CHESAPEAKE BAY

SHEET No. 3

FROM THE MOUTH OF THE HUDSON RIVER TO THE MOUTH OF THE POTOMAC RIVER

From a Trigonometrical Survey

under the direction of A.D.BACHE Superintendent of the

SURVEY OF THE COAST OF THE UNITED STATES

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Published in 1855

Scale 80,000

Statute Miles

Scale of Yards

Nautical Miles

SOUNDINGS

The Soundings are expressed in feet to 25 feet, or within the dotted surfaces beyond them in fathoms and show the depth at mean low-water the plane of reference. The dotted surfaces beyond low-water mark represent the bottom within the respective depths of 6, 12 and 18 feet. The characteristic soundings only are given on the map; they are selected from the numerous soundings taken in the survey, so as to represent the figure of the bottom.

ABBREVIATIONS

used in the bottoms of this Map

Materials or Qualities	Colors or Shades (see small letters)	Other qualities (see small letters)
M. for Mud	*bk. for black*	*hrd. for hard*
S. " Sand	*wh. " white*	*stf. " soft*
G. " Gravel	*yl. " yellow*	*fne. " fine*
Sh. " Shells	*gy. " grey*	*crs. " coarse*
Pt. " Pebbles	*bu. " blue*	*stk. " sticky*
Sp. " Spooks	*dk. " dark*	*brk. " broken*
	lt. " light	

Note. The principal materials and their qualities are represented by larger letters than the subsidiary.

SAILING DIRECTIONS

Bound up the Bay. When in 7 fathoms with Pooles Lookout Light bearing W. distant 4 miles steer N.by W.¼ W. (N. 12° W.) until Cove Pt. bears W. distant 10 miles. Thence the course is N.by W.½ W. (N.2°30' W.)

From Patuxent River up the Bay. When in 12 fathoms Point Lookout Light bearing S. distant 2½ miles steer S.E. (S.S.E.½ E.) until Point Lookout Light bears W. distant 2½ miles when steer N.E. (N.) Smiths Sp. Point bearing W. distant 2½ miles, stand up the Bay as before directed.

Bound into Hooper's Straits. When in 7 fathoms Point Lookout Light bearing W. distant ¾ miles steer N.N.E. ½ E. (N.2° E.) until Hooper's Straits Light vessel bears E. distant 11 miles when cross the bar on an E. by N.(N.75°30' E.) course.

From Hooper's Straits up the Bay. *The Hooper's Straits Light vessel bearing E. distant 11 miles steer S.W. by W.(S.25° W.) until Richland Pt. on Hooper's Is. bears N.by W. distant 28 miles then change the course to W.(S.W.) and when Richland Pt. bears N.E.¼ N. steer N.W.¼ W.(N.33°30' W.)until Cedar Pt. bears W. distant 2 miles, then stand up the Bay as previously directed.*

Bound into Patuxent River. *Cedar Pt. bearing W. distant 2 miles, steer N.W.(N.45° W.) until Cedar Pt. bears S. by W. distant 12 miles and Cove Pt. N. by W. distant 32 miles, then steer W. (N.) N.and when the Northern point of Hog Id. bears S.by W. 2 W. distant 1 mile, stand in for the river on a S.W. by W.(W.¼ S.W.) course.*

From the Patuxent River up the Bay. *When in 5 fathoms Cedar Pt. bearing S. by W. and Cove Pt. Light N. by W. steer N. by E.(N. 8° E.) Cove Pt. Light bearing W. stand up the Bay as previously directed.*

DANGERS

The West side of the Bay has the boldest shore and may be approached within a mile without danger. On the Eastern side the soundings are irregular the shoal water extends generally some 2 miles off the shore,the lead will be the best guide in heaving or making direct courses. In standing to the Eastward it is safest to keep them in 9 fathoms; the water shoals suddenly.

NOTE

The Courses and Bearings without the brackets are Magnetic those within are True. The distances are in Nautical miles. The Soundings are expressed in feet to 25 feet or within the dotted lines. beyond them in fathoms and show the depth at mean low water the plane of reference. The dotted lines beyond low water mark represent the bottom within the respective depths of 6, 12 and 18 feet.

The characteristic soundings only are given on the map. They are selected from the numerous soundings taken in the survey, so as to represent the figure of the bottom.

Light Houses and Beacons

Name and Locality	Latitude	Longitude West from Greenwich in time	Longitude West from Greenwich in Degrees	Fixed or Revolving	Lights or Days	Height above the level of the Sea	Distance at which the Light can be seen
Cove Point, N. of Ent. to Patuxent R.	38° 23' 08"·0	0h 21m 36"·5	5° 24' 0"·0	Fixed under the Chart	14Ft.	51	
Point Lookout, Ent. to Potomac R.	38 02 15 ·5	0 21 24 ·5	5 21 7 ·5	Fixed	37	15	
(Cap Island), Mouth of Nanticoke R.	38 18 33 ·5	0 21 58 ·5	5 29 37 ·5		36	15	
Fog Point, on Nanticoke Island.	38 20 40 ·5	0 21 46 ·5	5 26 37 ·5		34	10	

Light Vessel

Hooper's Straits Light Vessel, *abreast of entrance to Hoopes River; 22 miles West of Bishops Head.3 miles S. by E.½ E.from Crab Pt. is of Lead color with Fixed light 34 feet above the level of the sea, visible 11 nautical miles. Fog Bell.*

The Triangulation was executed in ..... *1844 '45 '46 & 49*
The Topography ..... *1847 '48 '49 '52 & '54*
The Hydrography ..... *1847 '48 '49 & '50*

TIDAL CURRENTS

No.	Locality	1st Quarter Hrs.	1st Quarter Direct.	Maximum Hrs.	Maximum Direct.	3rd Quarter Hrs.	3rd Quarter Direct.	Flyes
1	To the Northward of Cove Pt.	5	S.W.	11	S.W.	5	N.E.	Flood
2	Mouth of Patuxent River	5	S.W.	11	S.W.	5	N.E.	Flood
3	Off Cedar Pt.	5	S.W.	11	S.W.	5	N.E.	Flood
4	Off Point No Point.	5	S.W.	11	S.W.	5	N.E.	Flood
5	Hooper's Straits.	5	S.W.	11	S.W.	5	N.E.	Flood

Current Note

The Observations were made as far as practicable when the influence of the wind was small. The Bearings are True. the Drifts are in Nautical miles per hour.shown on the Chart by figures near the ends of the current arrows.

——— Signifies end of 1st. Quarter *——— Maximum* *——— 3rd. Quarter Flood*

——— Ebb

TIDES

Corrected Establishment Point Lookout	0h XXIIm
Rise of Highest Tide observed above the plane of reference	1.6 Ft.
Fall of Lowest Tide ... below ... do.	1.5 "
Fall of Mean Low Water of Spring Tides below ... do.	0.1 "
Height of Mean Low Water of Neap Tides above do.	0.1 "
Mean Rise and Fall of Tides	1.1 "
Mean ... do. ... of Spring Tides	1.4 "
Mean ... do. ... of Neap Tides	0.1 "
Mean Duration of Rise (Reckoning from the middle of one	5h 59m
Mean ... do. ... of Fall) stand to the middle of the next	6h 19m
Mean ... do. ... of Stand	0h 30m

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RAREBK
VK
982
.C5
B3
1861
Chart K

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