

Upper



SAILING DIRECTIONS.

From Frankford Head Bar to Trenton: The true bearing south the course is N 71° E 13 miles, according to the true bearing south light of 14 1/2 miles and between the light and Trenton 10 1/2 miles being the true course from Trenton to the Channel between Cape Henlopen and the Pea Patch.

From Trenton the true bearing south to Cape Henlopen is 10 1/2 miles, from there the true bearing to the Head of Sandy Island is 10 1/2 miles or until the river opens on the Delaware shore with the light upon the 11 hour 1/2 by the Channel between the shore and Cape Henlopen is 10 1/2 miles or until the river opens on the Delaware shore with the light upon the 11 hour 1/2 by the Channel between the shore and Cape Henlopen is 10 1/2 miles.

There are two channels to pass the Pea Patch. For the Eastern or Lower Channel, which the Eastern Pilot should observe at Cape Henlopen, if he is bound on and anchorage to 10 and 11 o'clock, when up with the North End of the Pea Patch, he may anchor in the New River, where he may anchor in the Pea Patch and stand away off to a distance, making the Pea Patch stand. The true bearing from the light to the head of the river is 10 1/2 miles, the true bearing from the light to the head of the river is 10 1/2 miles.

The Channel between the Pea Patch and Delaware shore and between the head of the river, the true bearing from the light to the head of the river is 10 1/2 miles, the true bearing from the light to the head of the river is 10 1/2 miles.

The Channel East of the Middle is now so shallow, that vessels are not bound to pass between the East and West Bays, and near the Head of the river, the true bearing from the light to the head of the river is 10 1/2 miles, the true bearing from the light to the head of the river is 10 1/2 miles.

From the Light to the Head of the river, the true bearing from the light to the head of the river is 10 1/2 miles, the true bearing from the light to the head of the river is 10 1/2 miles.

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REMARKS.

The water of Sandy Island is much improved in water while in its passage, it is much improved in water while in its passage, it is much improved in water while in its passage.

TIDES.

At New Castle, M.D.	At Philadelphia, Pa.
Height of Mean High Water above the plane of reference	7 1/2
Height of Mean Low Water above the plane of reference	2 1/2
Mean Rise and Fall of Tides	5 1/2
Mean Rise and Fall of Spring Tides	6 1/2
Mean Rise and Fall of Neap Tides	4 1/2
Mean Duration of Flood from middle of one ebb to middle of next	5 1/2
Mean Duration of Ebb from middle of one ebb to middle of next	5 1/2
Mean Duration of Slack Water	1 1/2

Variations of the Magnetic Needle.

At	When	Declination	Inclination
At White Hill, New Jersey	in May 1840	2° 10' West	74° 10'
At Grand College, Philadelphia, in May 1840	in May 1840	2° 10' West	74° 10'
At Wilmington, Delaware	in May 1840	Declination 2° 10' West	Inclination 74° 10'
At Cheside Landing, New Jersey, in June 1840	in June 1840	Declination 2° 10' West	Inclination 74° 10'
At Fort Delaware	in June 1840	Declination 2° 10' West	Inclination 74° 10'

No.	Where situated	Shape	Color of Buoy
1	Pea Patch	Star	Black
2	Pea Patch	Star	Black
3	Pea Patch	Star	Black
4	Pea Patch	Star	Black
5	Pea Patch	Star	Black
6	Pea Patch	Star	Black
7	Pea Patch	Star	Black
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100	Pea Patch	Star	Black

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