5735

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT
Date of Photos July 1938 & Nov 1938

Type of Survey Planimetric Air Photographic
Field No. Office No. T-5735

LOCALITY
State Massachusetts
General locality Cape Cod
Locality Atlantic Ocean - Cape Cod Bay
South Orleans - North Eastham

CHIEF OF PARTY
Fred. L. Peacock

LIBRARY & ARCHIVES
DATE

B-1870-1911++
Applied to chart 581 (4/11-9/1/44)

new chart 270 LAM Oct 1958
DATA RECORD

Quadrangle (II): Wellfleet, Mass. (15')
U.S.G.S. Project No. (II): HT-227
Sub-Project No. HT-227-C

Field Office:
Vessel Gilbert
Air Photographic Party No. 2
Baltimore, Maryland

Compilation Office:
Air Photographic Party No. 2

Chief of Party:
H. C. Warwick
L. W. Swanson
Chief of Party:
Fred. L. Peacock

Instructions dated (II III):
September 28, 1938
August 15, 1939

Copy filed in Descriptive Report No. T-

Completed survey received in office:
3/7/44

Reported to Nautical Chart Section:
4/26/44

Reviewed; 2/19/45

Applied to chart No.

Date:

Redrafting Completed:
5/30/45

Registered; 12/46

Published; 8/23/46

Compilation Scale: 1:10,000

Published Scale: 1:10000

Scale Factor (III): None

Geographic Datum (III): N.A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): ALDEN, 1933, r. 1934, r. 1941

Lat.: 41° 47' 40.532" 1250.5m
Long.: 70° 00' 05.177" 119.5m

State Plane Coordinates (VI):

x = 1,008,631.69 ft.
y = 2,931,134.82 ft.

Military Grid Zone (VI) Not shown
PHOTOGRAPHS (III)  
(Unmounted)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-222 to 1-226, Incl.</td>
<td>11/21/38</td>
<td>10:31 A.M.</td>
<td>1:10,000</td>
<td>10.9' Above M.L.W.</td>
</tr>
<tr>
<td><strong>5-18 to 5-18, Inclusive</strong></td>
<td>11/21/38</td>
<td>10:54 A.M.</td>
<td>1:10,000</td>
<td>3.7' Above M.L.W.</td>
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<tr>
<td>*<strong>2417 to 2422, Inclusive</strong></td>
<td>7/16/38</td>
<td>12:26 P.M.</td>
<td>1:10,000</td>
<td>4.1' Above M.L.W.</td>
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<td>7/16/38</td>
<td>12:26 P.M.</td>
<td>1:10,000</td>
<td>1.7' Above M.L.W.</td>
</tr>
</tbody>
</table>

Tide from (III): Predicted tide tables for Boston, Mass., with corrections to *Wellfleet; **Pleasant Bay; ***Masset Harbor, Cape Cod.*

Mean Range: **10.0'**; **3.5'**; **6.0'**  
Spring Range: **11.6'**; **4.1'**; **7.0'**

Camera: (Kind or source)  
U. S. Coast & Geodetic Survey nine lens camera (focal length 6 1/2") Negatives are on file in the Washington Office. The single lens photographs were purchased from the U. S. Geological Survey. The character of the camera used to take the single lens photographs is unknown.

Field Inspection by:  
**Lieut. (j.g.) Fred. Natella** (Report to be submitted with:Com-  
**Lieut. E. B. Lowey** (Survey No. T-5736)  
**Field Edits by:** (Citation Report for Map Drawing)  
**Summer, 1941**

Date of Mean High-Water Line Location (III): As of photographs taken July 16, 1938, and November 21, 1938, supplemented by the field inspection data.

Projection and Grids ruled by (III) John C. O'Neill  
" " " checked by: John C. O'Neill  
Control plotted by: John P. Kubasoo  
Control checked by: Charles C. Tropp  
Radial Plot by: W. E. Schmidt  
Detailed by: Ada May Hobine - Shoreline and interior - rough draft  
Reviewed in compilation office by: Harry R. Rudolph  
Elevations on Field Edit Sheet checked by:  

Date: 3/20/43  
Date: 3/20/43  
Date: 4/18, 19/43  
Date: 4/22/43  
Date: 6/43  
Date: December 1943  
Date: January 1944  
Date: February 1944  
Date: March, 1944
STATISTICS (III)

Land Area (Sq. Statute Miles): 28 sq. statute miles.

