                                                                                                                              | 1635      | 2000            | 2.0E       |
| <b>2</b><br>Su         | 0454      | 0100            | 1.9E       | <b>14</b><br>F        | 0314      | 0044            | 2.0E       | <b>26</b><br>W                                                                                                                                                                                               | 0007      | 0158            | 1.4F       |
|                        | 1027      | 0701            | 1.7F       |                       | 0855      | 0634            | 1.6F       |                                                                                                                                                                                                              | 0519      | 0822            | 1.7E       |
|                        | 1719      | 1340            | 1.9E       |                       | 1532      | 1251            | 2.0E       |                                                                                                                                                                                                              | 1154      | 1409            | 2.0F       |
|                        | 2249      | 1926            | 1.8F       |                       | 2116      | 1851            | 1.5F       |                                                                                                                                                                                                              | 1725      | 2049            | 2.0E       |
| <b>3</b><br>M          | 0544      | 0158            | 1.9E       | <b>15</b><br>Sa       | 0405      | 0135            | 2.0E       | <b>27</b><br>Th                                                                                                                                                                                              | 0052      | 0247            | 1.5F       |
|                        | 1117      | 0754            | 1.8F       |                       | 0946      | 0726            | 1.7F       |                                                                                                                                                                                                              | 0612      | 0917            | 1.8E       |
|                        | 1814      | 1447            | 2.0E       |                       | 1628      | 1349            | 2.1E       |                                                                                                                                                                                                              | 1251      | 1501            | 1.9F       |
|                        | 2341      | 2023            | 1.9F       |                       | 2206      | 1945            | 1.5F       |                                                                                                                                                                                                              | 1820      | 2139            | 1.9E       |
| <b>4</b><br>Tu         | 0633      | 0255            | 2.0E       | <b>16</b><br>Su       | 0454      | 0224            | 1.9E       | <b>28</b><br>F                                                                                                                                                                                               | 0139      | 0337            | 1.6F       |
|                        | 1206      | 0843            | 2.0F       |                       | 1034      | 0812            | 1.7F       |                                                                                                                                                                                                              | 0706      | 1012            | 1.8E       |
|                        | 1908      | 1556            | 2.1E       |                       | 1720      | 1443            | 2.1E       |                                                                                                                                                                                                              | 1350      | 1556            | 1.8F       |
|                        |           | 2116            | 1.9F       |                       | 2252      | 2031            | 1.6F       |                                                                                                                                                                                                              | 1920      | 2231            | 1.9E       |
| <b>5</b><br>W          | 0032      | 0347            | 2.0E       | <b>17</b><br>M        | 0539      | 0308            | 1.9E       | <b>29</b><br>Sa                                                                                                                                                                                              | 0229      | 0431            | 1.6F       |
|                        | 0720      | 0931            | 2.1F       |                       | 1118      | 0851            | 1.7F       |                                                                                                                                                                                                              | 0802      | 1107            | 1.9E       |
|                        | 1256      | 1704            | 2.1E       |                       | 1808      | 1533            | 2.1E       |                                                                                                                                                                                                              | 1451      | 1655            | 1.7F       |
|                        | 2001      | 2209            | 1.9F       |                       | 2336      | 2111            | 1.6F       |                                                                                                                                                                                                              | 2021      | 2324            | 1.9E       |
| <b>6</b><br>Th         | 0122      | 0437            | 2.0E       | <b>18</b><br>Tu       | 0620      | 0344            | 1.8E       | <b>30</b><br>Su                                                                                                                                                                                              | 0322      | 0527            | 1.7F       |
|                        | 0808      | 1020            | 2.2F       |                       | 1159      | 0916            | 1.6F       |                                                                                                                                                                                                              | 0858      | 1203            | 1.9E       |
|                        | 1347      | 1810            | 2.2E       |                       | 1853      | 1618            | 2.0E       |                                                                                                                                                                                                              | 1553      | 1757            | 1.7F       |
|                        | 2056      | 2302            | 1.8F       |                       |           | 2141            | 1.5F       |                                                                                                                                                                                                              | 2121      |                 |            |
| <b>7</b><br>F          | 0214      | 0529            | 2.0E       | <b>19</b><br>W        | 0018      | 0352            | 1.8E       | <p>Time meridian 75° W.<br/>0000 is midnight.<br/>1200 is noon.</p> <p><b>EASTERN<br/>STANDARD TIME/<br/>DAYLIGHT<br/>SAVING TIME</b></p> <p><b>Times ARE adjusted<br/>for DST until<br/>November 2.</b></p> |           |                 |            |
|                        | 0857      | 1109            | 2.2F       |                       | 0658      | 0915            | 1.7F       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1440      | 1915            | 2.2E       |                       | 1237      | 1656            | 2.0E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 2151      | 2357            | 1.7F       |                       | 1938      | 2155            | 1.4F       |                                                                                                                                                                                                              |           |                 |            |
| <b>8</b><br>Sa         | 0307      | 0626            | 1.9E       | <b>20</b><br>Th       | 0058      | 0401            | 1.7E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 0948      | 1200            | 2.1F       |                       | 0734      | 0943            | 1.8F       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1536      | 2016            | 2.2E       |                       | 1314      | 1719            | 1.9E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 2248      |                 |            |                       | 2022      | 2223            | 1.4F       |                                                                                                                                                                                                              |           |                 |            |
| <b>9</b><br>Su         | 0403      | 0055            | 1.6F       | <b>21</b><br>F        | 0137      | 0431            | 1.7E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1041      | 0731            | 1.9E       |                       | 0809      | 1019            | 1.9F       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1632      | 1252            | 2.0F       |                       | 1351      | 1723            | 1.9E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 2343      | 2114            | 2.2E       |                       | 2108      | 2300            | 1.3F       |                                                                                                                                                                                                              |           |                 |            |
| <b>10</b><br>M         | 0502      | 0158            | 1.5F       | <b>22</b><br>Sa       | 0217      | 0507            | 1.7E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1137      | 0842            | 1.9E       |                       | 0846      | 1100            | 2.0F       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1731      | 1346            | 1.9F       |                       | 1428      | 1752            | 1.9E       |                                                                                                                                                                                                              |           |                 |            |
|                        |           | 2209            | 2.2E       |                       | 2153      | 2342            | 1.3F       |                                                                                                                                                                                                              |           |                 |            |
| <b>11</b><br>Tu        | 0038      | 0315            | 1.5F       | <b>23</b><br>Su       | 0258      | 0550            | 1.6E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 0602      | 0949            | 1.9E       |                       | 0926      | 1144            | 2.1F       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1235      | 1443            | 1.7F       |                       | 1507      | 1830            | 1.9E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1829      | 2301            | 2.2E       |                       | 2239      |                 |            |                                                                                                                                                                                                              |           |                 |            |
| <b>12</b><br>W         | 0131      | 0433            | 1.5F       | <b>24</b><br>M        | 0342      | 0026            | 1.3F       |                                                                                                                                                                                                              |           |                 |            |
|                        | 0702      | 1051            | 2.0E       |                       | 1011      | 0637            | 1.6E       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1334      | 1546            | 1.6F       |                       | 1549      | 1230            | 2.1F       |                                                                                                                                                                                                              |           |                 |            |
|                        | 1927      | 2353            | 2.1E       |                       | 2323      | 1913            | 2.0E       |                                                                                                                                                                                                              |           |                 |            |

# MARCUS HOOK, PENNSYLVANIA

DECEMBER 2025

STATION ID 8540433

## Times and Heights of High and Low Waters

| Day                  | Time |      | Height |                 | Day  | Time |      | Height          |      | Day  | Time |     | Height |  |  |
|----------------------|------|------|--------|-----------------|------|------|------|-----------------|------|------|------|-----|--------|--|--|
|                      | h.m. | ft.  | cm     | ft.             |      | cm   | h.m. | ft.             | cm   |      | h.m. | ft. | cm     |  |  |
| <b>1</b><br>M        | 0257 | 0.1  | 3      | <b>13</b><br>Sa | 0122 | 0.1  | 3    | <b>25</b><br>Th | 0316 | 4.7  | 143  |     |        |  |  |
|                      | 0829 | 5.9  | 180    |                 | 0703 | 5.1  | 155  |                 | 1010 | 0.1  | 3    |     |        |  |  |
|                      | 1539 | 0.2  | 6      |                 | 1346 | 0.3  | 9    |                 | 1528 | 5.6  | 171  |     |        |  |  |
|                      | 2056 | 5.5  | 168    |                 | 1926 | 5.0  | 152  |                 | 2256 | -0.1 | -3   |     |        |  |  |
| <b>2</b><br>Tu       | 0351 | 0.0  | 0      | <b>14</b><br>Su | 0212 | 0.1  | 3    | <b>26</b><br>F  | 0404 | 4.9  | 149  |     |        |  |  |
|                      | 0922 | 6.3  | 192    |                 | 0758 | 5.3  | 162  |                 | 1105 | 0.1  | 3    |     |        |  |  |
|                      | 1639 | 0.0  | 0      |                 | 1443 | 0.2  | 6    |                 | 1621 | 5.4  | 165  |     |        |  |  |
|                      | 2151 | 5.5  | 168    |                 | 2021 | 4.9  | 149  |                 | 2342 | -0.1 | -3   |     |        |  |  |
| <b>3</b><br>W        | 0445 | 0.0  | 0      | <b>15</b><br>M  | 0301 | 0.1  | 3    | <b>27</b><br>Sa | 0459 | 5.0  | 152  |     |        |  |  |
|                      | 1013 | 6.6  | 201    |                 | 0849 | 5.5  | 168  |                 | 1205 | 0.1  | 3    |     |        |  |  |
|                      | 1737 | -0.1 | -3     |                 | 1538 | 0.1  | 3    |                 | 1721 | 5.2  | 158  |     |        |  |  |
|                      | 2243 | 5.5  | 168    |                 | 2113 | 4.9  | 149  |                 | ☉    |      |      |     |        |  |  |
| <b>4</b><br>Th<br>O  | 0539 | -0.1 | -3     | <b>16</b><br>Tu | 0348 | 0.1  | 3    | <b>28</b><br>Su | 0032 | -0.1 | -3   |     |        |  |  |
|                      | 1104 | 6.7  | 204    |                 | 0936 | 5.7  | 174  |                 | 0558 | 5.2  | 158  |     |        |  |  |
|                      | 1832 | -0.1 | -3     |                 | 1630 | 0.0  | 0    |                 | 1310 | 0.1  | 3    |     |        |  |  |
|                      | 2334 | 5.5  | 168    |                 | 2200 | 4.8  | 146  |                 | 1825 | 5.0  | 152  |     |        |  |  |
| <b>5</b><br>F        | 0632 | 0.0  | 0      | <b>17</b><br>W  | 0433 | 0.1  | 3    | <b>29</b><br>M  | 0127 | -0.1 | -3   |     |        |  |  |
|                      | 1154 | 6.7  | 204    |                 | 1020 | 5.8  | 177  |                 | 0659 | 5.5  | 168  |     |        |  |  |
|                      | 1926 | -0.1 | -3     |                 | 1719 | 0.0  | 0    |                 | 1415 | 0.1  | 3    |     |        |  |  |
|                      |      |      |        |                 | 2245 | 4.8  | 146  |                 | 1929 | 4.9  | 149  |     |        |  |  |
| <b>6</b><br>Sa       | 0027 | 5.4  | 165    | <b>18</b><br>Th | 0517 | 0.1  | 3    | <b>30</b><br>Tu | 0225 | -0.2 | -6   |     |        |  |  |
|                      | 0725 | 0.0  | 0      |                 | 1101 | 5.9  | 180  |                 | 0800 | 5.7  | 174  |     |        |  |  |
|                      | 1246 | 6.7  | 204    |                 | 1806 | 0.0  | 0    |                 | 1520 | 0.0  | 0    |     |        |  |  |
|                      | 2019 | -0.1 | -3     |                 | 2327 | 4.7  | 143  |                 | 2031 | 4.9  | 149  |     |        |  |  |
| <b>7</b><br>Su       | 0120 | 5.3  | 162    | <b>19</b><br>F  | 0600 | 0.1  | 3    | <b>31</b><br>W  | 0324 | -0.2 | -6   |     |        |  |  |
|                      | 0816 | 0.1  | 3      |                 | 1141 | 5.9  | 180  |                 | 0858 | 5.9  | 180  |     |        |  |  |
|                      | 1339 | 6.5  | 198    |                 | 1850 | 0.0  | 0    |                 | 1622 | -0.1 | -3   |     |        |  |  |
|                      | 2110 | 0.0  | 0      |                 |      |      |      |                 | 2131 | 4.8  | 146  |     |        |  |  |
| <b>8</b><br>M        | 0215 | 5.1  | 155    | <b>20</b><br>Sa | 0007 | 4.6  | 140  |                 |      |      |      |     |        |  |  |
|                      | 0908 | 0.1  | 3      |                 | 0641 | 0.1  | 3    |                 |      |      |      |     |        |  |  |
|                      | 1433 | 6.2  | 189    |                 | 1218 | 5.8  | 177  |                 |      |      |      |     |        |  |  |
|                      | 2200 | 0.0  | 0      |                 | ☉    | 1933 | 0.0  |                 |      |      |      |     |        |  |  |
| <b>9</b><br>Tu       | 0311 | 5.0  | 152    | <b>21</b><br>Su | 0046 | 4.5  | 137  |                 |      |      |      |     |        |  |  |
|                      | 1001 | 0.2  | 6      |                 | 0721 | 0.1  | 3    |                 |      |      |      |     |        |  |  |
|                      | 1529 | 5.9  | 180    |                 | 1253 | 5.8  | 177  |                 |      |      |      |     |        |  |  |
|                      | 2252 | 0.1  | 3      |                 | 2014 | 0.1  | 3    |                 |      |      |      |     |        |  |  |
| <b>10</b><br>W       | 0409 | 4.9  | 149    | <b>22</b><br>M  | 0123 | 4.5  | 137  |                 |      |      |      |     |        |  |  |
|                      | 1056 | 0.3  | 9      |                 | 0801 | 0.1  | 3    |                 |      |      |      |     |        |  |  |
|                      | 1628 | 5.6  | 171    |                 | 1328 | 5.8  | 177  |                 |      |      |      |     |        |  |  |
|                      | 2342 | 0.1  | 3      |                 | 2053 | 0.1  | 3    |                 |      |      |      |     |        |  |  |
| <b>11</b><br>Th<br>☉ | 0508 | 4.9  | 149    | <b>23</b><br>Tu | 0158 | 4.5  | 137  |                 |      |      |      |     |        |  |  |
|                      | 1152 | 0.4  | 12     |                 | 0841 | 0.1  | 3    |                 |      |      |      |     |        |  |  |
|                      | 1729 | 5.3  | 162    |                 | 1404 | 5.8  | 177  |                 |      |      |      |     |        |  |  |
|                      |      |      |        |                 | 2133 | 0.0  | 0    |                 |      |      |      |     |        |  |  |
| <b>12</b><br>F       | 0033 | 0.1  | 3      | <b>24</b><br>W  | 0235 | 4.6  | 140  |                 |      |      |      |     |        |  |  |
|                      | 0607 | 5.0  | 152    |                 | 0923 | 0.1  | 3    |                 |      |      |      |     |        |  |  |
|                      | 1249 | 0.4  | 12     |                 | 1443 | 5.7  | 174  |                 |      |      |      |     |        |  |  |
|                      | 1828 | 5.1  | 155    |                 | 2213 | 0.0  | 0    |                 |      |      |      |     |        |  |  |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

