

6742

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. T-6742
State <u>Massachusetts</u>	
LOCALITY	
Cape Cod	
<u>Sagamore Beach to Indian Hill +</u>	
<u>Sagamore Beach</u>	
1920	
CHIEF OF PARTY	
H. Arnold Karo	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. C

REGISTER NO. **T6742**

State Massachusetts

General locality Cape Cod

Locality ~~Sagamore Beach~~ to Indian Hill to Sagamore Beach

Scale 1-10,000 Date of survey Sept., 1940

Vessel Lydonia

Chief of party H. Arnold Karo

Surveyed by Fair J. Bryant

Inked by Fair J. Bryant & D.M.S.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 8, July 26, 1940

Remarks: _____

DESCRIPTIVE REPORT
to
Accompany Topographic Sheet No. C (Field)

Register No. T-6742

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:

In the area covered by this sheet, both the beach and the fore-shore are rocky. The beach is backed by high sand bluffs and brush covered hills. There are numerous off-lying rocks and the inshore water is foul. It was attempted to locate the outer-most of the rocks along the shore.

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.

TRAVERSES, ETC.

All signals and shore line were located from traverses having closures as follows. The traverse from triangulation station MAN to triangulation station LOOK had a closure of one meter. The traverse from triangulation station LOOK to triangulation station CENTER closed flat. The traverse from triangulation station CENTER to triangulation station OUTER had a closure of three meters. The traverse from triangulation station OUTER to triangulation station INDIA had a closure of six meters. The discrepancies in the traverses were adjusted on the sheet.

GENERAL REMARKS:

There are no form lines shown on this sheet as the primary purpose of the survey was to provide control for contemporary inshore hydrographic surveys. In as much as the area surveyed had been flown for air photos, the actual points on which rod readings were taken are still shown on the sheet. The part sketched in is shown 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. *Incompletely defined by Hydro Party - too dangerous. HWM.*

JUNCTIONS:

Satisfactory junctions with adjacent surveys on the south was obtained. ✓

NAMES:

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

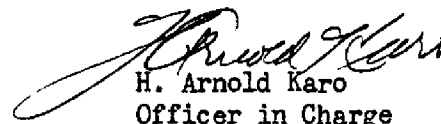
STATISTICS:

STATUTE MILES of Shore Line - - - - - 6.7
Number of signals located - - - - - 26

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. **T6742**

Name on Survey	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A.	B.	C.	D.	E.	F.	G.	H.	K.
<u>Center Hill Point</u>									1
<u>Ellisville Harbor</u>									2
<u>Indian Hill</u>									3
<u>Lookout Point</u>									4
<u>Sagamore Beach</u>									5
<u>Peaked Clift</u>									6
<u>Cape Cod Bay</u>									7
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Names underlined in red approved
by L. Heck on 10/14/41

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTATION~~

~~No. 11~~

No. T T6742

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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✓ JBR

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. 6742 (1940)

FIELD NO. C

Massachusetts, Cape Cod, Indian Hill to Sagamore Beach

Surveyed in September 1940, Scale 1:10,000

Instructions dated March 8 & July 26, 1940 (LYDONIA)

Plane Table Survey

Aluminum Mounted

Chief of Party - H. Arnold Karo

Surveyed by - Fair J. Bryant

Inked by - Fair J. Bryant and D.M.S.

Reviewed by - Harold W. Murray, September 19, 1941

Inspected by - H. R. Edmonston

1. Junctions with Adjacent Surveys

- a. The junction on the south with T-6742 (1940) is satisfactory.
- b. The junction on the north will be considered when that work is received from the field.

2. Comparison with Prior Surveys

- a. T-1062 (1867) and T-1063 (1866), scales 1:10,000

These two surveys taken together cover the entire area of the present survey. Agreement of shoreline with the present survey is good in many sections but in others substantial differences of as much as 100 m. are present. An example is LOOK-OUT POINT in lat. $41^{\circ}50'$, long. $70^{\circ}32'$ which is 100 m. west on the present survey. The stone jetty about one-fourth mile north of this point is a subsequent improvement.

A number of sunken rocks are shown on these surveys. Since several of the rocks were confirmed by the present survey, those which were not verified were carried forward. No individual rocks were carried forward which fell close to rocks located on the present survey. The islet on T-1062 in lat. $41^{\circ}51'9''$, long. $70^{\circ}31.8'$ falls 50 m. south of the one shown on the present survey. It is assumed that only one islet exists in this area,

the difference in position being probably due to a discrepancy in the old survey location. The present survey with the indicated additions supersedes these old surveys.

b. T-1062a (1909) and T-1063a (1909), scales 1:10,000

These are revision surveys showing changes in inland details. The details are shown on overlay tracings of the two surveys listed in the previous paragraph. They contain no information actually falling within the present survey limits, i.e., shoreline and offshore rock detail.

c. T-3625 (1916), scale 1:20,000

About a half mile of shoreline on this survey falls just within the northern limits of the present survey and agrees closely. Several generalized rocks, sunken and awash, are shown on this 1916 survey in this vicinity. The present survey does not show any actual rocks but the appropriate notations "foul" and "rocky" depict the same conditions. The present survey supersedes this survey.

3. Comparison with Chart 1208 (New Print date July 4, 1940)

Topography shown on the chart originates with surveys previously discussed except in the vicinity of ELLISVILLE HARBOR which originates with Bp. 16639 (1917) and Chart Letter 350 of 1918. The present survey indicates additional changes prominent among which is the fact that the charted island here is now absorbed in the mainland. The present survey supersedes this survey.

Mention is made that the ledge just north of CENTER HILL and the cluster of sunken rocks off LOOKOUT POINT both originate with sunken rock clusters on T-1062 (1867) previously considered. The present survey in conjunction with the rock detail shown on H-6562 (1940) is adequate for charting.

4. Compliance with Project Instructions

Satisfactory.

5. Condition of Survey

The small breaks in the black line delineating the shoreline represent points at which rod readings were taken.

6. Additional Field Work Recommended

None.

7. Superseded Surveys

T-1062 (1867) in part
T-1063 (1866) in part
T-3625 (1916) in part

Examined and approved:



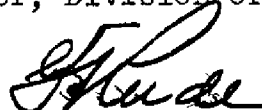
Chief, Surveys Section



Chief, Division of Charts



Chief, Section of Hydrography



Chief, Division of Coastal
Surveys

applied to chart 1208. Jan. 21, 1942 J. H. S.