Shoreline (More than 200 meters to opposite shore): 36 statute miles

Shoreline (Less than 200 meters to opposite shore): 20 statute miles measured along center line.
Shoreline of interior ponds - 19 statute miles.
Number of Recoverable Topographic Stations established: 30

Number of Temporary Hydrographic Stations located by radial plot: 169
*In addition to these, one other temporary hydrographic station was recommended by the Field Inspection Sub-Party of 1941. (This was an old Δ station)
Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

* Refer to side heading No. 27 for a discussion of the U. S. Coast and Geodetic Survey Triangulation Intersection Station "POCKET HOUSE CHIMNEY, 1909": (shown by Δ and not as ○ hydr. signal)
There are thirty-nine (39) horizontal control stations shown on the Map Drawing. Thirty (30) of the stations are U. S. Coast and Geodetic Survey Triangulation Stations, and the remaining nine (9) are Massachusetts Geodetic Survey Traverse Stations. All of the horizontal control stations have been shown on the Map Drawing with full line 3.0 mm black acid ink triangles, except one, which has been shown by a dashed line black acid ink triangle, indicating that the station was identified on the photographs in accordance with the field inspection data; used satisfactorily to control the radial plot, but was recommended to be considered lost by the 1941 Field Inspection Sub-Party. A single asterisk identifies the name of the station which is to be found listed below:

The following twenty-nine (29) U. S. Coast and Geodetic Survey Triangulation Stations fall within the detail limits of the Map Drawing:

** ALDEN, 1923, r. 1934, r. 1941
BAKERS POND, 1887
BRESTER-ORLEANS 2, (W.M.) (BRESTER CORNER 3), 1887
BRESTER-ORLEANS 3, (BRESTER CORNER 1), 1887
BRESTER-ORLEANS 4, (BRESTER CORNER 5), 1887
DRUMMOND, 1902, r. 1933, r. 1941 (not used in plot)
EASTHAM CORNER 1, 1887
EASTHAM CORNER 2, 1887
EASTHAM-ORLEANS 1, (W.M.) (EASTHAM CORNER 7), 1887
EASTHAM-ORLEANS 2, (EASTHAM CORNER 8), 1887
EASTHAM-ORLEANS 5, (W.M.) (EASTHAM CORNER 3), 1887
FREEMAN, 1887, r. 1909, r. 1933, partial recovery in 1941
HERRING, 1933, r. 1941
MAYO, 1868
MAYO'S HOUSE, SOUTH CHIMNEY, 1868, r. 1909, r. 1941

** MILL HILL, 1835, r. 1933, r. 1941
MUNSARD CHIMNEY, 1909
NAUSET LIGHTHOUSE, 1932, r. 1933, r. 1936, r. 1941
NAUSET MOORS, SLO, 1933, r. 1941
NORTH EASTHAM, 1933, r. 1936, r. 1941
ORLEANS COAST GUARD STATION SIGNAL MAST, 1934, r. 1940, r. 1941
ORLEANS LIFE SAVING STATION, CUPOLA, 1886, probably destroyed, removed from manuscript copy
ORLEANS ORTHODOX CHURCH SPIRE, 1887, r. 1932, r. 1934, r. 1941

** POCHET, 1868, r. 1932, r. 1934, r. 1941
POCHET, HOUSE CHIMNEY, 1909
SAMPSON, 1868, r. 1941
SCRUB, 1887
SOUTH ORLEANS, C.E. RODGERS WATER TANK, 1934, r. 1940, r. 1941
WARNER, 1933, r. 1941

The following eight (8) Massachusetts Geodetic Survey Traverse Stations
fall within the detail limits of the Map Drawing:

111 AC, r. 1941
111 W, r. 1941
111 X, r. 1941

* 140 K, r. 1941
140 L, r. 1941
141 A, r. 1941
141 B, r. 1941
145 A, r. 1941

* Outside limits of sheet.

The following two (2) horizontal control stations fall just outside the detail limits of the Map Drawing:

One (1) U. S. Coast and Geodetic Survey Triangulation Station
Wellfleet, South Base, 1936, r. 1941.

One (1) Massachusetts Geodetic Survey Traverse Station
145 B, r. 1941.

** These stations are also Massachusetts Geodetic Survey Triangulation Stations.

27 RADIAL PLOT:

The average scale 1:10,000 of the photographs was determined by a scale plot laid in accordance with instructions. The Map Drawing Projection, which was drawn to the average scale of the photographs, was furnished by the Washington Office.

The photographs and the Map Drawing Projection were prepared in the usual manner. After careful examination of the available facilities on hand, it was decided to lay an individual plot for the area of the Survey by the radial method. Since no appreciable differential distortion was present in the photographs, the use of celluloid templates was unnecessary. The photographs were oriented directly under the Map Drawing Projection.

The field inspection data except as otherwise mentioned, the number of photographs, and the number of identified horizontal control stations recovered in 1940 and 1941 were adequate.

All of the horizontal control stations recovered in 1940 and 1941 were used satisfactorily to control the plot with the three following exceptions:

✓ "MAUSSET COAST GUARD SIGNAL MAST, 1933" - The Field Inspection Sub-Party identified a signal mast which was clearly visible on the photographs, as the station. However, the radial plot proved that...
the signal mast as identified was not the station. The mast has probably been relocated since 1933, although the Field Inspection Sub-Party did not furnish any data to that effect. The position of the mast as identified was determined by the radial plot and is 176 meters southwest of the 1933 position which has been deleted from the Map Drawing. A 2½ m.m. black acid ink circle accompanied by the name "Nauset Coast Guard Signal Mast" and the note "R.T.S." (Recoverable Topographic Station) have been shown on the Map Drawing for identification of the station. Form 524 has been submitted.