**EASTERN  
STANDARD TIME**

# MARCUS HOOK BAR (North)

**DECEMBER 2025**

**deb2119 (16 ft.)**

| F-Flood, Dir. 66° True |           |                 |            | E-Ebb, Dir. 248° True |           |                 |            |             |           |                 |            |
|------------------------|-----------|-----------------|------------|-----------------------|-----------|-----------------|------------|-------------|-----------|-----------------|------------|
| Slack Water            |           | Maximum Current |            | Slack Water           |           | Maximum Current |            | Slack Water |           | Maximum Current |            |
| Day                    | Time h.m. | Time h.m.       | Vel. knots | Day                   | Time h.m. | Time h.m.       | Vel. knots | Day         | Time h.m. | Time h.m.       | Vel. knots |
| <b>1</b>               |           | 0020            | 1.9E       | <b>13</b>             | 0233      | 0551            | 1.6F       | <b>25</b>   |           | 0133            | 1.7F       |
| M                      | 0417      | 0625            | 1.8F       |                       | 0819      | 1209            | 2.0E       | Th          | 0455      | 0803            | 1.8E       |
|                        | 0953      | 1304            | 1.9E       | Sa                    | 1500      | 1810            | 1.4F       |             | 1138      | 1347            | 2.0F       |
|                        | 1654      | 1900            | 1.7F       |                       | 2038      |                 |            |             | 1701      | 2020            | 2.0E       |
|                        | 2219      |                 |            |                       |           | 0035            | 1.8E       |             |           |                 |            |
| <b>2</b>               |           | 0118            | 1.9E       | <b>14</b>             | 0322      | 0644            | 1.6F       | <b>26</b>   | 0018      | 0219            | 1.8F       |
|                        | 0510      | 0721            | 1.9F       |                       | 0909      | 1305            | 2.0E       |             | 0543      | 0854            | 1.9E       |
| Tu                     | 1048      | 1421            | 2.0E       | Su                    | 1555      | 1909            | 1.4F       | F           | 1231      | 1439            | 1.9F       |
|                        | 1754      | 2002            | 1.7F       |                       | 2128      |                 |            |             | 1753      | 2109            | 2.0E       |
|                        | 2314      |                 |            |                       |           | 0114            | 1.8E       |             |           |                 |            |
| <b>3</b>               |           | 0217            | 1.9E       | <b>15</b>             | 0411      | 0730            | 1.5F       | <b>27</b>   | 0103      | 0308            | 1.8F       |
|                        | 0602      | 0815            | 2.0F       |                       | 0957      | 1404            | 1.9E       |             | 0633      | 0945            | 1.9E       |
| W                      | 1142      | 1607            | 2.1E       | M                     | 1648      | 1959            | 1.4F       | Sa          | 1327      | 1532            | 1.9F       |
|                        | 1851      | 2100            | 1.7F       |                       | 2216      |                 |            |             | 1851      | 2200            | 2.0E       |
| <b>4</b>               | 0008      | 0318            | 1.9E       | <b>16</b>             |           | 0146            | 1.8E       | <b>28</b>   | 0153      | 0359            | 1.8F       |
|                        | 0653      | 0907            | 2.1F       |                       | 0457      | 0805            | 1.6F       |             | 0728      | 1037            | 1.9E       |
| Th                     | 1236      | 1713            | 2.2E       | Tu                    | 1043      | 1501            | 2.0E       | Su          | 1426      | 1629            | 1.7F       |
|                        | 1947      | 2158            | 1.7F       |                       | 1741      | 2044            | 1.4F       |             | 1951      | 2253            | 2.0E       |
|                        |           |                 |            |                       | 2303      |                 |            |             |           |                 |            |
| <b>5</b>               | 0102      | 0420            | 1.9E       | <b>17</b>             |           | 0218            | 1.7E       | <b>29</b>   | 0246      | 0454            | 1.8F       |
|                        | 0743      | 0958            | 2.1F       |                       | 0540      | 0809            | 1.6F       |             | 0826      | 1133            | 1.9E       |
| F                      | 1330      | 1812            | 2.2E       | W                     | 1127      | 1553            | 2.0E       | M           | 1530      | 1731            | 1.6F       |
|                        | 2043      | 2255            | 1.6F       |                       | 1831      | 2124            | 1.4F       |             | 2052      | 2348            | 1.9E       |
|                        |           |                 |            |                       | 2349      |                 |            |             |           |                 |            |
| <b>6</b>               | 0157      | 0522            | 1.9E       | <b>18</b>             |           | 0253            | 1.7E       | <b>30</b>   | 0343      | 0553            | 1.8F       |
|                        | 0835      | 1049            | 2.1F       |                       | 0621      | 0836            | 1.7F       |             | 0925      | 1240            | 1.9E       |
| Sa                     | 1424      | 1908            | 2.3E       | Th                    | 1209      | 1639            | 2.0E       | Tu          | 1635      | 1837            | 1.5F       |
|                        | 2137      | 2355            | 1.6F       |                       | 1919      | 2149            | 1.3F       |             | 2152      |                 |            |
| <b>7</b>               | 0252      | 0628            | 1.9E       | <b>19</b>             | 0033      | 0331            | 1.6E       | <b>31</b>   |           | 0047            | 1.9E       |
|                        | 0928      | 1141            | 2.1F       |                       | 0701      | 0912            | 1.8F       |             | 0440      | 0653            | 1.9F       |
| Su                     | 1519      | 2002            | 2.3E       | F                     | 1249      | 1719            | 2.0E       | W           | 1025      | 1455            | 1.9E       |
|                        | 2230      |                 |            |                       | 2005      | 2209            | 1.3F       |             | 1738      | 1955            | 1.4F       |
|                        |           |                 |            |                       |           |                 |            |             | 2255      |                 |            |
| <b>8</b>               |           | 0056            | 1.6F       | <b>20</b>             | 0116      | 0410            | 1.6E       |             |           |                 |            |
|                        | 0349      | 0736            | 1.9E       |                       | 0740      | 0952            | 1.9F       |             |           |                 |            |
| M                      | 1023      | 1235            | 1.9F       | Sa                    | 1328      | 1746            | 2.0E       |             |           |                 |            |
|                        | 1614      | 2054            | 2.2E       |                       | 2049      | 2243            | 1.3F       |             |           |                 |            |
|                        | 2321      |                 |            |                       |           |                 |            |             |           |                 |            |
| <b>9</b>               |           | 0158            | 1.6F       | <b>21</b>             | 0159      | 0452            | 1.6E       |             |           |                 |            |
|                        | 0445      | 0839            | 2.0E       |                       | 0822      | 1036            | 2.0F       |             |           |                 |            |
| Tu                     | 1119      | 1329            | 1.8F       | Su                    | 1406      | 1751            | 2.0E       |             |           |                 |            |
|                        | 1708      | 2143            | 2.2E       |                       | 2132      | 2322            | 1.3F       |             |           |                 |            |
| <b>10</b>              | 0010      | 0258            | 1.6F       | <b>22</b>             | 0242      | 0536            | 1.6E       |             |           |                 |            |
|                        | 0541      | 0935            | 2.0E       |                       | 0907      | 1121            | 2.0F       |             |           |                 |            |
| W                      | 1215      | 1423            | 1.7F       | M                     | 1446      | 1817            | 2.0E       |             |           |                 |            |
|                        | 1801      | 2229            | 2.1E       |                       | 2213      |                 |            |             |           |                 |            |
| <b>11</b>              | 0058      | 0356            | 1.6F       | <b>23</b>             |           | 0004            | 1.4F       |             |           |                 |            |
|                        | 0635      | 1027            | 2.0E       |                       | 0325      | 0624            | 1.7E       |             |           |                 |            |
| Th                     | 1310      | 1521            | 1.5F       | Tu                    | 0956      | 1208            | 2.0F       |             |           |                 |            |
|                        | 1854      | 2313            | 2.0E       |                       | 1528      | 1853            | 2.0E       |             |           |                 |            |
|                        |           |                 |            |                       | 2254      |                 |            |             |           |                 |            |
| <b>12</b>              | 0145      | 0455            | 1.6F       | <b>24</b>             |           | 0048            | 1.6F       |             |           |                 |            |
|                        | 0728      | 1118            | 2.0E       |                       | 0410      | 0713            | 1.7E       |             |           |                 |            |
| F                      | 1405      | 1631            | 1.4F       | W                     | 1046      | 1257            | 2.0F       |             |           |                 |            |
|                        | 1946      | 2355            | 1.9E       |                       | 1612      | 1934            | 2.0E       |             |           |                 |            |
|                        |           |                 |            |                       | 2335      |                 |            |             |           |                 |            |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**





**2025**

**TIDES**

**PHILADELPHIA, PENNSYLVANIA**

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**JANUARY 2025** **STATION ID 8545240**

**Times and Heights of High and Low Waters**

|           | Time |      | Height |     |           | Time |      | Height |     |           | Time |      | Height |     |
|-----------|------|------|--------|-----|-----------|------|------|--------|-----|-----------|------|------|--------|-----|
|           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |
| <b>1</b>  |      | 0214 | 5.1    | 155 | <b>13</b> |      | 0027 | 5.2    | 158 | <b>25</b> |      | 0414 | 0.1    | 3   |
|           |      | 0847 | -0.1   | -3  |           |      | 0707 | 0.0    | 0   |           |      | 1015 | 5.9    | 180 |
|           | W    | 1424 | 6.4    | 195 |           | M    | 1248 | 6.3    | 192 |           | Sa   | 1710 | 0.2    | 6   |
|           |      | 2136 | 0.0    | 0   |           | ○    | 1958 | -0.1   | -3  |           |      | 2247 | 4.9    | 149 |
| <b>2</b>  |      | 0256 | 5.2    | 158 | <b>14</b> |      | 0118 | 5.2    | 158 | <b>26</b> |      | 0507 | 0.1    | 3   |
|           |      | 0933 | -0.1   | -3  |           |      | 0757 | 0.0    | 0   |           |      | 1104 | 6.0    | 183 |
|           | Th   | 1506 | 6.3    | 192 |           | Tu   | 1337 | 6.2    | 189 |           | Su   | 1803 | 0.1    | 3   |
|           |      | 2220 | 0.0    | 0   |           |      | 2045 | -0.1   | -3  |           |      | 2335 | 5.0    | 152 |
| <b>3</b>  |      | 0339 | 5.3    | 162 | <b>15</b> |      | 0207 | 5.2    | 158 | <b>27</b> |      | 0559 | 0.0    | 0   |
|           |      | 1022 | -0.1   | -3  |           |      | 0845 | 0.1    | 3   |           |      | 1151 | 6.2    | 189 |
|           | F    | 1552 | 6.3    | 192 |           | W    | 1424 | 6.2    | 189 |           | M    | 1852 | 0.1    | 3   |
|           |      | 2305 | -0.1   | -3  |           |      | 2130 | 0.0    | 0   |           |      |      |        |     |
| <b>4</b>  |      | 0426 | 5.4    | 165 | <b>16</b> |      | 0255 | 5.3    | 162 | <b>28</b> |      | 0021 | 5.1    | 155 |
|           |      | 1113 | -0.1   | -3  |           |      | 0931 | 0.1    | 3   |           |      | 0650 | -0.1   | -3  |
|           | Sa   | 1642 | 6.2    | 189 |           | Th   | 1511 | 6.0    | 183 |           | Tu   | 1236 | 6.3    | 192 |
|           |      | 2352 | -0.2   | -6  |           |      | 2213 | 0.0    | 0   |           |      | 1940 | 0.0    | 0   |
| <b>5</b>  |      | 0517 | 5.6    | 171 | <b>17</b> |      | 0342 | 5.3    | 162 | <b>29</b> |      | 0105 | 5.2    | 158 |
|           |      | 1208 | 0.0    | 0   |           |      | 1017 | 0.1    | 3   |           |      | 0739 | -0.2   | -6  |
|           | Su   | 1736 | 5.9    | 180 |           | F    | 1557 | 5.9    | 180 |           | W    | 1320 | 6.4    | 195 |
|           |      |      |        |     |           |      | 2254 | 0.0    | 0   |           | ●    | 2026 | -0.1   | -3  |
| <b>6</b>  |      | 0040 | -0.2   | -6  | <b>18</b> |      | 0428 | 5.3    | 162 | <b>30</b> |      | 0148 | 5.4    | 165 |
|           |      | 0612 | 5.7    | 174 |           |      | 1102 | 0.2    | 6   |           |      | 0828 | -0.3   | -9  |
|           | M    | 1306 | 0.1    | 3   |           | Sa   | 1643 | 5.7    | 174 |           | Th   | 1404 | 6.4    | 195 |
|           | ●    | 1834 | 5.7    | 174 |           |      | 2335 | 0.0    | 0   |           |      | 2111 | -0.2   | -6  |
| <b>7</b>  |      | 0132 | -0.2   | -6  | <b>19</b> |      | 0515 | 5.4    | 165 | <b>31</b> |      | 0232 | 5.6    | 171 |
|           |      | 0710 | 5.8    | 177 |           |      | 1148 | 0.2    | 6   |           |      | 0917 | -0.3   | -9  |
|           | Tu   | 1408 | 0.2    | 6   |           | Su   | 1731 | 5.5    | 168 |           | F    | 1449 | 6.4    | 195 |
|           |      | 1936 | 5.4    | 165 |           |      |      |        |     |           |      | 2155 | -0.2   | -6  |
| <b>8</b>  |      | 0227 | -0.1   | -3  | <b>20</b> |      | 0015 | 0.0    | 0   |           |      |      |        |     |
|           |      | 0810 | 6.0    | 183 |           |      | 0602 | 5.4    | 165 |           |      |      |        |     |
|           | W    | 1511 | 0.2    | 6   |           | M    | 1237 | 0.3    | 9   |           |      |      |        |     |
|           |      | 2038 | 5.3    | 162 |           |      | 1821 | 5.3    | 162 |           |      |      |        |     |
| <b>9</b>  |      | 0324 | 0.0    | 0   | <b>21</b> |      | 0057 | 0.0    | 0   |           |      |      |        |     |
|           |      | 0909 | 6.1    | 186 |           |      | 0651 | 5.5    | 168 |           |      |      |        |     |
|           | Th   | 1614 | 0.2    | 6   |           | Tu   | 1328 | 0.3    | 9   |           |      |      |        |     |
|           |      | 2139 | 5.2    | 158 |           | ●    | 1914 | 5.1    | 155 |           |      |      |        |     |
| <b>10</b> |      | 0422 | 0.0    | 0   | <b>22</b> |      | 0141 | 0.0    | 0   |           |      |      |        |     |
|           |      | 1007 | 6.2    | 189 |           |      | 0741 | 5.5    | 168 |           |      |      |        |     |
|           | F    | 1715 | 0.1    | 3   |           | W    | 1422 | 0.3    | 9   |           |      |      |        |     |
|           |      | 2238 | 5.1    | 155 |           |      | 2008 | 5.0    | 152 |           |      |      |        |     |
| <b>11</b> |      | 0519 | 0.0    | 0   | <b>23</b> |      | 0229 | 0.1    | 3   |           |      |      |        |     |
|           |      | 1103 | 6.3    | 192 |           |      | 0832 | 5.6    | 171 |           |      |      |        |     |
|           | Sa   | 1813 | 0.0    | 0   |           | Th   | 1518 | 0.3    | 9   |           |      |      |        |     |
|           |      | 2334 | 5.2    | 158 |           |      | 2103 | 4.9    | 149 |           |      |      |        |     |
| <b>12</b> |      | 0614 | 0.0    | 0   | <b>24</b> |      | 0321 | 0.1    | 3   |           |      |      |        |     |
|           |      | 1156 | 6.3    | 192 |           |      | 0924 | 5.7    | 174 |           |      |      |        |     |
|           | Su   | 1907 | 0.0    | 0   |           | F    | 1615 | 0.2    | 6   |           |      |      |        |     |
|           |      |      |        |     |           |      | 2156 | 4.9    | 149 |           |      |      |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

