

4445

4445

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patten, Director

B. & O. SURVEY

L. & A.

1111 23 1930

Acc. No.

State: Maryland

DESCRIPTIVE REPORT

Topographic }  
Hydrographic }

Sheet No.

B

4445

LOCALITY

Chesapeake Bay

Barren Island and Meekins

Neck

1929

CHIEF OF PARTY

J. Senior

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC

Sheet "B" 4445

Vicinity of Hooper Island, Maryland.

M. V. Natoma

Jack Senior  
Comdg.

Season 1929

DESCRIPTIVE REPORT TO ACCOMPANY  
TOPOGRAPHIC SHEET "B" - HOOPER  
ISLAND VICINITY, MARYLAND, 1929.

AUTHORITY:

This work was executed under the Director's orders dated July 3, 1929.

EXTENT:

The resurvey was made of the southern tip of Marsh Island, Fishing Creek, and most of Barren Island.

GENERAL DESCRIPTION:

Barren Island is a low, heavily wooded island, with a marsh separating it into two islands, at about  $\frac{1}{2}$  mile from its northern tip. The western shoreline is irregular and has a steep clay bank with numerous tree stumps extending quite a distance out from shore, some of which are covered at low water, which shows that the bank has washed away considerably. The extreme southern tip of this island is sandy and covered with grass and water bushes. The extreme northern tip is mostly marsh with sandy spits throughout, which are covered with grass.

Marsh Island is mostly marsh, as the name indicates. The western shoreline is a long narrow sand spit covered with grass and water bushes. The eastern shore line is the edge of the marsh grass. The marshy area has three inches to a foot of water on it at high water.

Fishing Creek is a narrow opening (150 m. wide at narrowest place) between Tar Bay and Honga River. A bridge connects Hooper Island with Meekin's Neck, at the eastern end. The land is low and generally marshy. It is heavily wooded at Charity Point. There are considerable dwellings  $\frac{1}{4}$  mile south of the bridge.

LANDMARKS:

The fishing and hunting lodge just south of signal North, can be seen for considerable distance.

SURVEYING METHODS:

The triangulation stations were so numerous that very little plane table traverse was run. Work was done mostly using the the three point fix and resection.

CHANGES OF COAST LINE AND OTHER CHANGES:

In Fishing Creek the old draw bridge has been replaced by a new one built alongside, and to the west of the old one. Most of the old bridge still exists but is in a delapidated condition. Honga Post Office is about 20 m. to the south of the south end of this bridge.

There is a small wharf built near and parallel to the bridge on the Hooper Island side, which has a crab cannery on it. On the Meekin's Neck side there is a small wharf with a small launch repair shop.

There is a wreck about 30 meters to the NW of Signal Sap.

Most of the shore line is the same as on the existing chart, except at Charity Point where the shoreline has washed away a little. The Triangulation Station MINT of 1898 plots directly west of signal Char 1929 and a few meters outside of the high water line.

The present chart shows that there are only four beacons in the entrance of Tar Bay and none in Honga River. There are now five beacons at entrance of Tar Bay and two in Honga River, which were located by triangulation.

The resurvey of Marsh Island shows that the western and southern shore has washed away from 30 to 70 meters while the eastern shore has built up about 50 meters. Triangulation Station TAR (1898) plots about 55 m. to SW of Triangulation Station MARSH (1929), and falls outside of the marshy area.

The most notable change of Barren Island has been in the shore line from the marsh south to the point  $\frac{1}{2}$  mile south of signal South Secondary.

Triangulation Station SOUTH SECONDARY (1900) was 100.25 meters and  $252^{\circ} 41'$  in azimuth from Triangulation station SOUTH (1900) and south Secondary 1900 is now about 15 meters from high water line. This shows that the above mentioned stretch has washed away considerably. In transferring the old shore line from chart No. 1224, shows that the average wash of shoreline is about 100 meters.

The only passage between the two islands separated by the marshy area is over the bridge, as the marsh has 3 inches to one foot of water over it at high water. The western side of the marsh has about 6 inches of water over it at low water and is so soft that one sinks into it for about 3 feet.

Recommended for approval:

*Jack Senior*  
Jack Senior H&G ENGR.

Respectfully submitted,

*Walter J. Chovan*  
Walter J. Chovan, Jr. H&G ENGR.

PLANE TABLE POSITIONS

Sheet B

Object & Description:	Lat:	D.M.	Long:	D.P.	Remarks:
Ban	38°20'	(351) 1499	76°14'	(1183) 274	Ban sig
Flag	38 20	(152) 1698	76 13	(114) 1343	Flag sig
Bar	38 20	(68) 1782	76 13	(195) 1262	Cloth on Barge
Draw	38 20	(59) 1791	76 13	(459) 998	Cloth on
Der	38 21	(1843) 7	76 13	(461) 996	Draw@bridge. Top of Derrick
Sap	38 20	(415) 1435	76 13	(52) 1405	

Positions Scaled by W.J.C  
" " by F.A.R.

*This survey conforms to the general and specific instructions.*

*The junctions with the previous work are adequate, and no further surveying is required.*

*E. P. Ellis*

*July, 1930.*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

~~FIGHTING CREEK, MD.~~

AUGUST 26, \_\_\_\_\_, 1929

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

*Jack Senior*  
Jack Senior, H & G Engr., Chief of Party.

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED	
	Latitude			Longitude				Datum
	°	'	D. M. meters	°	'			
Beacon, lighted, red "0"	38	21	149.0	76	15	1441.0	Triang. 1224	
Beacon, " black "B"	38	21	126.8	76	15	993.0	"	
Beacon, " red "2"	38	20	1705.5	76	15	728.5	"	
Beacon, " black "3"	38	20	1468.8	76	14	1074.0	"	
Beacon, " red "4"	38	20	1096.0	76	14	639.6	"	
Beacon, " black "5"	38	21	178.5	76	13	288.5	"	
Beacon, " black "7"	38	20	373.0	76	11	1294.6	"	
*These two beacons are not numbered; letter designations for survey purposes only.								

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance. The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

# LANDMARKS FOR CHARTS

M. V. Natoma,

September 17th

1929

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

*Jack Senior*  
Jack Senior

Chief of Party.

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	Latitude		Longitude		Datum		
	°	'	D. M. meters	D. P. Meters			
N. end of Barren Id., Hunting & Fishing Lodge. (Visible to westward)	38	20	261 832	76	15	347 1393	Topo 1224
Drawbridge connects Upper & Middle Hooper Ids. in approx. lat. 38° 17' 18"						Topo	1224
<b>CHARTED OBJECTS TO BE REMOVED FROM CHART 1224</b>							
Long Island (2) (now awash at extreme low water)	38	08	436	76	05	1460	1224
Spire on Holland Id. (not visible)	38	07	416	76	05	350	1224

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4445

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. B

REGISTER NO. 4445

State MARYLAND

General locality ~~Eastern coast Chesapeake Bay~~

Locality Barren Island and Meekins Neck  
~~Vicinity of Harper Island~~

Scale 1:10,000 Date of survey July - August, 1929

Vessel U.S. M.V. NATOMA

Chief of Party Jack Senior

Surveyed by Walter J. Chovan

Inked by Walter J. Chovan

Heights in feet above - - to ground to tops of trees

Contour, Approximate contour, Form line interval        feet

Instructions dated July 3rd., 1929

Remarks: Personal survey. Connection made  
with charted shoreline.



# NAUTICAL CHARTS BRANCH

SURVEY NO. T-4445

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8/25/42	553	H.E. Mac Ewen	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.