"EASTHAM TOWN HALL CUPOLA, 1933" - A no-check position was determined in 1933 for this object, but according to the Topographic Party of 1934, the no-check position was erroneous. The position of the station was plotted on the Map Drawing from geographic coordinates which were furnished by the Washington Office, and which are in accordance with the position of the station as determined by planable by the 1934 Topographic Party. The station could not be "held to" in the plot. The position of the signal mast was redetermined by radial intersection and found to be approximately 12.6 meters southeast of the position as determined in 1933. The 1934 position has been deleted from the Map Drawing and the redetermined position has been shown with a 2½ m.m. black acid circle accompanied by the name "Eastham Town Hall Cupola" and the note "R.T.S." (Recoverable Topographic Station). Form 524 has been submitted.

"DRUMMOND, 1902, r. 1933, r. 1941" - This station was recovered by the 1941 Field Inspection Sub-Party. However, there were no data furnished in order that the station could be identified on the photographs and, therefore, it could not be used to control the radial plot. The position and name of the station have been shown on the Map Drawing accompanied by the note "not used".

According to the radial plot, the temporary hydrographic station No. 111 - "Brick chimney near center of large end of prominent house on hill" as recommended by the Field Inspection Sub-Party is believed to be the U. S. Coast & Geodetic Survey Triangulation Intersection Station "POCKET HOUSE CHIMNEY, 1909". No data were available for this station except the geographic coordinates. In place of the recommended temporary hydrographic station, the position of the intersection station has been shown on the Map Drawing with the conventional triangulation symbol accompanied by the name.

Since there was no appreciable tilt in any of the photographs, the principal points (photograph centers) were used as the chief ray centers for all radials. Secondary points the positions of which were previously determined by radial plots laid for areas of adjoining Map Drawings, and which were common to Map Drawing Survey No. T-5735, were satisfactorily resorted. The relatively strong radially plotted positions of the selected secondary points were shown on the glossy side of the Map Drawing with small double purple ink circles, while the few relatively weak positions
were shown with small double green ink circles.

The positions of the photograph centers, which were determined by resection, have been shown on the glossy side of the Map Drawing with large double purple ink circles accompanied by the photograph numbers.

The results obtained from the radial plot were satisfactory, and it is believed that where the area of the Map Drawing is adequately covered by photography no difficulties will be encountered by the compiler of the Map Drawing in determining the radially plotted positions of minor detail points, hydrographic stations, etc.

REMARKS

In addition to the Triangulation Station "DRUMMOND, 1902" which has been previously mentioned, other horizontal control stations shown on the Map Drawing unaccompanied by either the note "r. 1940" or the note "r. 1941" were not used to control the radial plot, because no field inspection data were furnished.

Paragraph No. 27 respectfully
Submitted By:

Walter E. Schmidt
Aasst. Photogrammetric Eng.
The area of the Map Drawing has been compiled in accordance with instructions. The topographic features, etc., have been detailed from unmounted nine lens and single lens photographs, which have been supplemented by the field inspection data. Symbolization is in accordance with the recommended topographic symbols.

The field inspection data were adequate unless otherwise mentioned in the following paragraphs. The area was inadequately covered by photography. The flights of the photographs were not well distributed, and the number of photographs was inadequate in some portions of the area of the Map Drawing. Because of these inadequacies, many of the radially plotted positions of the minor detail points, temporary hydrographic stations, etc., could only be determined by either the intersection of two radials or by the intersection of radials the angular deviations of which were very small.

The relatively strong radially plotted positions of minor detail points, etc., have been shown on the glossy side of the Map Drawing with small single purple ink circles, while the relatively weak positions of such points have been shown with small green ink circles. Most of the relatively weak radially plotted positions of points are in the vicinity of Rock Harbor Creek and along both shores of Cape Cod as appear within the detail limits of the Map Drawing.

The water area of the Map Drawing consists of portions of Cape Cod Bay and the Atlantic Ocean, rivers, creeks, and interior ponds. Inshore from the storm-water line on the ocean and bay sides of Cape Cod are sand bluffs ranging in height from 10' to 60'. The land area consists mainly of wooded areas in which the coniferous and deciduous trees are the most prominent. In addition to the wooded areas, there are many cranberry bogs, swamps, salt marshes, sand dunes, a few small farms, and several villages. None of the villages could be considered congested urban districts of one square mile or more in area.

All buildings, except small outbuildings, where visible on the photographs unless noted by the Field Inspection Sub-Party as "gone", have been shown on the Map Drawing. The field inspection data pertaining to the location of new buildings within the area of the Map Drawing were inadequate and, therefore, the new buildings have not been shown.

All roads within the area of the Map Drawing, except trails, are to be considered 0.6 mm. wide unless otherwise noted.

A 22kv powerline of the Cape and Vineyard Electric Company has been detailed and shown on the Map Drawing as far north as the Town of Orleans. However, from other sources of information, it is known that the line extends farther northward. The line could not be detailed north of the Town
of Orleans because of inadequate field inspection data, and because the clearing for the line was not clearly visible on any of the photographs.

A list of abbreviations used in the compilation has been shown on the Map Drawing accompanied by explanatory notes.

30 MEAN HIGH-WATER LINE:

The Mean High-Water Line on the ocean side of Cape Cod is situated on the long stretches of sand beach. The entire shoreline along this side of Cape Cod is continually changing due to the weather elements.