**EASTERN  
STANDARD TIME**

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**FEBRUARY 2025** **STATION ID 8545240**

| Times and Heights of High and Low Waters |         |        |     |           |         |        |     |           |         |        |     |
|------------------------------------------|---------|--------|-----|-----------|---------|--------|-----|-----------|---------|--------|-----|
| Time                                     |         | Height |     | Time      |         | Height |     | Time      |         | Height |     |
| Day                                      | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  |
| <b>1</b>                                 | 0317    | 5.7    | 174 | <b>13</b> | 0147    | 5.5    | 168 | <b>25</b> | 0531    | 0.1    | 3   |
|                                          | 1007    | -0.3   | -9  |           | 0825    | 0.1    | 3   |           | 1120    | 6.3    | 192 |
|                                          | Sa 1536 | 6.3    | 192 |           | Th 1404 | 6.1    | 186 |           | Tu 1821 | 0.2    | 6   |
|                                          | 2240    | -0.3   | -9  |           | 2101    | 0.0    | 0   |           | 2350    | 5.5    | 168 |
| <b>2</b>                                 | 0404    | 5.9    | 180 | <b>14</b> | 0231    | 5.6    | 171 | <b>26</b> | 0625    | 0.0    | 0   |
|                                          | 1059    | -0.2   | -6  |           | 0909    | 0.1    | 3   |           | 1209    | 6.4    | 195 |
|                                          | Su 1625 | 6.1    | 186 |           | F 1447  | 6.0    | 183 |           | W 1910  | 0.1    | 3   |
|                                          | 2326    | -0.3   | -9  |           | 2141    | 0.0    | 0   |           |         |        |     |
| <b>3</b>                                 | 0454    | 6.0    | 183 | <b>15</b> | 0313    | 5.7    | 174 | <b>27</b> | 0036    | 5.7    | 174 |
|                                          | 1154    | -0.1   | -3  |           | 0952    | 0.2    | 6   |           | 0718    | -0.2   | -6  |
|                                          | M 1719  | 5.8    | 177 |           | Sa 1529 | 5.9    | 180 |           | Th 1256 | 6.5    | 198 |
|                                          |         |        |     |           | 2218    | 0.1    | 3   |           | 1957    | 0.0    | 0   |
| <b>4</b>                                 | 0014    | -0.2   | -6  | <b>16</b> | 0355    | 5.7    | 174 | <b>28</b> | 0121    | 6.0    | 183 |
|                                          | 0548    | 6.0    | 183 |           | 1035    | 0.2    | 6   |           | 0809    | -0.3   | -9  |
|                                          | Tu 1252 | 0.0    | 0   |           | Su 1612 | 5.7    | 174 |           | F 1342  | 6.6    | 201 |
|                                          | 1817    | 5.5    | 168 |           | 2255    | 0.1    | 3   |           | ● 2042  | -0.1   | -3  |
| <b>5</b>                                 | 0106    | -0.1   | -3  | <b>17</b> | 0436    | 5.7    | 174 |           |         |        |     |
|                                          | 0646    | 6.0    | 183 |           | 1118    | 0.2    | 6   |           |         |        |     |
|                                          | W 1352  | 0.2    | 6   |           | M 1657  | 5.5    | 168 |           |         |        |     |
|                                          | ● 1918  | 5.2    | 158 |           | 2332    | 0.1    | 3   |           |         |        |     |
| <b>6</b>                                 | 0202    | 0.0    | 0   | <b>18</b> | 0518    | 5.8    | 177 |           |         |        |     |
|                                          | 0747    | 6.0    | 183 |           | 1203    | 0.3    | 9   |           |         |        |     |
|                                          | Th 1454 | 0.3    | 9   |           | Tu 1744 | 5.3    | 162 |           |         |        |     |
|                                          | 2021    | 5.0    | 152 |           |         |        |     |           |         |        |     |
| <b>7</b>                                 | 0301    | 0.1    | 3   | <b>19</b> | 0010    | 0.2    | 6   |           |         |        |     |
|                                          | 0849    | 6.0    | 183 |           | 0603    | 5.7    | 174 |           |         |        |     |
|                                          | F 1557  | 0.3    | 9   |           | W 1251  | 0.3    | 9   |           |         |        |     |
|                                          | 2123    | 5.0    | 152 |           | 1835    | 5.1    | 155 |           |         |        |     |
| <b>8</b>                                 | 0401    | 0.2    | 6   | <b>20</b> | 0052    | 0.2    | 6   |           |         |        |     |
|                                          | 0950    | 6.0    | 183 |           | 0651    | 5.7    | 174 |           |         |        |     |
|                                          | Sa 1657 | 0.2    | 6   |           | Th 1344 | 0.4    | 12  |           |         |        |     |
|                                          | 2223    | 5.1    | 155 |           | ● 1928  | 5.0    | 152 |           |         |        |     |
| <b>9</b>                                 | 0500    | 0.2    | 6   | <b>21</b> | 0141    | 0.3    | 9   |           |         |        |     |
|                                          | 1049    | 6.0    | 183 |           | 0743    | 5.7    | 174 |           |         |        |     |
|                                          | Su 1754 | 0.1    | 3   |           | F 1440  | 0.5    | 15  |           |         |        |     |
|                                          | 2319    | 5.2    | 158 |           | 2024    | 4.9    | 149 |           |         |        |     |
| <b>10</b>                                | 0557    | 0.1    | 3   | <b>22</b> | 0236    | 0.4    | 12  |           |         |        |     |
|                                          | 1144    | 6.1    | 186 |           | 0839    | 5.8    | 177 |           |         |        |     |
|                                          | M 1847  | 0.0    | 0   |           | Sa 1538 | 0.5    | 15  |           |         |        |     |
|                                          |         |        |     |           | 2119    | 4.9    | 149 |           |         |        |     |
| <b>11</b>                                | 0012    | 5.3    | 162 | <b>23</b> | 0335    | 0.3    | 9   |           |         |        |     |
|                                          | 0649    | 0.0    | 0   |           | 0935    | 5.9    | 180 |           |         |        |     |
|                                          | Tu 1234 | 6.1    | 186 |           | Su 1635 | 0.5    | 15  |           |         |        |     |
|                                          | 1935    | 0.0    | 0   |           | 2212    | 5.1    | 155 |           |         |        |     |
| <b>12</b>                                | 0101    | 5.4    | 165 | <b>24</b> | 0434    | 0.3    | 9   |           |         |        |     |
|                                          | 0738    | 0.0    | 0   |           | 1029    | 6.1    | 186 |           |         |        |     |
|                                          | W 1320  | 6.1    | 186 |           | M 1730  | 0.4    | 12  |           |         |        |     |
|                                          | ○ 2020  | 0.0    | 0   |           | 2302    | 5.2    | 158 |           |         |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.

**EASTERN  
 STANDARD TIME**

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**MARCH 2025** **STATION ID 8545240**

| Times and Heights of High and Low Waters |         |        |     |           |         |        |     |           |                              |        |     |
|------------------------------------------|---------|--------|-----|-----------|---------|--------|-----|-----------|------------------------------|--------|-----|
| Time                                     |         | Height |     | Time      |         | Height |     | Time      |                              | Height |     |
| Day                                      | h.m.    | ft.    | cm  | Day       | h.m.    | ft.    | cm  | Day       | h.m.                         | ft.    | cm  |
| <b>1</b>                                 | 0206    | 6.2    | 189 | <b>13</b> | 0140    | 5.9    | 180 | <b>25</b> | 0503                         | 0.5    | 15  |
|                                          | 0900    | -0.3   | -9  |           | 0817    | 0.2    | 6   |           | 1053                         | 6.3    | 192 |
|                                          | Sa 1429 | 6.5    | 198 |           | Th 1359 | 6.2    | 189 |           | Tu 1755                      | 0.6    | 18  |
|                                          | 2127    | -0.1   | -3  |           | 2049    | 0.2    | 6   |           | 2328                         | 5.7    | 174 |
| <b>2</b>                                 | 0252    | 6.4    | 195 | <b>14</b> | 0224    | 6.1    | 186 | <b>26</b> | 0604                         | 0.4    | 12  |
|                                          | 0952    | -0.2   | -6  |           | 0903    | 0.2    | 6   |           | 1148                         | 6.5    | 198 |
|                                          | Su 1518 | 6.3    | 192 |           | F 1441  | 6.2    | 189 |           | W 1848                       | 0.5    | 15  |
|                                          | 2213    | -0.1   | -3  |           | O 2129  | 0.2    | 6   |           |                              |        |     |
| <b>3</b>                                 | 0340    | 6.5    | 198 | <b>15</b> | 0304    | 6.2    | 189 | <b>27</b> | 0018                         | 6.1    | 186 |
|                                          | 1045    | -0.1   | -3  |           | 0946    | 0.3    | 9   |           | 0701                         | 0.2    | 6   |
|                                          | M 1608  | 6.0    | 183 |           | Sa 1522 | 6.0    | 183 |           | Th 1239                      | 6.6    | 201 |
|                                          | 2300    | 0.0    | 0   |           | 2206    | 0.3    | 9   |           | 1938                         | 0.3    | 9   |
| <b>4</b>                                 | 0431    | 6.5    | 198 | <b>16</b> | 0343    | 6.2    | 189 | <b>28</b> | 0106                         | 6.4    | 195 |
|                                          | 1139    | 0.0    | 0   |           | 1028    | 0.3    | 9   |           | 0757                         | 0.1    | 3   |
|                                          | Tu 1703 | 5.7    | 174 |           | Su 1603 | 5.9    | 180 |           | F 1329                       | 6.7    | 204 |
|                                          | 2350    | 0.1    | 3   |           | 2242    | 0.4    | 12  |           | 2026                         | 0.2    | 6   |
| <b>5</b>                                 | 0525    | 6.4    | 195 | <b>17</b> | 0421    | 6.2    | 189 | <b>29</b> | 0153                         | 6.7    | 204 |
|                                          | 1236    | 0.2    | 6   |           | 1109    | 0.4    | 12  |           | 0850                         | 0.0    | 0   |
|                                          | W 1801  | 5.5    | 168 |           | M 1644  | 5.7    | 174 |           | Sa 1418                      | 6.6    | 201 |
|                                          |         |        |     |           | 2317    | 0.5    | 15  |           | ● 2113                       | 0.2    | 6   |
| <b>6</b>                                 | 0043    | 0.2    | 6   | <b>18</b> | 0458    | 6.2    | 189 | <b>30</b> | 0240                         | 7.0    | 213 |
|                                          | 0624    | 6.3    | 192 |           | 1150    | 0.4    | 12  |           | 0943                         | -0.1   | -3  |
|                                          | Th 1335 | 0.3    | 9   |           | Tu 1726 | 5.6    | 171 |           | Su 1507                      | 6.5    | 198 |
|                                          | ● 1902  | 5.3    | 162 |           | 2351    | 0.5    | 15  |           | 2159                         | 0.2    | 6   |
| <b>7</b>                                 | 0141    | 0.4    | 12  | <b>19</b> | 0536    | 6.2    | 189 | <b>31</b> | 0327                         | 7.1    | 216 |
|                                          | 0726    | 6.1    | 186 |           | 1233    | 0.5    | 15  |           | 1036                         | 0.0    | 0   |
|                                          | F 1436  | 0.5    | 15  |           | W 1811  | 5.4    | 165 |           | M 1558                       | 6.3    | 192 |
|                                          | 2006    | 5.2    | 158 |           |         |        |     |           | 2247                         | 0.3    | 9   |
| <b>8</b>                                 | 0241    | 0.5    | 15  | <b>20</b> | 0028    | 0.5    | 15  |           | Time meridian 75° W.         |        |     |
|                                          | 0831    | 6.0    | 183 |           | 0616    | 6.2    | 189 |           | 0000 is midnight.            |        |     |
|                                          | Sa 1537 | 0.5    | 15  |           | Th 1319 | 0.5    | 15  |           | 1200 is noon.                |        |     |
|                                          | 2108    | 5.2    | 158 |           | 1858    | 5.3    | 162 |           | Heights are referred to mean |        |     |
| <b>9</b>                                 | 0442    | 0.5    | 15  | <b>21</b> | 0111    | 0.6    | 18  |           | lower low water which is the |        |     |
|                                          | 1034    | 6.0    | 183 |           | 0701    | 6.1    | 186 |           | chart datum of soundings.    |        |     |
|                                          | Su 1736 | 0.4    | 12  |           | F 1409  | 0.6    | 18  |           |                              |        |     |
|                                          | 2308    | 5.4    | 165 |           | 1950    | 5.2    | 158 |           |                              |        |     |
| <b>10</b>                                | 0541    | 0.4    | 12  | <b>22</b> | 0200    | 0.6    | 18  |           | <b>EASTERN</b>               |        |     |
|                                          | 1134    | 6.0    | 183 |           | 0755    | 6.0    | 183 |           | <b>STANDARD TIME/</b>        |        |     |
|                                          | M 1831  | 0.3    | 9   |           | Sa 1504 | 0.7    | 21  |           | <b>DAYLIGHT</b>              |        |     |
|                                          |         |        |     |           | ● 2045  | 5.2    | 158 |           | <b>SAVING TIME</b>           |        |     |
| <b>11</b>                                | 0003    | 5.6    | 171 | <b>23</b> | 0258    | 0.6    | 18  |           | <b>Times ARE adjusted</b>    |        |     |
|                                          | 0637    | 0.3    | 9   |           | 0854    | 6.0    | 183 |           | <b>for DST starting</b>      |        |     |
|                                          | Tu 1227 | 6.1    | 186 |           | Su 1602 | 0.7    | 21  |           | <b>March 9.</b>              |        |     |
|                                          | 1921    | 0.2    | 6   |           | 2141    | 5.3    | 162 |           |                              |        |     |
| <b>12</b>                                | 0054    | 5.8    | 177 | <b>24</b> | 0400    | 0.6    | 18  |           |                              |        |     |
|                                          | 0729    | 0.2    | 6   |           | 0955    | 6.1    | 186 |           |                              |        |     |
|                                          | W 1315  | 6.2    | 189 |           | M 1659  | 0.7    | 21  |           |                              |        |     |
|                                          | 2007    | 0.2    | 6   |           | 2236    | 5.4    | 165 |           |                              |        |     |

