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

Triangulation by E.BLUNT A.E.HILGARD J.S.WILLIAMS and R.D.CUTTS Assistants

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Published in 1852

Scale 8=50mm

Statute Miles

Scale of Yards

Nautical Miles

SOUNDINGS

The Soundings are expressed in feet to 12 feet, or within the dotted surface, beyond them in fathoms and show the depth at mean low-water the plane of reference. The dotted surface 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 in Capitals	Colors or Shades two small letters	Other qualities more small letters
M. for Mud	bk. for black	hrd. for hard
S. " Sand	wh. " white	sft. " soft
G. " Gravel	yl. " yellow	fne. " fine
Sh. " Shells	gy. " grey	crs. " coarse
P. " Pebbles	bu. " blue	stk. " sticky
Sp. " Spongs	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 Point Lookout Light bearing W distant 4 miles steer N by W ¼ W (N 12° W) until Cove Pt. bears W distant 11 miles. Thence the course is N by W ½ W (N 22° W).

From Potomac River up the Bay. When in 7½ fathoms Point Lookout Light bearing S. distant 2½ miles steer S.E. (E.N.E.½E.) until Point Lookout Light bears W distant 21 miles when steer S.E. (E.½S.) Fog Tp. Point bearing W distant 21 miles stand up the Bay as before directed.

Bound into Hooper's Straits. When in 7 fathoms Point Lookout Light bearing W distant 4 miles steer N.N.E. ½ E. (N.30°E.) until Hooper's Straits Light vessel bears E. distant 11 miles when cross the bar on an E by N (N.75°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.2.5° W) until Richland Pt. on Hooper's Is. bears S by W distant 2½ miles then change the course to W ½ S.W. and when Richland Pt. bears S.E. ½ S. steer N.W ½ N.(N.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.47°W) until Cedar Pt. bears S. by W distant 12 miles and Cove Pt. N by W distant 12 miles, then steer W ½ (N) until when the Northern point of Hog Is. bears S by W ½ W distant 1 mile stand in for the river on S.W by W ½ W (S.58°W) course.

From the Patuxent River up the Bay. When in 4 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 bonting or making direct courses. In standing to the Eastward it is safest to tack when in 3 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 12 feet or within the dotted surface, 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 Degs.	Fixed or Revolving	Length of Focus	Height above Mean Water	Distance at which visible in nautical miles
Cove Point, N. of Ent. to Patuxent R.	38° 23′ 48″ N	5h 4m 34s W	76° 8′ 30″ W	Fixed water color	12 in.	42 ft.	12.1
Point Lookout, Ent. to Potomac R.	38 10 15 N	5 16 24 W	76 37 30 W	Fixed	—	37 "	11.3
(Cap Island), Mouth of Nanticoke R.	38 18 35 N	5 18 48 W	76 37 30 W	—	—	36 "	11.8
Fog Point, on Sandfire Island.	38 10 30 N	5 16 44 W	76 39 30 W	—	—	34 "	10.8

Light Vessel

Hooper's Straits Light Vessel, *abreast of entrance to Harper River; 22 miles West of Bishops Head, 3 miles S. by E. E. 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 '47 '48 & '49*
The Topography " " "	*1847 '48 '49 '52 & '54*
The Hydrography " " "	*1847 '48 '49 & '56*

TIDAL CURRENTS

No.	Locality	1st Quarter hrs.	1st Quarter mns.	Maximum hrs.	Maximum mns.	3rd Quarter hrs.	3rd Quarter mns.	Place of Obs.
1	To the Northward of Cove Pt.	3	0	6	0	9	0	Mean
2	Mouth of Patuxent River	3	0	6	0	9	0	Mean
3	opp Cedar Pt.	3	0	6	0	9	0	Mean
4	opp Point No Point.	3	0	6	0	9	0	Mean
5	Hooper's Straits	3	0	6	0	9	0	Mean

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 Placed*

Ebb

TIDES

Corrected Establishment Point Lookout	0h XXIII′
Rise of Highest Tide observed above the plane of reference	1.5 Ft.
Fall of Lowest Tide do. below do. do.	1.5 "
Fall of Mean Low Water of Spring Tides below do.	0.5 "
Height of Mean Low Water of Neap Tides above do.	0.5 "
Mean Rise and Fall of Tides	1.5 "
Mean do. of Spring Tides	1.5 "
Mean do. of Neap Tides	0.5 "
Mean Duration of Rise (Reckoning from the middle of one	5h 59′
Mean do. of Fall (stand to the middle of the next	6h 29′
Mean do. of Stand	0h 30′

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RAREBK
VK
982
C5
B3
1861
Chart K

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