The Mean High-Water Line on the bay side of Cape Cod is for the most part also situated on long stretches of sand beach. However, there are some portions of it which are bordered by marsh areas.

The Mean-High-Water Line of Nauset Harbor, Town Cove, and Pleasant Bay is for the most part bordered by either marsh or swamp areas.

The Mean High-Water Line as discussed above has been shown on the Map Drawing with a full heavy-weight black acid ink line, while the outer limits of bordering marsh and swamp areas have been shown with full light-weight black acid ink lines in conjunction with the conventional symbol. The note "swamp" has been lettered on the Map Drawing in all cases where it is pertinent.

The light-weight line is not the position of the Mean High-Water Line. It only indicates the outer limits of low wet land visible on the photographs. The above mentioned approximate limits of shoal areas are not the
position of low-water. They have been shown on the Map Drawing for use of the hydrographic party only.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

Offshore rocks and a wreck have been detailed in accordance with the field inspection data, and shown on the Map Drawing with the conventional symbols. The extent to which the rocks bare at M.H.W. or M.L.W. have been shown by notes on the Map Drawing.

Sand bars, shoal areas, and grass-in-water areas lying offshore from the M.H.W.L. have been previously discussed.

33 WHARVES AND SHORELINE STRUCTURES:

All piers, seawalls, bulkheads, marine railways, etc., which were identified by the Field Inspection Sub-Party have been detailed and shown on the Map Drawing with the conventional symbols accompanied by descriptive notes.

34 LANDMARKS AND AIDS TO NAVIGATION:

Six (6) landmarks and one (1) fixed aid to navigation lie within the detail limits of the Map Drawing.

One (1) new landmark, namely "Signal Mast" which is identical with the U. S. Coast and Geodetic Survey Triangulation Intersection Station "ORLEANS COAST GUARD, SIGNAL MAST, 1931", r. 1941, has been recommended by the 1941 Field Inspection Sub-Party. Form 567 has been submitted for this station.

The following three (3) charted landmarks the existence of which have been verified by the 1941 Field Inspection Sub-Party, and the positions of which have been previously determined by triangulation by the Bureau, can be identified on the Map Drawing by the note "Landmark".

- Nauset Beach Light ("NAUSET LIGHTHOUSE, 1932", r. 1941)
- Silo ("NAUSET MOORS SILO, 1935", r. 1941)
- Spire ("ORLEANS ORTHODOX CHURCH SPIRE, 1887", r. 1941)

The position of the charted landmark, namely "Nauset Coast Guard Signal Mast" has been redetermined by the radial plot, and Form 567 has been submitted. The details pertaining to this station have been previously discussed under side heading number 27.

The position of the charted landmark namely "cup" (Eastham Town Hall Cupola) has been redetermined by radial intersection and Form No. 567 has been submitted.
LANDMARKS AND AIDS TO NAVIGATION (Cont’d.)

One new fixed aid to navigation, namely "Light on three pilings" has been identified by the 1941 Field Inspection Sub-Party. The light has not been charted and, therefore, the position was determined by radial intersection and Form 567 has been submitted.

**Will not be charted, see review.**

HYDROGRAPHIC CONTROL:

The hydrographic control shown on the Map Drawing consists of thirty (30) Recoverable Topographic Stations, and one hundred seventy (170) temporary Hydrographic stations, all the positions of which have been determined by the radial plot except for one temporary Hydrographic station which was proved by the radial plot to be the U.S. Coast and Geodetic Survey Triangulation Intersection Station "POCHET HOUSE CHIMNEY, 1909". Five (5) of the Recoverable Topographic Stations are also tidal bench marks. The positions of the stations as determined by the radial plot have been shown on the dull side of the Map Drawing with 2½ mm. black acid ink circles. The tidal bench marks can be identified on the Map Drawing by a black acid ink cross.

The numbers, if any, as assigned to the Recoverable Topographic Stations by the Field Inspection Sub-Party, and the names as selected by this Compilation Office of such station, have been shown on the Map Drawing accompanied by the note "R.T.S." (Recoverable Topographic Station). The numbers of the temporary Hydrographic Stations as assigned by the Field Inspection Sub-Party, and the elevations of the tidal bench marks, have also been shown on the Map Drawing.

The numbers, names, and descriptions of the Recoverable Topographic Stations, and the numbers and descriptions of the temporary Hydrographic Stations have been tabulated in a list which is submitted herein.

Form 524 has been submitted for the following thirty (30) Recoverable Topographic Stations:

<table>
<thead>
<tr>
<th>Number</th>
<th>Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>Flagstaff</td>
</tr>
<tr>
<td>85</td>
<td>Flagstaff</td>
</tr>
<tr>
<td>89</td>
<td>Brick chimney near center house</td>
</tr>
<tr>
<td>94</td>
<td>Windmill tower</td>
</tr>
<tr>
<td>101</td>
<td>Tall on north gable house</td>
</tr>
<tr>
<td>119</td>
<td>Brick chimney near center of brown house</td>
</tr>
<tr>
<td>122</td>
<td>W. gable large white house</td>
</tr>
<tr>
<td>134</td>
<td>Chimney easterly of 2 brick</td>
</tr>
<tr>
<td>147</td>
<td>Tank, water</td>
</tr>
<tr>
<td>149</td>
<td>Brick chimney on small house</td>
</tr>
<tr>
<td>166</td>
<td>Cupola on &quot;Orleans Inn&quot;</td>
</tr>
<tr>
<td>178</td>
<td>Light on three pilings (also a fixed aid to navigation) Nov. 1938</td>
</tr>
</tbody>
</table>
35 HYDROGRAPHIC CONTROL (Cont’d.)