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**APRIL 2025** **STATION ID 8545240**

| Times and Heights of High and Low Waters |         |        |      |           |         |        |      |                                                                       |         |        |     |
|------------------------------------------|---------|--------|------|-----------|---------|--------|------|-----------------------------------------------------------------------|---------|--------|-----|
| Time                                     |         | Height |      | Time      |         | Height |      | Time                                                                  |         | Height |     |
| Day                                      | h.m.    | ft.    | cm   | Day       | h.m.    | ft.    | cm   | Day                                                                   | h.m.    | ft.    | cm  |
| <b>1</b>                                 | 0416    | 7.1    | 216  | <b>13</b> | 0236    | 6.7    | 204  | <b>25</b>                                                             | 0639    | 0.5    | 15  |
|                                          | 1129    | 0.1    | 3    |           | 0923    | 0.5    | 15   |                                                                       | 1210    | 6.6    | 201 |
|                                          | Tu 1651 | 6.0    | 183  |           | Su 1457 | 6.0    | 183  |                                                                       | F 1904  | 0.5    | 15  |
|                                          | 2336    | 0.4    | 12   |           | ○ 2131  | 0.6    | 18   |                                                                       |         |        |     |
| <b>2</b>                                 | 0508    | 7.0    | 213  | <b>14</b> | 0313    | 6.7    | 204  | <b>26</b>                                                             | 0037    | 7.0    | 213 |
|                                          | 1223    | 0.2    | 6    |           | 1005    | 0.5    | 15   |                                                                       | 0737    | 0.3    | 9   |
|                                          | W 1747  | 5.8    | 177  |           | M 1538  | 5.9    | 180  |                                                                       | Sa 1303 | 6.6    | 201 |
|                                          |         |        | 2207 |           | 0.8     | 24     | 1954 |                                                                       | 0.4     | 12     |     |
| <b>3</b>                                 | 0027    | 0.5    | 15   | <b>15</b> | 0348    | 6.7    | 204  | <b>27</b>                                                             | 0126    | 7.3    | 223 |
|                                          | 0603    | 6.8    | 207  |           | 1045    | 0.6    | 18   |                                                                       | 0832    | 0.2    | 6   |
|                                          | Th 1319 | 0.4    | 12   |           | Tu 1618 | 5.7    | 174  |                                                                       | Su 1354 | 6.5    | 198 |
|                                          | 1845    | 5.6    | 171  |           | 2243    | 0.8    | 24   |                                                                       | ● 2044  | 0.5    | 15  |
| <b>4</b>                                 | 0122    | 0.6    | 18   | <b>16</b> | 0423    | 6.6    | 201  | <b>28</b>                                                             | 0214    | 7.5    | 229 |
|                                          | 0703    | 6.5    | 198  |           | 1126    | 0.6    | 18   |                                                                       | 0926    | 0.2    | 6   |
|                                          | F 1416  | 0.6    | 18   |           | W 1659  | 5.6    | 171  |                                                                       | M 1446  | 6.3    | 192 |
|                                          | 1946    | 5.5    | 168  |           | 2318    | 0.8    | 24   |                                                                       | 2133    | 0.5    | 15  |
| <b>5</b>                                 | 0220    | 0.7    | 21   | <b>17</b> | 0458    | 6.6    | 201  | <b>29</b>                                                             | 0303    | 7.5    | 229 |
|                                          | 0806    | 6.3    | 192  |           | 1208    | 0.7    | 21   |                                                                       | 1020    | 0.2    | 6   |
|                                          | Sa 1514 | 0.6    | 18   |           | Th 1741 | 5.5    | 168  |                                                                       | Tu 1539 | 6.1    | 186 |
|                                          | ● 2048  | 5.5    | 168  |           | 2357    | 0.8    | 24   |                                                                       | 2223    | 0.6    | 18  |
| <b>6</b>                                 | 0320    | 0.8    | 24   | <b>18</b> | 0535    | 6.5    | 198  | <b>30</b>                                                             | 0354    | 7.4    | 226 |
|                                          | 0911    | 6.1    | 186  |           | 1252    | 0.7    | 21   |                                                                       | 1113    | 0.3    | 9   |
|                                          | Su 1612 | 0.7    | 21   |           | F 1826  | 5.5    | 168  |                                                                       | W 1633  | 6.0    | 183 |
|                                          | 2150    | 5.6    | 171  |           |         |        |      |                                                                       | 2314    | 0.7    | 21  |
| <b>7</b>                                 | 0420    | 0.8    | 24   | <b>19</b> | 0040    | 0.8    | 24   |                                                                       |         |        |     |
|                                          | 1013    | 6.1    | 186  |           | 0619    | 6.5    | 198  |                                                                       |         |        |     |
|                                          | M 1708  | 0.6    | 18   |           | Sa 1340 | 0.8    | 24   |                                                                       |         |        |     |
|                                          | 2248    | 5.8    | 177  |           | 1915    | 5.4    | 165  |                                                                       |         |        |     |
| <b>8</b>                                 | 0518    | 0.7    | 21   | <b>20</b> | 0131    | 0.8    | 24   |                                                                       |         |        |     |
|                                          | 1111    | 6.2    | 189  |           | 0713    | 6.4    | 195  |                                                                       |         |        |     |
|                                          | Tu 1800 | 0.5    | 15   |           | Su 1432 | 0.8    | 24   |                                                                       |         |        |     |
|                                          | 2341    | 6.0    | 183  |           | 2009    | 5.5    | 168  |                                                                       |         |        |     |
| <b>9</b>                                 | 0614    | 0.6    | 18   | <b>21</b> | 0229    | 0.8    | 24   | Time meridian 75° W.<br>0000 is midnight.<br>1200 is noon.            |         |        |     |
|                                          | 1203    | 6.2    | 189  |           | 0815    | 6.4    | 195  |                                                                       |         |        |     |
|                                          | W 1849  | 0.4    | 12   |           | M 1528  | 0.8    | 24   |                                                                       |         |        |     |
|                                          |         |        |      |           | ● 2105  | 5.7    | 174  |                                                                       |         |        |     |
| <b>10</b>                                | 0030    | 6.3    | 192  | <b>22</b> | 0332    | 0.8    | 24   |                                                                       |         |        |     |
|                                          | 0706    | 0.5    | 15   |           | 0918    | 6.4    | 195  |                                                                       |         |        |     |
|                                          | Th 1250 | 6.2    | 189  |           | Tu 1624 | 0.8    | 24   |                                                                       |         |        |     |
|                                          | 1933    | 0.4    | 12   |           | 2202    | 5.9    | 180  |                                                                       |         |        |     |
| <b>11</b>                                | 0115    | 6.5    | 198  | <b>23</b> | 0436    | 0.7    | 21   | <b>DAYLIGHT<br/>SAVING TIME</b><br><br>Times ARE adjusted<br>for DST. |         |        |     |
|                                          | 0754    | 0.4    | 12   |           | 1019    | 6.5    | 198  |                                                                       |         |        |     |
|                                          | F 1334  | 6.2    | 189  |           | W 1719  | 0.7    | 21   |                                                                       |         |        |     |
|                                          | 2015    | 0.4    | 12   |           | 2256    | 6.3    | 192  |                                                                       |         |        |     |
| <b>12</b>                                | 0157    | 6.6    | 201  | <b>24</b> | 0539    | 0.6    | 18   |                                                                       |         |        |     |
|                                          | 0839    | 0.4    | 12   |           | 1116    | 6.5    | 198  |                                                                       |         |        |     |
|                                          | Sa 1416 | 6.1    | 186  |           | Th 1813 | 0.6    | 18   |                                                                       |         |        |     |
|                                          | 2054    | 0.5    | 15   |           | 2348    | 6.7    | 204  |                                                                       |         |        |     |

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**MAY 2025** **STATION ID 8545240**

