

6740

6740

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Topographic	Sheet No. T-6740
State <u>Massachusetts</u>	
LOCALITY	
Cape Cod	
Spring Hill Beach to ^{Scorton} Sandy Neck	
1940	
CHIEF OF PARTY	
H. Arnold Karo	

applied to Chart 1208. Jan. 21, 1942. g.H.S.
" " " 50 { From Dwg. Cht. 1208 (2/5/42)
June 10, 1942 G.R.

DESCRIPTIVE REPORT

To Accompany Topographic Sheet No. A

Register No. T-6740

Scale 1:10,000

Cape Cod

Massachusetts

Ship LYDONIA

H. Arnold Karo, Chief of Party

INSTRUCTIONS:

Work was executed under authority of Instructions dated March 8, 1940 and Supplemental Instructions dated July 26, 1940. ✓

GENERAL DESCRIPTION OF COAST LINE:

The beach in this area is sandy and has a width of from 30 to 50 meters back of the high water line. The beach is backed by grass covered sand dunes varying from 5 to 40 feet in height. In the vicinity of triangulation station SPRING there are brush covered hills immediately back of the beach which reach a maximum height of 80 feet. Numerous cottages are located along the beach between triangulation stations TON and NECK. In the vicinity of triangulation station NECK* the fore-shore bares up to 180 meters beyond the high water line and there are sandbars bare at low water between 200 and 300 meters beyond the high water line. There are no offshore rocks within the limits of this sheet. ✓

* MLW Line
on H-6561 (1940)
is about 100
meters offshore.
3 and 4 ft
depths on
shoals 200 meters
offshore.

LANDMARKS:

No additional landmarks were located. The landmarks shown on chart 1208 are correct for the area of this sheet. ✓

CONTROL:

Control consisted of previously established triangulation points, supplemented with triangulation control established this season by the LYDONIA. ✓

GENERAL REMARKS:

There are no form lines shown on this sheet as the purpose of the survey was to provide control for contemporary inshore hydrographic surveys. In as much as this area had been flown for air photos, the actual points of the rod readings taken are shown as a point as distinguished from that which was sketched in, which appears as a solid line. Little if any actual delineation of the low water line was attempted. The low water line should be obtained from the hydrographic surveys. H-6561 (1940) ✓

JUNCTIONS:

Satisfactory junctions with adjacent surveys was obtained. Actual high water line is somewhat difficult to obtain due to the shifting nature of the sand beach. The high water line will be found to shift slightly ✓

in places after each norther or northeaster.

TRAVERSES, ETC.

Shore line and signals between triangulation stations SPRING and PAYNE 2 were located by traverse. This traverse had a closure of 2 meters which was adjusted on the sheet.

The shore line and signals between triangulation stations TON and SPRING were located from three point fixes.

The shore line and signals between triangulation stations NECK and TON were located by traverse between the two stations which had a closure of 4 meters. This closure was adjusted on the sheet.

NAMES:

All names were taken from chart 1208 and are in agreement with local usage.

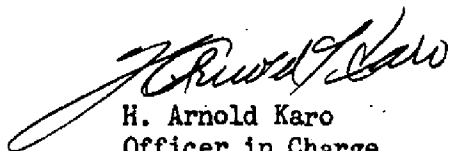
STATISTICS:

Statute Miles of Shore Line - - - - - 4.8
Number of signals located - - - - - 15

NOTE:

Descriptive report prepared from notes submitted by the topographer, Ensign Fair J. Bryant.

Respectfully submitted



H. Arnold Karo
Officer in Charge,
Norfolk Processing Office.

Norfolk, Virginia.
23rd June 1941.

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. **T6740**

GEOGRAPHIC NAMES											
Survey No. T6740											
Name on Survey											
	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K		
<u>Sandy Neck</u>										1	
<u>Scorton Harbor</u>										2	
<u>Scorton Neck</u>										3	
<u>Spring Hill Beach</u>										4	
<u>Cape Cod Bay</u>										5	
										6	
Names underlined in red approved by L. Heck on 10/17/41										7	
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MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOGRAPH~~

~~No. T~~

No. T

T6740

received July 14, 1941
registered July 30, 1941
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	T. B. Reed
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✓ *TBR*

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY REGISTER NO. T-6740 (1940)
Field No. A

Massachusetts, Cape Cod, Spring Hill Beach to Scorton Neck
Surveyed September 1940, Scale 1:10,000
Instructions dated March 8 and July 26, 1940

Plane Table Survey

Aluminum Mounted

Chief of Party - H. Arnold Karo
Surveyed by - Fair J. Bryant
Inked by - Fair J. Bryant and D. M. Stanley
Reviewed by - Harold F. Stegman
Inspected by - H. R. Edmonston, October 6, 1941

1. Junctions with Surveys

- a. The junction with T-6741 (1940) on the north-west is satisfactory.
- b. The present survey overlaps T-6123 (1934) eastward of Long. $70^{\circ}25'$. The shoreline agrees within 10 to 20 meters which is satisfactory in this changeable area. (See D.R. page 1)
T-6740 (1940) supersedes the earlier survey in the common area.

2. Comparison with Prior Surveys

- a. T-901 (1860-61); scale 1:10,000

This early survey covers the entire area of the present survey. The shoreline is in very good agreement with that of T-6740 except in the vicinity of Scorton Harbor entrance near Lat. $41^{\circ}45'$, Long. $70^{\circ}26'$. On the present survey the entrance is about 900 meters west of the mouth of Scorton Harbor Creek on T-901. Apparently this entrance channel was dredged, and the natural creek mouth later became entirely closed. The present survey supersedes this survey.

- b. T-901a and b (1909); scale 1:10,000

The only change shown by these revision surveys

is in the location of Scorton Harbor entrance which is in substantial agreement with that of the present survey. The present survey supersedes these surveys.

3. Comparison with Chart 1208 (Latest Print dated 8-1-41)

a. Shoreline

Shoreline on the chart originates with surveys considered in preceding paragraphs. The present survey supersedes this information.

4. Condition of Survey

- a. The inking of topographic details is satisfactory except that geographic names should be left in pencil until they are edited in the office.
- b. The Descriptive Report is clear and satisfactorily covers all matters of importance.

5. Compliance with Instructions for the Project

This survey complies with the instructions for project HT-248.

6. Additional Field Work Recommended

This is a satisfactory survey and no additional field work is required.

7. Superseded Surveys


T- 901	(1860-61)	in part
T- 901a	(1909)	" "
T 901b	(1909)	" "
T-6123	(1934)	" "

Examined and Approved:


Chief, Surveys Section


Chief, Division of Charts


Chief, Section of Hydrography


Chief, Division of Coastal Surveys