<table>
<thead>
<tr>
<th>Number</th>
<th>Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>183</td>
<td>Center of white house</td>
</tr>
<tr>
<td>205</td>
<td>Westerly chimney on large grey house</td>
</tr>
<tr>
<td>211</td>
<td>Large brick chimney</td>
</tr>
<tr>
<td>219</td>
<td>Chimney on low yellow house</td>
</tr>
<tr>
<td>223</td>
<td>Chimney N.W. side of dark brown house</td>
</tr>
</tbody>
</table>

Eastham Town Hall Cupola (Landmark)
T.B.M. No. I, 1887, (Hauset Harbor Entrance)
T.B.M. No. II, 1887, (Hauset Harbor Entrance)
T.B.M. No. VII, (M.G.S.), 1936, (Hauset Beach Beacons)
T.B.M. No. VIII, 1888, (Hauset Beach Beacons)
T.B.M. No. X, 1888, (Hauset Beach Beacons)
Tank, Water, (Hauset Moors)
Spire, (South Orleans Protestant Episcopal Church)
Spire, (Orleans Methodist Church)
Tank, Water, (Mayo’s Duck Farm)
Tower, Lookout, (Hauset Coast Guard Station)
Hauset Coast Guard Signal Mast (Landmark)
Windmill, (East Orleans)

37 JUNCTIONS:

Satisfactory junction of the shore line and interior detailed planimetry was made with Map Drawing Survey No. T-5734.

Since Map Drawing Survey No. T-5736, to the south has not yet been compiled, the junction will be made at a later date and will be discussed in the Descriptive Report for Map Drawing Survey No. T-5736.

There are no contemporary surveys to the east or west.

38 CABLE CROSSING AREAS:

No cable crossing areas have been shown on the Map Drawing. However, the Field Inspection Sub-Party of 1941 indicates that a telephone line crosses Nauset Bay from the vicinity of Latitude 41° 48' 30" and Longitude 69° 56' 17", but no field inspection data were submitted showing the actual location of the cable crossing. The note "Coast Guard Telephone Line crosses Bay here by underwater cable" has been shown on the Map Drawing accompanied by a black acid ink dot marking the location as indicated by the Field Inspection Sub-Party.

Only one end of the cable was located so the cable crossing could not be shown on the map manuscript and is not shown on the published map.

J.R. 12/26/46
RECOMMENDATIONS FOR FUTURE SURVEYS:

The compilation of the Map Drawing is believed to be complete in all details of importance, and no additional surveys are recommended. The probable error in the positions of minor detail points and of details of importance is believed to be within the limits of satisfactory accuracy except for the weak areas as discussed under side heading No. 28. The probable error in the positions of minor detail points and of details of importance in the weak areas is believed not to exceed 1.0 mm. in longitude and 1.5 mm. in latitude.

GEOGRAPHIC NAMES:

A complete geographic name investigation was made of the area of the Map Drawing by Lieut. E. B. Lewey in 1911. The data obtained from the investigation was submitted to this Compilation Office. The names shown on the Map Drawing are in accordance with the field inspection data.

The names appearing on the Map Drawing have been alphabetically compiled in two lists (disputed and undisputed) and submitted herein.

ROAD AND STREET NAMES:

The road and street names shown on the Map Drawing have been alphabetically compiled in a list and submitted herein. They have been taken from the town plats of Orleans and Eastham, dated 1937, and 1936, respectively.

COMPARISON WITH EXISTING QUADRANGLES:


Because of the large difference in scale between the Map Drawing and the above-mentioned quadrangle, small planimetric details could not be readily compared. However, the following differences were apparent:

Numerous roads and buildings, as shown on the Map Drawing, do not appear on the quadrangle.

*The Cape and Vineyard Power Company 22 kv power line, as shown on the Map Drawing, does not appear on the quadrangle.

The N.Y., N.H., & H. Railroad as shown on the Map Drawing appears as the "Old Colony Railroad, Cape Cod Division on the quadrangle."
COMPARISON WITH EXISTING QUADRANGLES (Cont'd.)

* The shore line as shown on the Map Drawing is in general disagree-
ment with the shore line as it appears on the quadrangle.

* Pilgrim Lake and Pawwah Pond as shown on the Map Drawing do not
appear on the quadrangle.

* In general the shapes of the interior ponds as shown on the Map
Drawing are in disagreement with the shapes appearing on the quadrangle.

* A wreck offshore as shown on the Map Drawing at approximately
Latitude 41° 13' 25" and Longitude 69° 56' 25" does not appear on the
quadrangle.

Numerous sand bars are shown on the Map Drawing that do not appear
on the quadrangle.