| Times and Heights of High and Low Waters |         |     |        |           |         |      |     |                              |                              |     |     |
|------------------------------------------|---------|-----|--------|-----------|---------|------|-----|------------------------------|------------------------------|-----|-----|
| Time                                     |         |     | Height |           |         | Time |     |                              | Height                       |     |     |
| Day                                      | h.m.    | ft. | cm     | Day       | h.m.    | ft.  | cm  | Day                          | h.m.                         | ft. | cm  |
| <b>1</b>                                 | 0447    | 7.2 | 219    | <b>13</b> | 0243    | 6.9  | 210 | <b>25</b>                    | 0010                         | 7.3 | 223 |
|                                          | 1206    | 0.4 | 12     |           | 0941    | 0.6  | 18  |                              | 0718                         | 0.5 | 15  |
|                                          | Th 1729 | 5.8 | 177    |           | Tu 1513 | 5.8  | 177 |                              | Su 1239                      | 6.3 | 192 |
|                                          |         |     |        |           | 2136    | 1.0  | 30  |                              | 1926                         | 0.6 | 18  |
| <b>2</b>                                 | 0007    | 0.8 | 24     | <b>14</b> | 0319    | 6.9  | 210 | <b>26</b>                    | 0101                         | 7.5 | 229 |
|                                          | 0544    | 6.9 | 210    |           | 1023    | 0.7  | 21  |                              | 0815                         | 0.4 | 12  |
|                                          | F 1259  | 0.6 | 18     |           | W 1554  | 5.7  | 174 |                              | M 1333                       | 6.2 | 189 |
|                                          | 1828    | 5.7 | 174    |           | 2214    | 1.0  | 30  |                              | 2018                         | 0.6 | 18  |
| <b>3</b>                                 | 0101    | 0.9 | 27     | <b>15</b> | 0354    | 6.8  | 207 | <b>27</b>                    | 0152                         | 7.6 | 232 |
|                                          | 0643    | 6.6 | 201    |           | 1104    | 0.7  | 21  |                              | 0909                         | 0.4 | 12  |
|                                          | Sa 1353 | 0.6 | 18     |           | Th 1634 | 5.6  | 171 |                              | Tu 1426                      | 6.1 | 186 |
|                                          | 1927    | 5.7 | 174    |           | 2253    | 1.0  | 30  |                              | ● 2110                       | 0.7 | 21  |
| <b>4</b>                                 | 0157    | 1.0 | 30     | <b>16</b> | 0429    | 6.8  | 207 | <b>28</b>                    | 0243                         | 7.5 | 229 |
|                                          | 0744    | 6.4 | 195    |           | 1146    | 0.8  | 24  |                              | 1002                         | 0.4 | 12  |
|                                          | Su 1447 | 0.7 | 21     |           | F 1715  | 5.6  | 171 |                              | W 1520                       | 6.0 | 183 |
|                                          | ● 2027  | 5.8 | 177    |           | 2334    | 0.9  | 27  |                              | 2202                         | 0.8 | 24  |
| <b>5</b>                                 | 0255    | 1.0 | 30     | <b>17</b> | 0507    | 6.7  | 204 | <b>29</b>                    | 0335                         | 7.3 | 223 |
|                                          | 0845    | 6.2 | 189    |           | 1230    | 0.8  | 24  |                              | 1054                         | 0.5 | 15  |
|                                          | M 1541  | 0.7 | 21     |           | Sa 1758 | 5.6  | 171 |                              | Th 1615                      | 5.9 | 180 |
|                                          | 2125    | 5.9 | 180    |           |         |      |     |                              | 2253                         | 0.9 | 27  |
| <b>6</b>                                 | 0353    | 1.0 | 30     | <b>18</b> | 0019    | 0.9  | 27  | <b>30</b>                    | 0428                         | 7.1 | 216 |
|                                          | 0944    | 6.2 | 189    |           | 0551    | 6.7  | 204 |                              | 1146                         | 0.5 | 15  |
|                                          | Tu 1633 | 0.6 | 18     |           | Su 1315 | 0.7  | 21  |                              | F 1710                       | 5.8 | 177 |
|                                          | 2221    | 6.1 | 186    |           | 1845    | 5.7  | 174 |                              | 2346                         | 0.9 | 27  |
| <b>7</b>                                 | 0451    | 0.9 | 27     | <b>19</b> | 0110    | 0.9  | 27  | <b>31</b>                    | 0524                         | 6.9 | 210 |
|                                          | 1040    | 6.2 | 189    |           | 0644    | 6.6  | 201 |                              | 1236                         | 0.6 | 18  |
|                                          | W 1724  | 0.5 | 15     |           | M 1404  | 0.7  | 21  |                              | Sa 1806                      | 5.8 | 177 |
|                                          | 2313    | 6.4 | 195    |           | 1938    | 5.8  | 177 |                              |                              |     |     |
| <b>8</b>                                 | 0546    | 0.8 | 24     | <b>20</b> | 0207    | 0.9  | 27  |                              | Time meridian 75° W.         |     |     |
|                                          | 1131    | 6.2 | 189    |           | 0744    | 6.6  | 201 |                              | 0000 is midnight.            |     |     |
|                                          | Th 1811 | 0.5 | 15     |           | Tu 1456 | 0.7  | 21  |                              | 1200 is noon.                |     |     |
|                                          |         |     |        |           | ● 2033  | 6.0  | 183 |                              | Heights are referred to mean |     |     |
| <b>9</b>                                 | 0001    | 6.6 | 201    | <b>21</b> | 0309    | 0.9  | 27  | lower low water which is the |                              |     |     |
|                                          | 0638    | 0.7 | 21     |           | 0846    | 6.5  | 198 | chart datum of soundings.    |                              |     |     |
|                                          | F 1219  | 6.1 | 186    |           | W 1549  | 0.6  | 18  |                              |                              |     |     |
|                                          | 1856    | 0.5 | 15     |           | 2130    | 6.3  | 192 |                              |                              |     |     |
| <b>10</b>                                | 0045    | 6.8 | 207    | <b>22</b> | 0414    | 0.9  | 27  |                              | <b>DAYLIGHT</b>              |     |     |
|                                          | 0728    | 0.6 | 18     |           | 0948    | 6.4  | 195 |                              | <b>SAVING TIME</b>           |     |     |
|                                          | Sa 1305 | 6.1 | 186    |           | Th 1644 | 0.6  | 18  |                              | Times ARE adjusted           |     |     |
|                                          | 1938    | 0.6 | 18     |           | 2225    | 6.7  | 204 |                              | for DST.                     |     |     |
| <b>11</b>                                | 0126    | 6.9 | 210    | <b>23</b> | 0517    | 0.8  | 24  |                              |                              |     |     |
|                                          | 0814    | 0.6 | 18     |           | 1047    | 6.4  | 195 |                              |                              |     |     |
|                                          | Su 1349 | 6.0 | 183    |           | F 1739  | 0.6  | 18  |                              |                              |     |     |
|                                          | 2019    | 0.7 | 21     |           | 2319    | 7.0  | 213 |                              |                              |     |     |
| <b>12</b>                                | 0206    | 7.0 | 213    | <b>24</b> | 0619    | 0.6  | 18  |                              |                              |     |     |
|                                          | 0858    | 0.6 | 18     |           | 1144    | 6.3  | 192 |                              |                              |     |     |
|                                          | M 1432  | 5.9 | 180    |           | Sa 1832 | 0.6  | 18  |                              |                              |     |     |
|                                          | ○ 2058  | 0.9 | 27     |           |         |      |     |                              |                              |     |     |

**PHILADELPHIA, PA · US COAST GUARD STATION**  
**JUNE 2025** **STATION ID 8545240**

| Times and Heights of High and Low Waters |      |        |     |                     |      |        |     |                     |      |        |     |
|------------------------------------------|------|--------|-----|---------------------|------|--------|-----|---------------------|------|--------|-----|
| Day                                      | Time | Height |     | Day                 | Time | Height |     | Day                 | Time | Height |     |
|                                          | h.m. | ft.    | cm  |                     | h.m. | ft.    | cm  |                     | h.m. | ft.    | cm  |
| <b>1</b><br>Su                           | 0038 | 1.0    | 30  | <b>13</b><br>F      | 0330 | 6.9    | 210 | <b>25</b><br>W<br>● | 0134 | 7.4    | 226 |
|                                          | 0620 | 6.6    | 201 |                     | 1042 | 0.7    | 21  |                     | 0852 | 0.5    | 15  |
|                                          | 1326 | 0.6    | 18  |                     | 1609 | 5.6    | 171 |                     | 1409 | 5.9    | 180 |
|                                          | 1903 | 5.8    | 177 |                     | 2233 | 0.9    | 27  |                     | 2050 | 0.8    | 24  |
| <b>2</b><br>M                            | 0132 | 1.0    | 30  | <b>14</b><br>Sa     | 0408 | 6.9    | 210 | <b>26</b><br>Th     | 0226 | 7.3    | 223 |
|                                          | 0717 | 6.4    | 195 |                     | 1124 | 0.7    | 21  |                     | 0944 | 0.5    | 15  |
|                                          | 1416 | 0.6    | 18  |                     | 1649 | 5.6    | 171 |                     | 1502 | 5.9    | 180 |
|                                          | 1959 | 5.9    | 180 |                     | 2317 | 0.9    | 27  |                     | 2142 | 0.8    | 24  |
| <b>3</b><br>Tu<br>●                      | 0227 | 1.0    | 30  | <b>15</b><br>Su     | 0448 | 6.8    | 207 | <b>27</b><br>F      | 0318 | 7.2    | 219 |
|                                          | 0813 | 6.2    | 189 |                     | 1207 | 0.6    | 18  |                     | 1034 | 0.5    | 15  |
|                                          | 1505 | 0.6    | 18  |                     | 1732 | 5.7    | 174 |                     | 1555 | 5.8    | 177 |
|                                          | 2054 | 6.1    | 186 |                     |      |        |     |                     | 2233 | 0.9    | 27  |
| <b>4</b><br>W                            | 0323 | 1.0    | 30  | <b>16</b><br>M      | 0004 | 0.8    | 24  | <b>28</b><br>Sa     | 0409 | 7.0    | 213 |
|                                          | 0909 | 6.1    | 186 |                     | 0532 | 6.8    | 207 |                     | 1122 | 0.5    | 15  |
|                                          | 1554 | 0.6    | 18  |                     | 1251 | 0.6    | 18  |                     | 1648 | 5.9    | 180 |
|                                          | 2147 | 6.3    | 192 |                     | 1819 | 5.9    | 180 |                     | 2323 | 0.9    | 27  |
| <b>5</b><br>Th                           | 0419 | 1.0    | 30  | <b>17</b><br>Tu     | 0055 | 0.8    | 24  | <b>29</b><br>Su     | 0501 | 6.8    | 207 |
|                                          | 1004 | 6.0    | 183 |                     | 0623 | 6.7    | 204 |                     | 1208 | 0.5    | 15  |
|                                          | 1642 | 0.6    | 18  |                     | 1337 | 0.5    | 15  |                     | 1740 | 5.9    | 180 |
|                                          | 2238 | 6.5    | 198 |                     | 1910 | 6.1    | 186 |                     |      |        |     |
| <b>6</b><br>F                            | 0514 | 0.9    | 27  | <b>18</b><br>W<br>● | 0151 | 0.9    | 27  | <b>30</b><br>M      | 0013 | 1.0    | 30  |
|                                          | 1057 | 5.9    | 180 |                     | 0720 | 6.5    | 198 |                     | 0553 | 6.6    | 201 |
|                                          | 1729 | 0.6    | 18  |                     | 1426 | 0.5    | 15  |                     | 1254 | 0.5    | 15  |
|                                          | 2326 | 6.8    | 207 |                     | 2004 | 6.3    | 192 |                     | 1832 | 6.0    | 183 |
| <b>7</b><br>Sa                           | 0608 | 0.8    | 24  | <b>19</b><br>Th     | 0252 | 0.9    | 27  |                     |      |        |     |
|                                          | 1147 | 5.9    | 180 |                     | 0820 | 6.4    | 195 |                     |      |        |     |
|                                          | 1815 | 0.6    | 18  |                     | 1518 | 0.5    | 15  |                     |      |        |     |
|                                          |      |        |     |                     | 2101 | 6.6    | 201 |                     |      |        |     |
| <b>8</b><br>Su                           | 0011 | 6.9    | 210 | <b>20</b><br>F      | 0355 | 0.9    | 27  |                     |      |        |     |
|                                          | 0659 | 0.7    | 21  |                     | 0922 | 6.2    | 189 |                     |      |        |     |
|                                          | 1235 | 5.8    | 177 |                     | 1613 | 0.5    | 15  |                     |      |        |     |
|                                          | 1900 | 0.7    | 21  |                     | 2158 | 6.9    | 210 |                     |      |        |     |
| <b>9</b><br>M                            | 0054 | 7.0    | 213 | <b>21</b><br>Sa     | 0459 | 0.9    | 27  |                     |      |        |     |
|                                          | 0747 | 0.6    | 18  |                     | 1023 | 6.1    | 186 |                     |      |        |     |
|                                          | 1321 | 5.8    | 177 |                     | 1709 | 0.6    | 18  |                     |      |        |     |
|                                          | 1944 | 0.8    | 24  |                     | 2253 | 7.1    | 216 |                     |      |        |     |
| <b>10</b><br>Tu                          | 0135 | 7.0    | 213 | <b>22</b><br>Su     | 0601 | 0.8    | 24  |                     |      |        |     |
|                                          | 0833 | 0.6    | 18  |                     | 1122 | 6.0    | 183 |                     |      |        |     |
|                                          | 1405 | 5.7    | 174 |                     | 1806 | 0.6    | 18  |                     |      |        |     |
|                                          | 2027 | 0.9    | 27  |                     | 2348 | 7.3    | 223 |                     |      |        |     |
| <b>11</b><br>W<br>○                      | 0215 | 6.9    | 210 | <b>23</b><br>M      | 0701 | 0.7    | 21  |                     |      |        |     |
|                                          | 0917 | 0.6    | 18  |                     | 1219 | 5.9    | 180 |                     |      |        |     |
|                                          | 1447 | 5.6    | 171 |                     | 1902 | 0.7    | 21  |                     |      |        |     |
|                                          | 2109 | 0.9    | 27  |                     |      |        |     |                     |      |        |     |
| <b>12</b><br>Th                          | 0253 | 6.9    | 210 | <b>24</b><br>Tu     | 0041 | 7.4    | 226 |                     |      |        |     |
|                                          | 1000 | 0.7    | 21  |                     | 0758 | 0.6    | 18  |                     |      |        |     |
|                                          | 1528 | 5.6    | 171 |                     | 1314 | 5.9    | 180 |                     |      |        |     |
|                                          | 2150 | 0.9    | 27  |                     | 1957 | 0.7    | 21  |                     |      |        |     |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**DAYLIGHT  
SAVING TIME**

**Times ARE adjusted  
for DST.**

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**JULY 2025** **STATION ID 8545240**

