

# 4255

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
_____, Director	
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State: <u>Connecticut</u>	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. <u>4255</u>
LOCALITY	
<u>Bridgeport</u>	
<u>Stratford Pt. to Crimbo Pt.</u>	
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1927	
CHIEF OF PARTY	
<u>C. D. Meaney</u>	

GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT

to accompany

Topographic Sheet #1 4255

U. S. C. & G. SURVEY

E. Lester Jones, Director.

C. D. Meaney

Chief of Party.

## Descriptive Report

to accompany

Topographic Sheet #1

### INSTRUCTIONS

In compliance with instructions dated March 30, 1927, a topographic survey from Stratford Point to Crimbo Point, Connecticut was executed between April 13 and April 20, 1927.

### Description of Coast Line

The high water line in the vicinity of Stratford Point Lighthouse is rocky in character. From high water to low water boulders of varying size (some over 5' in diameter) line the beach. From the high water line in shore the beach is steep and rocky and backed by sandy bluffs west and south of the lighthouse and a stone wall from northeast to north of the lighthouse. North of Stratford Point Lighthouse the boulders merge into a marshy and sandy shore which extends northward to the southern cottage of Short Beach.

From the southern cottage north to Latitude 41 degrees 09.95 minutes, the beach drops off rapidly from the storm water line, which is the inner edge of the heavily sanded area, nearly to low water. Sand flats extend eastward from here to Stratford Beacon.

West of the storm water line and sometimes bordering this line, several cottages have been built on sandy ground varying in elevation from two to six and a half feet above mean high water.

North of 41 degrees 09.95 minutes, the beach outside the high water line is marshy. Inside the high water line along this area is a sand spit which extends north to a creek which drains the marshlands west of Short Beach. A breakwater has been built just south of this creek from the high water line to the low water line. Near the junction of the sand flats and marsh at 41 degrees 10 minutes north some large rocks have been dumped just outside the high water line.

North of the creek to Crimbo Point is a short stretch of marsh outside the high water line. At Crimbo Point a gravel beach intercepts the marsh which extends westward of Crimbo Point.

## Breakwater

A long breakwater extends from Milford Point in a general southeasterly direction. The inner part of this breakwater is submerged at three-quarters tide, while the outer breakwater is bare at high water. This breakwater was located from the shoreline of south Short Beach by cuts to the apparent junctions of beach and submerged breakwater and submerged breakwater and higher outer breakwater. The light near the end of this breakwater was also located from cuts along Short Beach. This light has been moved north from the end of the outer breakwater according to the Lightkeeper at Stratford Point Lighthouse. The buoys marking the channel were also located from cuts along Short Beach.

## Survey Methods.

Except for some short traverses along the northern part of the survey, the topography was controlled by azimuths from Stratford Point Lighthouse and resections on Stratford Beach checked by a taped traverse from the lighthouse to near the southern cottage on Short Beach. A three point fix near Station Tom controlled the western limit of the short traverses. No adjustments were necessary.

## Changes in Coast Line.

There are extensive changes of the coastline along Short Beach. The southern part of the beach has been eroded while the northern part of the beach has been built up. In the vicinity of Crimbo Point the beach has eroded. The inner beach at its junction with the marsh has undergone no substantial change, while the creeks have apparently changed little. A system of drainage ditches supplemented by a dike and sluiceway now drain the marshes west of Short Beach. A number of drainage ditches also drain the marsh immediately north of Stratford Point. At the present time a controversy is in progress regarding changes in the contact of marsh and beach just north of signal Bill.

A list of landmarks for charts accompany this report.

*W. D. Meanev*  
*Lieut jg*  
*U.S. Army. Survey*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.  
4255

TOPOGRAPHIC TITLE SHEET

*Prepared in Office*

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. 1

REGISTER NO. 4255

State Connecticut

General locality Bridgeport

Locality Stratford Pt. to Crimbo Pt.

Scale 5,000 Date of survey April 13-20, 1927

Vessel \_\_\_\_\_

Chief of Party C.D. Meaney

Surveyed by " " "

Inked by " " "

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated \_\_\_\_\_, 192

Remarks: \_\_\_\_\_