Three beacons which appear on the quadrangle at Latitude 41° 51' 36"
and Longitude 69° 57' 05" have not been shown on the Map Drawing because
they were not identified by the 1941 Field Inspection Sub-Party.

None of the tidal bench marks as shown on the Map Drawing appear on
the quadrangle.

* These differences also apply to Chart No. 1203 to be discussed
under side heading No. 45, "Comparison with Nautical Charts".

COMPARISON WITH NAUTICAL CHARTS: See Review

Chart No. 581, scale 1:40,000, published March 1936, reissued August
1939, corrected to June 6, 1941.

Because of the difference in scale between the Map Drawing and the
above-mentioned Chart, small planimetric details could not be readily
compared. However, the following differences were apparent.

"Bridge Pond" and "Widow Harding Pond", both of which lie southwest
of "Great Pond", an unnamed "Pond" and "Depot Pond", both of which lie
east of "Great Pond", and three unnamed ponds approximately one-half to
two-thirds of a mile north of "Great Pond", all of which have been
shown on the Map Drawing do not appear on the Chart.

Numerous roads and buildings as shown on the Map Drawing do not appear
on the Chart.

The fixed aid to navigation, the number and name of which is No. 176
"Light on Three Pilings" as shown on the Map Drawing at approximately
45 COMPARISON WITH NAUTICAL CHARTS (Cont'd.)

Latitude 41° 40' 00" and Longitude 70° 00' 33" does not appear on the Chart.

Sand bluffs as shown on the Map Drawing along the shore line of Cape Cod Bay do not appear on the chart.

The shore line along Cape Cod Bay as shown on the Map Drawing does not agree with that appearing on the chart.

The limits of the marsh areas as shown on the Map Drawing are in disagreement with those appearing on the chart.

Chart No. 1208, scale 1:80,000, published November 1936, reissued July 1938, corrected to May 17, 1940.

Because of the large difference in scale between the Map Drawing and the above mentioned Chart, small planimetric details could not be readily compared. However, the following differences were apparent:

All differences as noted for Chart No. 581 apply to Chart No. 1208 except that "Depot Pond" appears on Chart No. 1208.

All differences indicated by an asterisk under side heading No. 44, "Comparison with Existing Quadrangles" also apply to Chart No. 1208.

Nauset Coast Guard Signal Mast as shown on the Map Drawing is in a different position from that appearing on the Chart. (W.B) refer to side heading No. 27 for a further discussion of this station.

45A COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS:

Topographic Survey No. T-6112, scale 1:10,000, surveyed in 1934. (See notes.)

U. S. Coast and Geodetic Survey Triangulation Station "Carey 1933" appearing on the Topographic Survey has not been shown on the Map Drawing, because the 1941 Field Inspection Sub-Party recommended this station to be considered as lost.

U. S. Coast and Geodetic Survey Triangulation Station "Nauset Life Saving Cupola 1933" appearing on the Topographic Survey has not been shown on the Map Drawing because it was not recovered by the 1941 Field Inspection Sub-Party, and the station could not be identified on any of the photographs. It is believed that the object which was the station no longer exists. Air Photo compilation proved that the Coast Guard Station in the same locality has been moved farther inland.

In general the planimetry as shown on the Map Drawing is in disagreement with that appearing on the Topographic Survey. It is recommended that the Map Drawing supersedes the Topographic Survey, in as much as this is a notably changeable area.
Respectfully submitted,

[Signature]
Ada May Hobbs
Asst. Photogrammetric Aid

Compilation & Descriptive Report Reviewed by:

[Signature]
Harry R. Rudolph
Sr. Photogrammetric Aid

Supervised by:

[Signature]
Walter E. Schmidt
Asst. Photogrammetric Eng.

Approved & Forwarded:

[Signature]
Fred L. Psacok
Chief, Air Photographic Party No. 2
Baltimore, Maryland
LIST OF GEOGRAPHIC NAMES

Undisputed

✓ Areys Pond
✓ Atlantic Ocean
✓ Baker Pond
✓ Barley Neck
✓ Boland Pond
✓ Bridge Pond
✓ Broad Creek
✓ Cape Cod Bay
✓ Cedar Pond
✓ Chow Yoga Corner (not recommended)
✓ Crystal Lake
✓ Depot Pond
✓ East Orleans Village
✓ Frost Fish Cove
✓ Great Pond
✓ Goulds Ponds
✓ Herring Pond
✓ Herring River
✓ Hog Island
✓ Hog Island Creek
✓ Hopkins Island
✓ Jos House Pond
✓ Judmis Pond
✓ Kessayegansett Pond
✓ Kingsbury Beach
✓ Little Pleasant Bay
✓ Little Pocasset Island
✓ Little Namskaket
✓ Lucy's Point
✓ Meeting House Pond
✓ Methodist Camp Grounds
✓ Minot Pond
✓ Minot Point
✓ Mill Hill
✓ Mill Pond
✓ Molle Pond
✓ Namequoit Point
✓ Namequoit River
✓ Namskaket Village
✓ Namskaket Creek
✓ Nauset Bay
✓ Nauset Beach
✓ Nauset Harbor
✓ Nauset Heights
✓ Old Field Point