**Times and Heights of High and Low Waters**

| Time                 |      | Height |     | Time                 |      | Height |     | Time            |      | Height |     |
|----------------------|------|--------|-----|----------------------|------|--------|-----|-----------------|------|--------|-----|
| Day                  | h.m. | ft.    | cm  | Day                  | h.m. | ft.    | cm  | Day             | h.m. | ft.    | cm  |
| <b>1</b><br>Tu       | 0104 | 1.0    | 30  | <b>13</b><br>Su      | 0348 | 6.9    | 210 | <b>25</b><br>F  | 0211 | 7.1    | 216 |
|                      | 0645 | 6.4    | 195 |                      | 1100 | 0.6    | 18  |                 | 0923 | 0.6    | 18  |
|                      | 1339 | 0.5    | 15  |                      | 1623 | 5.9    | 180 |                 | 1444 | 6.0    | 183 |
|                      | 1924 | 6.1    | 186 |                      | 2300 | 0.7    | 21  |                 | 2123 | 0.8    | 24  |
| <b>2</b><br>W<br>●   | 0156 | 1.1    | 34  | <b>14</b><br>M       | 0430 | 6.9    | 210 | <b>26</b><br>Sa | 0300 | 7.0    | 213 |
|                      | 0738 | 6.1    | 186 |                      | 1142 | 0.5    | 15  |                 | 1009 | 0.6    | 18  |
|                      | 1424 | 0.5    | 15  |                      | 1707 | 6.1    | 186 |                 | 1534 | 6.0    | 183 |
|                      | 2016 | 6.2    | 189 |                      | 2349 | 0.7    | 21  |                 | 2212 | 0.9    | 27  |
| <b>3</b><br>Th       | 0249 | 1.1    | 34  | <b>15</b><br>Tu      | 0515 | 6.8    | 207 | <b>27</b><br>Su | 0348 | 6.9    | 210 |
|                      | 0832 | 5.9    | 180 |                      | 1225 | 0.4    | 12  |                 | 1054 | 0.6    | 18  |
|                      | 1510 | 0.6    | 18  |                      | 1753 | 6.3    | 192 |                 | 1622 | 6.1    | 186 |
|                      | 2108 | 6.4    | 195 |                      |      |        |     |                 | 2300 | 0.9    | 27  |
| <b>4</b><br>F        | 0344 | 1.0    | 30  | <b>16</b><br>W       | 0041 | 0.8    | 24  | <b>28</b><br>M  | 0436 | 6.7    | 204 |
|                      | 0927 | 5.8    | 177 |                      | 0604 | 6.6    | 201 |                 | 1136 | 0.6    | 18  |
|                      | 1557 | 0.6    | 18  |                      | 1310 | 0.4    | 12  |                 | 1710 | 6.1    | 186 |
|                      | 2158 | 6.5    | 198 |                      | 1843 | 6.5    | 198 |                 | 2347 | 1.0    | 30  |
| <b>5</b><br>Sa       | 0440 | 0.9    | 27  | <b>17</b><br>Th      | 0137 | 0.8    | 24  | <b>29</b><br>Tu | 0523 | 6.5    | 198 |
|                      | 1021 | 5.7    | 174 |                      | 0700 | 6.4    | 195 |                 | 1218 | 0.6    | 18  |
|                      | 1645 | 0.7    | 21  |                      | 1359 | 0.4    | 12  |                 | 1757 | 6.2    | 189 |
|                      | 2248 | 6.7    | 204 |                      | 1938 | 6.6    | 201 |                 |      |        |     |
| <b>6</b><br>Su       | 0534 | 0.9    | 27  | <b>18</b><br>F<br>●  | 0237 | 0.9    | 27  | <b>30</b><br>W  | 0034 | 1.0    | 30  |
|                      | 1113 | 5.6    | 171 |                      | 0759 | 6.1    | 186 |                 | 0611 | 6.3    | 192 |
|                      | 1734 | 0.7    | 21  |                      | 1451 | 0.5    | 15  |                 | 1259 | 0.6    | 18  |
|                      | 2336 | 6.8    | 207 |                      | 2035 | 6.8    | 207 |                 | 1845 | 6.3    | 192 |
| <b>7</b><br>M        | 0627 | 0.8    | 24  | <b>19</b><br>Sa      | 0339 | 0.9    | 27  | <b>31</b><br>Th | 0123 | 1.1    | 34  |
|                      | 1204 | 5.6    | 171 |                      | 0902 | 5.9    | 180 |                 | 0702 | 6.0    | 183 |
|                      | 1823 | 0.8    | 24  |                      | 1547 | 0.6    | 18  |                 | 1340 | 0.7    | 21  |
|                      |      |        |     |                      | 2134 | 6.9    | 210 |                 | 1934 | 6.3    | 192 |
| <b>8</b><br>Tu       | 0022 | 6.9    | 210 | <b>20</b><br>Su      | 0442 | 0.9    | 27  |                 |      |        |     |
|                      | 0717 | 0.7    | 21  |                      | 1004 | 5.8    | 177 |                 |      |        |     |
|                      | 1251 | 5.6    | 171 |                      | 1646 | 0.7    | 21  |                 |      |        |     |
|                      | 1911 | 0.8    | 24  |                      | 2233 | 7.0    | 213 |                 |      |        |     |
| <b>9</b><br>W        | 0106 | 6.9    | 210 | <b>21</b><br>M       | 0545 | 0.9    | 27  |                 |      |        |     |
|                      | 0805 | 0.7    | 21  |                      | 1105 | 5.8    | 177 |                 |      |        |     |
|                      | 1337 | 5.6    | 171 |                      | 1745 | 0.7    | 21  |                 |      |        |     |
|                      | 1958 | 0.8    | 24  |                      | 2331 | 7.1    | 216 |                 |      |        |     |
| <b>10</b><br>Th<br>○ | 0148 | 6.9    | 210 | <b>22</b><br>Tu      | 0644 | 0.8    | 24  |                 |      |        |     |
|                      | 0850 | 0.7    | 21  |                      | 1203 | 5.8    | 177 |                 |      |        |     |
|                      | 1420 | 5.6    | 171 |                      | 1843 | 0.8    | 24  |                 |      |        |     |
|                      | 2043 | 0.8    | 24  |                      |      |        |     |                 |      |        |     |
| <b>11</b><br>F       | 0228 | 6.9    | 210 | <b>23</b><br>W       | 0026 | 7.2    | 219 |                 |      |        |     |
|                      | 0934 | 0.7    | 21  |                      | 0740 | 0.7    | 21  |                 |      |        |     |
|                      | 1501 | 5.7    | 174 |                      | 1259 | 5.8    | 177 |                 |      |        |     |
|                      | 2128 | 0.8    | 24  |                      | 1939 | 0.8    | 24  |                 |      |        |     |
| <b>12</b><br>Sa      | 0308 | 7.0    | 213 | <b>24</b><br>Th<br>● | 0120 | 7.2    | 219 |                 |      |        |     |
|                      | 1017 | 0.6    | 18  |                      | 0833 | 0.6    | 18  |                 |      |        |     |
|                      | 1542 | 5.8    | 177 |                      | 1352 | 5.9    | 180 |                 |      |        |     |
|                      | 2214 | 0.7    | 21  |                      | 2032 | 0.8    | 24  |                 |      |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.  
 Heights are referred to mean  
 lower low water which is the  
 chart datum of soundings.

**DAYLIGHT  
 SAVING TIME**

**Times ARE adjusted  
 for DST.**



**PHILADELPHIA, PA • US COAST GUARD STATION**  
**AUGUST 2025** **STATION ID 8545240**

**Times and Heights of High and Low Waters**

| Day       | Time    |  | Height |     | Day       | Time    |  | Height |     | Day       | Time    |  | Height |     |
|-----------|---------|--|--------|-----|-----------|---------|--|--------|-----|-----------|---------|--|--------|-----|
|           | h.m.    |  | ft.    | cm  |           | h.m.    |  | ft.    | cm  |           | h.m.    |  | ft.    | cm  |
| <b>1</b>  | 0214    |  | 1.1    | 34  | <b>13</b> | 0456    |  | 6.8    | 207 | <b>25</b> | 0325    |  | 6.8    | 207 |
|           | 0755    |  | 5.8    | 177 |           | 1158    |  | 0.4    | 12  |           | 1022    |  | 0.7    | 21  |
|           | F 1424  |  | 0.7    | 21  |           | W 1727  |  | 6.8    | 207 |           | M 1554  |  | 6.4    | 195 |
|           | ☉ 2024  |  | 6.4    | 195 |           |         |  |        |     |           | 2236    |  | 1.0    | 30  |
| <b>2</b>  | 0308    |  | 1.1    | 34  | <b>14</b> | 0027    |  | 0.7    | 21  | <b>26</b> | 0408    |  | 6.6    | 201 |
|           | 0849    |  | 5.6    | 171 |           | 0547    |  | 6.5    | 198 |           | 1101    |  | 0.7    | 21  |
|           | Sa 1511 |  | 0.8    | 24  |           | Th 1244 |  | 0.4    | 12  |           | Tu 1637 |  | 6.4    | 195 |
|           | 2116    |  | 6.5    | 198 |           | 1818    |  | 6.9    | 210 |           | 2320    |  | 1.0    | 30  |
| <b>3</b>  | 0403    |  | 1.1    | 34  | <b>15</b> | 0123    |  | 0.8    | 24  | <b>27</b> | 0453    |  | 6.4    | 195 |
|           | 0945    |  | 5.5    | 168 |           | 0643    |  | 6.2    | 189 |           | 1139    |  | 0.8    | 24  |
|           | Su 1601 |  | 0.8    | 24  |           | F 1334  |  | 0.5    | 15  |           | W 1720  |  | 6.5    | 198 |
|           | 2208    |  | 6.6    | 201 |           | 1913    |  | 6.9    | 210 |           |         |  |        |     |
| <b>4</b>  | 0458    |  | 1.0    | 30  | <b>16</b> | 0222    |  | 1.0    | 30  | <b>28</b> | 0005    |  | 1.1    | 34  |
|           | 1039    |  | 5.5    | 168 |           | 0743    |  | 6.0    | 183 |           | 0539    |  | 6.2    | 189 |
|           | M 1654  |  | 0.9    | 27  |           | Sa 1428 |  | 0.6    | 18  |           | Th 1217 |  | 0.8    | 24  |
|           | 2259    |  | 6.7    | 204 |           | ☉ 2013  |  | 6.9    | 210 |           | 1804    |  | 6.5    | 198 |
| <b>5</b>  | 0553    |  | 0.9    | 27  | <b>17</b> | 0324    |  | 1.0    | 30  | <b>29</b> | 0051    |  | 1.1    | 34  |
|           | 1131    |  | 5.6    | 171 |           | 0846    |  | 5.8    | 177 |           | 0627    |  | 5.9    | 180 |
|           | Tu 1747 |  | 0.9    | 27  |           | Su 1527 |  | 0.8    | 24  |           | F 1256  |  | 0.9    | 27  |
|           | 2348    |  | 6.8    | 207 |           | 2115    |  | 6.8    | 207 |           | 1849    |  | 6.5    | 198 |
| <b>6</b>  | 0645    |  | 0.9    | 27  | <b>18</b> | 0426    |  | 1.0    | 30  | <b>30</b> | 0139    |  | 1.1    | 34  |
|           | 1220    |  | 5.7    | 174 |           | 0950    |  | 5.7    | 174 |           | 0718    |  | 5.7    | 174 |
|           | W 1839  |  | 0.8    | 24  |           | M 1628  |  | 0.8    | 24  |           | Sa 1339 |  | 0.9    | 27  |
|           |         |  |        |     |           | 2218    |  | 6.9    | 210 |           | 1938    |  | 6.5    | 198 |
| <b>7</b>  | 0035    |  | 6.9    | 210 | <b>19</b> | 0528    |  | 1.0    | 30  | <b>31</b> | 0231    |  | 1.2    | 37  |
|           | 0734    |  | 0.8    | 24  |           | 1052    |  | 5.7    | 174 |           | 0812    |  | 5.6    | 171 |
|           | Th 1306 |  | 5.8    | 177 |           | Tu 1729 |  | 0.9    | 27  |           | Su 1426 |  | 1.0    | 30  |
|           | 1929    |  | 0.7    | 21  |           | 2318    |  | 6.9    | 210 |           | ☉ 2031  |  | 6.4    | 195 |
| <b>8</b>  | 0120    |  | 7.0    | 213 | <b>20</b> | 0626    |  | 0.9    | 27  |           |         |  |        |     |
|           | 0821    |  | 0.7    | 21  |           | 1150    |  | 5.9    | 180 |           |         |  |        |     |
|           | F 1350  |  | 5.9    | 180 |           | W 1827  |  | 0.8    | 24  |           |         |  |        |     |
|           | 2018    |  | 0.7    | 21  |           |         |  |        |     |           |         |  |        |     |
| <b>9</b>  | 0203    |  | 7.1    | 216 | <b>21</b> | 0014    |  | 7.0    | 213 |           |         |  |        |     |
|           | 0906    |  | 0.7    | 21  |           | 0720    |  | 0.7    | 21  |           |         |  |        |     |
|           | Sa 1432 |  | 6.0    | 183 |           | Th 1245 |  | 6.0    | 183 |           |         |  |        |     |
|           | ☉ 2106  |  | 0.6    | 18  |           | 1922    |  | 0.8    | 24  |           |         |  |        |     |
| <b>10</b> | 0245    |  | 7.1    | 216 | <b>22</b> | 0106    |  | 7.0    | 213 |           |         |  |        |     |
|           | 0949    |  | 0.6    | 18  |           | 0811    |  | 0.6    | 18  |           |         |  |        |     |
|           | Su 1514 |  | 6.2    | 189 |           | F 1336  |  | 6.1    | 186 |           |         |  |        |     |
|           | 2154    |  | 0.6    | 18  |           | 2014    |  | 0.8    | 24  |           |         |  |        |     |
| <b>11</b> | 0326    |  | 7.1    | 216 | <b>23</b> | 0155    |  | 7.0    | 213 |           |         |  |        |     |
|           | 1032    |  | 0.5    | 15  |           | 0857    |  | 0.6    | 18  |           |         |  |        |     |
|           | M 1556  |  | 6.4    | 195 |           | Sa 1424 |  | 6.3    | 192 |           |         |  |        |     |
|           | 2243    |  | 0.6    | 18  |           | ☉ 2103  |  | 0.8    | 24  |           |         |  |        |     |
| <b>12</b> | 0410    |  | 6.9    | 210 | <b>24</b> | 0240    |  | 6.9    | 210 |           |         |  |        |     |
|           | 1114    |  | 0.4    | 12  |           | 0941    |  | 0.6    | 18  |           |         |  |        |     |
|           | Tu 1640 |  | 6.6    | 201 |           | Su 1510 |  | 6.3    | 192 |           |         |  |        |     |
|           | 2334    |  | 0.7    | 21  |           | 2150    |  | 0.9    | 27  |           |         |  |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.