✓ Orleans Village
✓ Pawwah Pond
✓ Pilgrim Lake
✓ Pocasset Island
✓ Pocasset Neck
✓ Rachel Cove
✓ Rock Creek Harbor
✓ Rock Harbor Village
✓ Salt Pond
✓ Sampson Island
✓ South Orleans Village
✓ Snows Point
✓ Stony Island
✓ Smith Heights Village
✓ Thumpertown Beach
✓ Town Cove
✓ Tonset Village
✓ The River
✓ West Brook (Village)
✓ Woods Cove
✓ Herring Brook (stream - compilation)
✓ Campground Landing
✓ First Encounter Beach
✓ Rocky Point
✓ Orleans Beach (part of Nauset)
✓ Money Head
✓ Uncle Harvey Pond
✓ Vespers Pond
✓ Owl Pond
✓ Eel Pond
✓ Eldridge Park

Names preceded by ✓ are approved, as modified in some instances. See marked copy of U.S.G.S. "Orleans" 1945.7/29past.
L.H. /1/1/46
LIST OF GEOGRAPHIC NAMES

(Disputed)

✓ Boat Meadow River ✓
✓ Eastham (Village) ✓
✓ Higgins Pond ✓
✓ Little Cliff Pond ✓
✓ Muddy Pond ✓
✓ Nauset C. G. S.S. ✓

✓ Nauset Beach Light ✓
✓ N.Y., N.H., & H. Railroad ✓
✓ North Eastham ✓
✓ Orleans Coast Guard ✓
✓ Rock Harbor Creek ✓

Boat Meadow Creek
Eastham Centre (Village)
Little Cliff Pond
Long Pond
Mud Pond
(Nauset Beach No. 40
(Nauset Beach L.S.S.
Nauset Light
Old Colony Railroad Cape Cod Division
Hastings
(Orleans Beach C. G. No. 40
(Orleans Beach L.S.S.
Rock Creek

Names underlined in red approved
by L. Heck on 1/14/46
ROAD AND STREET NAMES

- Barley Neck Road
- Beach Road
- Brackett Road
- Bridge Road
- Cable Road
- Camp Ground Road
- Doane Road
- Governor Fence Road
  Harbor Road
- Harwich Road
- Herring Brook Road
- Hopkins Lane
- Kingsbury Beach Road
- Main Street
- Massasoit Road
- Meeting House Road
- Monument Road
- Namequoit Road
- Nauset Road
- Patawmatic Road
- Pond Street
- Quanset Road
- Samoset Road
- School House Road
- Skaket Road
- State Highway Route No. 28
- Tonset Road
- U. S. Highway Route No. 6.

Names preceded by * are approved.
See marked copy of U.S. G.S. "Orleans"
1945 7½' quad.

H. H. 11/19/46

Prece (early colonial governor of
P= Main St on US 6 Quad

? Orchard Road on US 6 Quad

Chatham Road
List of the Names, Numbers, and Description of the Recoverable Topographic Stations, and the Numbers and Descriptions of the Temporary Hydrographic Stations appearing on Map Drawing Survey No. T-5755

Number of Temporary Hydrographic Stations 170
Number of Recoverable Topographic Stations 30
Total Number of Stations 200