**DAYLIGHT  
 SAVING TIME**

**Times ARE adjusted  
 for DST.**

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**SEPTEMBER 2025** **STATION ID 8545240**

**Times and Heights of High and Low Waters**

|           | Time |      | Height |     |           | Time |      | Height |     |           | Time |      | Height |     |
|-----------|------|------|--------|-----|-----------|------|------|--------|-----|-----------|------|------|--------|-----|
|           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |
| <b>1</b>  |      | 0325 | 1.2    | 37  | <b>13</b> |      | 0108 | 0.9    | 27  | <b>25</b> |      | 0425 | 6.2    | 189 |
|           |      | 0908 | 5.5    | 168 |           |      | 0628 | 6.0    | 183 |           |      | 1101 | 0.9    | 27  |
|           | M    | 1519 | 1.0    | 30  |           | Sa   | 1313 | 0.7    | 21  |           | Th   | 1643 | 6.7    | 204 |
|           |      | 2126 | 6.5    | 198 |           |      | 1852 | 7.0    | 213 |           |      | 2337 | 1.1    | 34  |
| <b>2</b>  |      | 0421 | 1.2    | 37  | <b>14</b> |      | 0207 | 1.0    | 30  | <b>26</b> |      | 0509 | 6.0    | 183 |
|           |      | 1003 | 5.5    | 168 |           |      | 0729 | 5.8    | 177 |           |      | 1138 | 1.0    | 30  |
|           | Tu   | 1615 | 1.0    | 30  |           | Su   | 1410 | 0.8    | 24  |           | F    | 1723 | 6.6    | 201 |
|           |      | 2221 | 6.6    | 201 |           | ☉    | 1954 | 6.8    | 207 |           |      |      |        |     |
| <b>3</b>  |      | 0517 | 1.1    | 34  | <b>15</b> |      | 0307 | 1.1    | 34  | <b>27</b> |      | 0021 | 1.1    | 34  |
|           |      | 1056 | 5.6    | 171 |           |      | 0833 | 5.7    | 174 |           |      | 0555 | 5.8    | 177 |
|           | W    | 1713 | 0.9    | 27  |           | M    | 1510 | 0.9    | 27  |           | Sa   | 1215 | 1.0    | 30  |
|           |      | 2313 | 6.8    | 207 |           |      | 2100 | 6.7    | 204 |           |      | 1805 | 6.5    | 198 |
| <b>4</b>  |      | 0610 | 1.0    | 30  | <b>16</b> |      | 0408 | 1.1    | 34  | <b>28</b> |      | 0107 | 1.1    | 34  |
|           |      | 1146 | 5.8    | 177 |           |      | 0937 | 5.7    | 174 |           |      | 0643 | 5.6    | 171 |
|           | Th   | 1808 | 0.8    | 24  |           | Tu   | 1611 | 1.0    | 30  |           | Su   | 1257 | 1.0    | 30  |
|           |      |      |        |     |           |      | 2204 | 6.7    | 204 |           |      | 1853 | 6.5    | 198 |
| <b>5</b>  |      | 0003 | 6.9    | 210 | <b>17</b> |      | 0508 | 1.0    | 30  | <b>29</b> |      | 0156 | 1.2    | 37  |
|           |      | 0700 | 0.9    | 27  |           |      | 1038 | 5.8    | 177 |           |      | 0735 | 5.5    | 168 |
|           | F    | 1233 | 6.0    | 183 |           | W    | 1712 | 0.9    | 27  |           | M    | 1346 | 1.0    | 30  |
|           |      | 1902 | 0.7    | 21  |           |      | 2305 | 6.7    | 204 |           | ☉    | 1946 | 6.4    | 195 |
| <b>6</b>  |      | 0050 | 7.1    | 216 | <b>18</b> |      | 0604 | 0.8    | 24  | <b>30</b> |      | 0249 | 1.2    | 37  |
|           |      | 0748 | 0.7    | 21  |           |      | 1136 | 6.1    | 186 |           |      | 0830 | 5.5    | 168 |
|           | Sa   | 1318 | 6.3    | 192 |           | Th   | 1810 | 0.8    | 24  |           | Tu   | 1441 | 1.0    | 30  |
|           |      | 1954 | 0.6    | 18  |           |      |      |        |     |           |      | 2043 | 6.4    | 195 |
| <b>7</b>  |      | 0135 | 7.1    | 216 | <b>19</b> |      | 0000 | 6.8    | 207 |           |      |      |        |     |
|           |      | 0834 | 0.6    | 18  |           |      | 0656 | 0.7    | 21  |           |      |      |        |     |
|           | Su   | 1401 | 6.5    | 198 |           | F    | 1228 | 6.3    | 192 |           |      |      |        |     |
|           | ☾    | 2045 | 0.5    | 15  |           |      | 1904 | 0.8    | 24  |           |      |      |        |     |
| <b>8</b>  |      | 0219 | 7.1    | 216 | <b>20</b> |      | 0049 | 6.9    | 210 |           |      |      |        |     |
|           |      | 0918 | 0.5    | 15  |           |      | 0744 | 0.6    | 18  |           |      |      |        |     |
|           | M    | 1444 | 6.8    | 207 |           | Sa   | 1317 | 6.5    | 198 |           |      |      |        |     |
|           |      | 2135 | 0.5    | 15  |           |      | 1955 | 0.8    | 24  |           |      |      |        |     |
| <b>9</b>  |      | 0303 | 7.0    | 213 | <b>21</b> |      | 0135 | 6.8    | 207 |           |      |      |        |     |
|           |      | 1001 | 0.5    | 15  |           |      | 0828 | 0.6    | 18  |           |      |      |        |     |
|           | Tu   | 1527 | 7.0    | 213 |           | Su   | 1401 | 6.6    | 201 |           |      |      |        |     |
|           |      | 2226 | 0.5    | 15  |           | ●    | 2042 | 0.8    | 24  |           |      |      |        |     |
| <b>10</b> |      | 0349 | 6.9    | 210 | <b>22</b> |      | 0218 | 6.7    | 204 |           |      |      |        |     |
|           |      | 1046 | 0.5    | 15  |           |      | 0909 | 0.6    | 18  |           |      |      |        |     |
|           | W    | 1613 | 7.1    | 216 |           | M    | 1444 | 6.7    | 204 |           |      |      |        |     |
|           |      | 2318 | 0.6    | 18  |           |      | 2128 | 0.9    | 27  |           |      |      |        |     |
| <b>11</b> |      | 0438 | 6.6    | 201 | <b>23</b> |      | 0300 | 6.6    | 201 |           |      |      |        |     |
|           |      | 1132 | 0.5    | 15  |           |      | 0948 | 0.7    | 21  |           |      |      |        |     |
|           | Th   | 1701 | 7.2    | 219 |           | Tu   | 1524 | 6.7    | 204 |           |      |      |        |     |
|           |      |      |        |     |           |      | 2212 | 0.9    | 27  |           |      |      |        |     |
| <b>12</b> |      | 0012 | 0.7    | 21  | <b>24</b> |      | 0342 | 6.4    | 195 |           |      |      |        |     |
|           |      | 0530 | 6.3    | 192 |           |      | 1025 | 0.8    | 24  |           |      |      |        |     |
|           | F    | 1220 | 0.6    | 18  |           | W    | 1604 | 6.7    | 204 |           |      |      |        |     |
|           |      | 1754 | 7.1    | 216 |           |      | 2254 | 1.0    | 30  |           |      |      |        |     |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

**DAYLIGHT  
SAVING TIME**

**Times ARE adjusted  
for DST.**

**PHILADELPHIA, PA · US COAST GUARD STATION**  
**OCTOBER 2025** **STATION ID 8545240**

**Times and Heights of High and Low Waters**

|           | Time |      | Height |     |           | Time |      | Height |     |           | Time |      | Height |     |
|-----------|------|------|--------|-----|-----------|------|------|--------|-----|-----------|------|------|--------|-----|
|           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |           | Day  | h.m. | ft.    | cm  |
| <b>1</b>  |      | 0344 | 1.2    | 37  | <b>13</b> |      | 0149 | 0.9    | 27  | <b>25</b> |      | 0442 | 5.7    | 174 |
|           |      | 0925 | 5.5    | 168 |           |      | 0714 | 5.7    | 174 |           |      | 1104 | 0.9    | 27  |
|           | W    | 1540 | 1.0    | 30  |           | M    | 1352 | 0.9    | 27  |           | Sa   | 1647 | 6.6    | 201 |
|           |      | 2141 | 6.5    | 198 |           | ☉    | 1937 | 6.6    | 201 |           |      | 2354 | 0.9    | 27  |
| <b>2</b>  |      | 0439 | 1.1    | 34  | <b>14</b> |      | 0248 | 0.9    | 27  | <b>26</b> |      | 0525 | 5.5    | 168 |
|           |      | 1019 | 5.7    | 174 |           |      | 0818 | 5.6    | 171 |           |      | 1142 | 0.9    | 27  |
|           | Th   | 1640 | 0.9    | 27  |           | Tu   | 1452 | 0.9    | 27  |           | Su   | 1727 | 6.5    | 198 |
|           |      | 2237 | 6.7    | 204 |           |      | 2043 | 6.5    | 198 |           |      |      |        |     |
| <b>3</b>  |      | 0533 | 0.9    | 27  | <b>15</b> |      | 0346 | 0.9    | 27  | <b>27</b> |      | 0038 | 1.0    | 30  |
|           |      | 1110 | 6.0    | 183 |           |      | 0921 | 5.7    | 174 |           |      | 0610 | 5.4    | 165 |
|           | F    | 1739 | 0.8    | 24  |           | W    | 1552 | 0.9    | 27  |           | M    | 1225 | 0.9    | 27  |
|           |      | 2329 | 6.8    | 207 |           |      | 2146 | 6.5    | 198 |           |      | 1812 | 6.4    | 195 |
| <b>4</b>  |      | 0624 | 0.8    | 24  | <b>16</b> |      | 0443 | 0.8    | 24  | <b>28</b> |      | 0125 | 1.0    | 30  |
|           |      | 1159 | 6.3    | 192 |           |      | 1021 | 5.9    | 180 |           |      | 0659 | 5.4    | 165 |
|           | Sa   | 1836 | 0.6    | 18  |           | Th   | 1652 | 0.8    | 24  |           | Tu   | 1313 | 0.9    | 27  |
|           |      |      |        |     |           |      | 2245 | 6.5    | 198 |           |      | 1903 | 6.4    | 195 |
| <b>5</b>  |      | 0018 | 7.0    | 213 | <b>17</b> |      | 0536 | 0.6    | 18  | <b>29</b> |      | 0215 | 0.9    | 27  |
|           |      | 0713 | 0.6    | 18  |           |      | 1117 | 6.2    | 189 |           |      | 0752 | 5.4    | 165 |
|           | Su   | 1245 | 6.7    | 204 |           | F    | 1749 | 0.7    | 21  |           | W    | 1408 | 0.8    | 24  |
|           |      | 1931 | 0.5    | 15  |           |      | 2338 | 6.5    | 198 |           | ☉    | 2001 | 6.3    | 192 |
| <b>6</b>  |      | 0105 | 7.0    | 213 | <b>18</b> |      | 0626 | 0.5    | 15  | <b>30</b> |      | 0307 | 0.9    | 27  |
|           |      | 0800 | 0.5    | 15  |           |      | 1207 | 6.4    | 195 |           |      | 0847 | 5.5    | 168 |
|           | M    | 1330 | 7.0    | 213 |           | Sa   | 1843 | 0.7    | 21  |           | Th   | 1508 | 0.8    | 24  |
|           |      | 2024 | 0.4    | 12  |           |      |      |        |     |           |      | 2101 | 6.4    | 195 |
| <b>7</b>  |      | 0152 | 6.9    | 210 | <b>19</b> |      | 0026 | 6.5    | 198 | <b>31</b> |      | 0401 | 0.8    | 24  |
|           |      | 0846 | 0.5    | 15  |           |      | 0712 | 0.4    | 12  |           |      | 0941 | 5.8    | 177 |
|           | Tu   | 1415 | 7.2    | 219 |           | Su   | 1253 | 6.6    | 201 |           | F    | 1610 | 0.7    | 21  |
|           | ☉    | 2117 | 0.4    | 12  |           |      | 1933 | 0.6    | 18  |           |      | 2159 | 6.4    | 195 |
| <b>8</b>  |      | 0239 | 6.8    | 207 | <b>20</b> |      | 0111 | 6.5    | 198 |           |      |      |        |     |
|           |      | 0932 | 0.5    | 15  |           |      | 0755 | 0.5    | 15  |           |      |      |        |     |
|           | W    | 1500 | 7.4    | 226 |           | M    | 1336 | 6.8    | 207 |           |      |      |        |     |
|           |      | 2209 | 0.4    | 12  |           |      | 2020 | 0.6    | 18  |           |      |      |        |     |
| <b>9</b>  |      | 0328 | 6.6    | 201 | <b>21</b> |      | 0154 | 6.4    | 195 |           |      |      |        |     |
|           |      | 1019 | 0.5    | 15  |           |      | 0835 | 0.6    | 18  |           |      |      |        |     |
|           | Th   | 1547 | 7.4    | 226 |           | Tu   | 1416 | 6.8    | 207 |           |      |      |        |     |
|           |      | 2302 | 0.5    | 15  |           | ☉    | 2105 | 0.7    | 21  |           |      |      |        |     |
| <b>10</b> |      | 0419 | 6.3    | 192 | <b>22</b> |      | 0236 | 6.2    | 189 |           |      |      |        |     |
|           |      | 1107 | 0.6    | 18  |           |      | 0914 | 0.7    | 21  |           |      |      |        |     |
|           | F    | 1638 | 7.3    | 223 |           | W    | 1455 | 6.8    | 207 |           |      |      |        |     |
|           |      | 2356 | 0.6    | 18  |           |      | 2148 | 0.7    | 21  |           |      |      |        |     |
| <b>11</b> |      | 0514 | 6.1    | 186 | <b>23</b> |      | 0318 | 6.0    | 183 |           |      |      |        |     |
|           |      | 1159 | 0.7    | 21  |           |      | 0951 | 0.8    | 24  |           |      |      |        |     |
|           | Sa   | 1733 | 7.1    | 216 |           | Th   | 1533 | 6.7    | 204 |           |      |      |        |     |
|           |      |      |        |     |           |      | 2230 | 0.8    | 24  |           |      |      |        |     |
| <b>12</b> |      | 0052 | 0.8    | 24  | <b>24</b> |      | 0359 | 5.8    | 177 |           |      |      |        |     |
|           |      | 0613 | 5.8    | 177 |           |      | 1028 | 0.9    | 27  |           |      |      |        |     |
|           | Su   | 1254 | 0.8    | 24  |           | F    | 1610 | 6.6    | 201 |           |      |      |        |     |
|           |      | 1833 | 6.9    | 210 |           |      | 2312 | 0.9    | 27  |           |      |      |        |     |

Time meridian 75° W.  
 0000 is midnight.  
 1200 is noon.

**DAYLIGHT  
 SAVING TIME**  
 Times ARE adjusted  
 for DST.

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**NOVEMBER 2025** **STATION ID 8545240**

**Times and Heights of High and Low Waters**

| Time<br>Day | Height |         | Time<br>Day | Height |         | Time<br>Day | Height |         |
|-------------|--------|---------|-------------|--------|---------|-------------|--------|---------|
|             | h.m.   | ft. cm  |             | h.m.   | ft. cm  |             | h.m.   | ft. cm  |
| <b>1</b>    | 0454   | 0.6 18  | <b>13</b>   | 0218   | 0.5 15  | <b>25</b>   | 0440   | 5.2 158 |
|             | 1034   | 6.1 186 |             | 0759   | 5.6 171 |             | 1101   | 0.5 15  |
| Sa          | 1711   | 0.6 18  | Th          | 1429   | 0.7 21  | Tu          | 1640   | 6.3 192 |
|             | 2254   | 6.5 198 |             | 2020   | 6.1 186 |             | 2356   | 0.5 15  |
| <b>2</b>    | 0446   | 0.5 15  | <b>14</b>   | 0311   | 0.4 12  | <b>26</b>   | 0525   | 5.2 158 |
|             | 1025   | 6.5 198 |             | 0857   | 5.9 180 |             | 1148   | 0.5 15  |
| Su          | 1711   | 0.5 15  | F           | 1527   | 0.6 18  | W           | 1729   | 6.2 189 |
|             | 2246   | 6.6 201 |             | 2117   | 6.0 183 |             |        |         |
| <b>3</b>    | 0537   | 0.4 12  | <b>15</b>   | 0402   | 0.3 9   | <b>27</b>   | 0042   | 0.5 15  |
|             | 1113   | 6.9 210 |             | 0950   | 6.1 186 |             | 0615   | 5.3 162 |
| M           | 1809   | 0.3 9   | Sa          | 1624   | 0.6 18  | Th          | 1242   | 0.5 15  |
|             | 2337   | 6.6 201 |             | 2209   | 6.0 183 |             | 1824   | 6.1 186 |
| <b>4</b>    | 0627   | 0.3 9   | <b>16</b>   | 0451   | 0.2 6   | <b>28</b>   | 0131   | 0.4 12  |
|             | 1200   | 7.2 219 |             | 1040   | 6.4 195 |             | 0708   | 5.5 168 |
| Tu          | 1904   | 0.3 9   | Su          | 1718   | 0.5 15  | F           | 1341   | 0.5 15  |
|             |        |         |             | 2258   | 6.0 183 | ☉           | 1923   | 6.1 186 |
| <b>5</b>    | 0027   | 6.5 198 | <b>17</b>   | 0537   | 0.2 6   | <b>29</b>   | 0223   | 0.3 9   |
|             | 0716   | 0.3 9   |             | 1126   | 6.5 198 |             | 0803   | 5.8 177 |
| W           | 1248   | 7.4 226 | M           | 1808   | 0.4 12  | Sa          | 1444   | 0.5 15  |
| ○           | 1959   | 0.2 6   |             | 2345   | 5.9 180 |             | 2023   | 6.0 183 |
| <b>6</b>    | 0117   | 6.3 192 | <b>18</b>   | 0620   | 0.3 9   | <b>30</b>   | 0316   | 0.2 6   |
|             | 0805   | 0.3 9   |             | 1208   | 6.6 201 |             | 0858   | 6.1 186 |
| Th          | 1336   | 7.4 226 | Tu          | 1856   | 0.3 9   | Su          | 1547   | 0.4 12  |
|             | 2052   | 0.2 6   |             |        |         |             | 2121   | 6.0 183 |
| <b>7</b>    | 0209   | 6.1 186 | <b>19</b>   | 0029   | 5.8 177 |             |        |         |
|             | 0855   | 0.4 12  |             | 0702   | 0.4 12  |             |        |         |
| F           | 1426   | 7.3 223 | W           | 1249   | 6.7 204 |             |        |         |
|             | 2146   | 0.3 9   |             | 1941   | 0.4 12  |             |        |         |
| <b>8</b>    | 0302   | 5.9 180 | <b>20</b>   | 0113   | 5.7 174 |             |        |         |
|             | 0946   | 0.5 15  |             | 0742   | 0.5 15  |             |        |         |
| Sa          | 1519   | 7.1 216 | Th          | 1328   | 6.6 201 |             |        |         |
|             | 2239   | 0.4 12  | ●           | 2025   | 0.4 12  |             |        |         |
| <b>9</b>    | 0358   | 5.7 174 | <b>21</b>   | 0155   | 5.6 171 |             |        |         |
|             | 1040   | 0.5 15  |             | 0821   | 0.6 18  |             |        |         |
| Su          | 1616   | 6.9 210 | F           | 1405   | 6.5 198 |             |        |         |
|             | 2334   | 0.5 15  |             | 2107   | 0.5 15  |             |        |         |
| <b>10</b>   | 0456   | 5.6 171 | <b>22</b>   | 0236   | 5.4 165 |             |        |         |
|             | 1135   | 0.6 18  |             | 0900   | 0.6 18  |             |        |         |
| M           | 1716   | 6.6 201 | Sa          | 1442   | 6.4 195 |             |        |         |
|             |        |         |             | 2148   | 0.6 18  |             |        |         |
| <b>11</b>   | 0028   | 0.6 18  | <b>23</b>   | 0317   | 5.3 162 |             |        |         |
|             | 0557   | 5.5 168 |             | 0938   | 0.6 18  |             |        |         |
| Tu          | 1232   | 0.7 21  | Su          | 1519   | 6.3 192 |             |        |         |
|             | 1818   | 6.4 195 |             | 2230   | 0.6 18  |             |        |         |
| <b>12</b>   | 0123   | 0.6 18  | <b>24</b>   | 0358   | 5.2 158 |             |        |         |
|             | 0658   | 5.5 168 |             | 1018   | 0.6 18  |             |        |         |
| W           | 1330   | 0.7 21  | M           | 1558   | 6.3 192 |             |        |         |
| ☉           | 1920   | 6.2 189 |             | 2312   | 0.6 18  |             |        |         |

Time meridian 75° W.

0000 is midnight.

1200 is noon.

Heights are referred to mean lower low water which is the chart datum of soundings.

**EASTERN  
STANDARD TIME/  
DAYLIGHT  
SAVING TIME**

**Times ARE adjusted  
for DST until  
November 2.**

**PHILADELPHIA, PA • US COAST GUARD STATION**  
**DECEMBER 2025** **STATION ID 8545240**

**Times and Heights of High and Low Waters**

|                      | Time |  | Height |     | Day | Time    |  | Height |     | Day | Time    |  | Height |     |
|----------------------|------|--|--------|-----|-----|---------|--|--------|-----|-----|---------|--|--------|-----|
|                      | h.m. |  | ft.    | cm  |     | h.m.    |  | ft.    | cm  |     | h.m.    |  | ft.    | cm  |
| <b>1</b><br>M        | 0410 |  | 0.1    | 3   | 13  | 0233    |  | 0.1    | 3   | 25  | 0454    |  | 5.2    | 158 |
|                      | 0952 |  | 6.4    | 195 |     | 0823    |  | 5.7    | 174 |     | 1129    |  | 0.1    | 3   |
|                      | 1649 |  | 0.3    | 9   |     | Sa 1458 |  | 0.4    | 12  |     | Th 1702 |  | 6.0    | 183 |
|                      | 2217 |  | 6.0    | 183 |     | 2043    |  | 5.5    | 168 |     |         |  |        |     |
| <b>2</b><br>Tu       | 0504 |  | 0.1    | 3   | 14  | 0322    |  | 0.1    | 3   | 26  | 0011    |  | 0.0    | 0   |
|                      | 1043 |  | 6.8    | 207 |     | 0916    |  | 5.9    | 180 |     | 0540    |  | 5.4    | 165 |
|                      | 1749 |  | 0.2    | 6   |     | Su 1554 |  | 0.3    | 9   |     | F 1222  |  | 0.1    | 3   |
|                      | 2312 |  | 5.9    | 180 |     | 2136    |  | 5.4    | 165 |     | 1753    |  | 5.9    | 180 |
| <b>3</b><br>W        | 0557 |  | 0.1    | 3   | 15  | 0411    |  | 0.1    | 3   | 27  | 0057    |  | -0.1   | -3  |
|                      | 1134 |  | 7.0    | 213 |     | 1007    |  | 6.1    | 186 |     | 0632    |  | 5.6    | 171 |
|                      | 1846 |  | 0.1    | 3   |     | M 1649  |  | 0.2    | 6   |     | Sa 1320 |  | 0.2    | 6   |
|                      |      |  |        |     |     | 2228    |  | 5.4    | 165 |     | 1850    |  | 5.7    | 174 |
| <b>4</b><br>Th<br>O  | 0005 |  | 5.9    | 180 | 16  | 0459    |  | 0.1    | 3   | 28  | 0147    |  | -0.1   | -3  |
|                      | 0650 |  | 0.1    | 3   |     | 1054    |  | 6.2    | 189 |     | 0727    |  | 5.8    | 177 |
|                      | 1225 |  | 7.1    | 216 |     | Tu 1741 |  | 0.2    | 6   |     | Su 1422 |  | 0.2    | 6   |
|                      | 1942 |  | 0.0    | 0   |     | 2317    |  | 5.4    | 165 |     | 1951    |  | 5.6    | 171 |
| <b>5</b><br>F        | 0058 |  | 5.8    | 177 | 17  | 0545    |  | 0.1    | 3   | 29  | 0241    |  | -0.1   | -3  |
|                      | 0743 |  | 0.1    | 3   |     | 1139    |  | 6.3    | 192 |     | 0824    |  | 6.0    | 183 |
|                      | 1316 |  | 7.1    | 216 |     | W 1830  |  | 0.1    | 3   |     | M 1526  |  | 0.2    | 6   |
|                      | 2035 |  | 0.0    | 0   |     |         |  |        |     |     | 2053    |  | 5.5    | 168 |
| <b>6</b><br>Sa       | 0151 |  | 5.6    | 171 | 18  | 0004    |  | 5.3    | 162 | 30  | 0337    |  | 0.0    | 0   |
|                      | 0835 |  | 0.1    | 3   |     | 0629    |  | 0.2    | 6   |     | 0922    |  | 6.3    | 192 |
|                      | 1409 |  | 7.0    | 213 |     | Th 1222 |  | 6.3    | 192 |     | Tu 1629 |  | 0.2    | 6   |
|                      | 2128 |  | 0.1    | 3   |     | 1916    |  | 0.1    | 3   |     | 2153    |  | 5.4    | 165 |
| <b>7</b><br>Su       | 0245 |  | 5.5    | 168 | 19  | 0049    |  | 5.3    | 162 | 31  | 0436    |  | 0.0    | 0   |
|                      | 0928 |  | 0.2    | 6   |     | 0713    |  | 0.2    | 6   |     | 1018    |  | 6.5    | 198 |
|                      | 1503 |  | 6.8    | 207 |     | F 1303  |  | 6.3    | 192 |     | W 1731  |  | 0.1    | 3   |
|                      | 2220 |  | 0.1    | 3   |     | 2000    |  | 0.1    | 3   |     | 2252    |  | 5.2    | 158 |
| <b>8</b><br>M        | 0340 |  | 5.4    | 165 | 20  | 0132    |  | 5.2    | 158 |     |         |  |        |     |
|                      | 1021 |  | 0.2    | 6   |     | 0755    |  | 0.2    | 6   |     |         |  |        |     |
|                      | 1558 |  | 6.5    | 198 |     | Sa 1342 |  | 6.2    | 189 |     |         |  |        |     |
|                      | 2312 |  | 0.1    | 3   |     | 2043    |  | 0.2    | 6   |     |         |  |        |     |
| <b>9</b><br>Tu       | 0436 |  | 5.4    | 165 | 21  | 0213    |  | 5.1    | 155 |     |         |  |        |     |
|                      | 1114 |  | 0.3    | 9   |     | 0836    |  | 0.2    | 6   |     |         |  |        |     |
|                      | 1655 |  | 6.3    | 192 |     | Su 1420 |  | 6.2    | 189 |     |         |  |        |     |
|                      |      |  |        |     |     | 2124    |  | 0.2    | 6   |     |         |  |        |     |
| <b>10</b><br>W       | 0002 |  | 0.2    | 6   | 22  | 0252    |  | 5.1    | 155 |     |         |  |        |     |
|                      | 0533 |  | 5.4    | 165 |     | 0917    |  | 0.2    | 6   |     |         |  |        |     |
|                      | 1209 |  | 0.3    | 9   |     | M 1458  |  | 6.1    | 186 |     |         |  |        |     |
|                      | 1753 |  | 6.0    | 183 |     | 2205    |  | 0.2    | 6   |     |         |  |        |     |
| <b>11</b><br>Th<br>O | 0053 |  | 0.1    | 3   | 23  | 0332    |  | 5.1    | 155 |     |         |  |        |     |
|                      | 0631 |  | 5.4    | 165 |     | 0958    |  | 0.2    | 6   |     |         |  |        |     |
|                      | 1304 |  | 0.4    | 12  |     | Tu 1536 |  | 6.1    | 186 |     |         |  |        |     |
|                      | 1850 |  | 5.8    | 177 |     | 2246    |  | 0.2    | 6   |     |         |  |        |     |
| <b>12</b><br>F       | 0143 |  | 0.1    | 3   | 24  | 0411    |  | 5.1    | 155 |     |         |  |        |     |
|                      | 0728 |  | 5.5    | 168 |     | 1042    |  | 0.1    | 3   |     |         |  |        |     |
|                      | 1401 |  | 0.4    | 12  |     | W 1617  |  | 6.1    | 186 |     |         |  |        |     |
|                      | 1947 |  | 5.6    | 171 |     | 2328    |  | 0.1    | 3   |     |         |  |        |     |

Time meridian 75° W.  
0000 is midnight.  
1200 is noon.

**EASTERN  
STANDARD TIME**

# NOTES