Listed By: Ada May Hobino

Checked By: Harry R. Rudolph

Harry R. Rudolph
LIST OF RECOVERABLE TOPOGRAPHIC STATIONS AND TEMPORARY
HYDROGRAPHIC SIGNALS

1. Red Chimney on green roof.
2. Center: of three red doors of small bath house on beach.
3. Boathouse on beach, red doors and green roof.
4. N. gable boathouse.
5. Windmill W. of house in clearing.
6. Flagpole at Viking Camp.
7. White rock in grass.
8. Brick chimney n gable grey shingled shack on point.
9. Large white rock in grass.
10. S.W. gable small green house with white windows.
11. Cedar tree.
12. Center of small red top shack.
14. S. gable boathouse.
15. S.W. gable of larger of two houses.
16. Large rock at edge bank.
17. E. gable on S'ly and higher of two boathouses.
18. Chimney on grey shingled house.
19. Lone, low pine.
20. Center of float end of wharf.
22. S'ly of a row of small pines on grassy point.
23. White rock at edge grass, pointed and in front of a large rock at edge trees.
24. Large and prominent white rock beneath slide.
25. SW'ly of three chimneys on prominent white house.
26. E'ly of several white rocks in grass.
27. Two small lone pines.
29. Brick chimney center of small yellow house with grey roof.
30. E'ly of two brick chimneys on old shingled house.
31. Small stack center small house at edge of clearing.
32. Lone fir at N.W. corner of swamp.
33. N. gable of old boathouse.
34. Ornament on W. gable small house on hill in pines.
35. N.W. corner boathouse at inner end wharf.
36. Tackle on E. gable boathouse on point.
37. Chimney in center shingled house with grey roof.
38. Chimney near center of grey shingled cottage with white fence on S. side.
39. Chimney near center prominent house on point.
40. N. gable boathed.
41. E. gable old house at edge of swamp.
42. E. gable small shed top of which is level with bluff.
78. E'ly chimney on S'ly of two large houses.
79. Ornament in center of boathouse.
80. N. gable new shingled boathouse, another just to E.
81. N. end of remains of boathed.
82. Brick chimney N.W. side old shingled house at end of small wharf.
83. N.W. corner of shingled house at W. edge clump of deciduous trees.
84. S.E. gable small boathouse.
85. "Flagstaff", located approximately 220 meters southeast of East Orleans Post Office and approximately 1/40 meters north of Meeting House Pond. Recoverable Topographic Station.
86. S.W. gable boathouse.
87. White fence post at intersection of path and stone wall.
88. Center of small old shack at edge swamp and trees.
89. "Brick chimney near center house" on point--slate roof, located on the east side of "The River", East of Frost Fish Cove. Recoverable Topographic Station.
90. S.E. gable boat house in cove.
91. Large fir at S.W. corner swamp and S. end grass bank.
92. Largest of group of rocks in water--about 3' above MHW.
93. Brick chimney in center S. wing of grey shingled house on point.
95. Lone pine at turn in road on point.
96. Stone chimney on N.E. corner low house on hill.
97. Pointed white rock at E. end strip of marsh grass, about 5' above MHW.
98. N.W. gable boathouse in cut (a smaller one to N.)
99. Concrete chimney center small grey house on hill.
100. Brick chimney N.W. corner house on point.
101. "Ball on N. gable house" on bluff, on the west shore of Pochet Island, approximately 780 meters N.E. of U. S. Coast and Geodetic Station "Orleans Coast Guard Station Signal Mast 1934, r.1944". Recoverable Topographic Station.
102. Large flat white rock at inner edge grass.
103. White rock at wide spot in road--at foot bank.
104. S. gable small house near beach--flagpole and garage behind.
105. Flagpole near center large grey shingled house on hill.
106. Brick chimney near center small dark house with white windows.
107. White rock in grass.
108. White rock at edge road and just S.W. of a lone pine.
109. Small tarpaper shack at foot of bank and in cut.
110. Brick chimney near center large end prominent house on hill (same as triangulation station "Pochet House Chimney, 1909").
111. Brick chimney center of dark shingled house with white porch on N.W. corner--the W'ly of the houses on the point.
112. White chimney black top on grey shingled house on hill.
113. Small brick chimney near S.E. gable large grey shingled house with dormers.
114. S'ly of two red brick chimneys on house on point--most E'ly of houses on point.
115. Flagpole at bathing beach.
117. Small red chimney near W. gable old house.
118. Small red brick chimney near W. gable grey house on beach.
119. "Brick chimney near center of brown house" with yellow trimmings on the east shore of Cape Cod at Nauset Beach, approximately 550 meters south of the entrance to Nauset Harbor. Recoverable Topographic Station.
120. S. gable large house on hill—S'ly of a group with flagpole in front.
121. Windmill over w.t. on bluff.
122. Brick chimney in center dark shingled house on bluff—W'ly of houses.
123. N. gable boathouse (Coast Guard) on beach, white with red roof.
124. Small low white rock in grass.
125. Pointed white rock on point.
126. "W. Gable large white house" in trees, on east shore of Mill Pond. Recoverable Topographic Station.
127. E. gable low tarpaper covered shack at foot of bank.
128. Small white rock in grass and just N. of two pines.
129. Large white boulder on point.
130. Small white rock just N. of road coming into cove.
131. Large grey boulder about 6' high.
132. Very small house in cove.
133. Brick chimney center grey shingled house with two dormers.
134. "Chimney, easterly of two Brick", on large white house in trees on hill. (At Mayo's Duck Farm approximately 650 meters west of Nauset Beach. Recoverable Topographic Station.)
135. Brick chimney near center of house with three dormers—SE'ly of row of houses.
136. Brick chimney in center dark shingled house with porch around S. side.
137. S.E. gable old white house on point.
138. SE'ly of two large brick chimneys on large shingled house—small white house in front.
139. Small brick chimney in center of grey shingled house.
140. Huge grey boulder at WNW Line.
141. Flagpole in front grey shingled house (a small dark shade under bank and in front of flagpole).
142. Brick chimney on low grey house on point (on N.E. side).
143. Large pointed white rock on beach.
144. End of stone fence head of bight.
145. End of stone fence on N. side of bight.
146. Cupola on barn.
147. "Tank Water" behind house in scrubs on point, on the west shore of Town Cove, approximately 550 meters north of Hopkins Island. Recoverable Topographic Station.
148. White rock in grass on point and on top of bank (S. side entrance to Town Cove).
149. "Brick chimney on small house", grey with red roof, on the south shore of Town Cove, approximately 350 meters west of Stony Island. Recoverable Topographic Station.
150. W. gable house E'ly of a row of houses.
151. Chimney on small cottage on N.E. end of bluff and S.W. of a row of houses on bluff to N.E.
152. Deciduous brush on point and at foot of bluff to N. of small swamp.
153. Small window in S. gable small yellow house in trees.
154. Largest and approximately center of a group of white rocks just to E. of point.
155. W'ly of two pines approximately in center of island.
156. S'ly of two small spruces in light and S. of a clump of brush.
157. S.W. gable small grey house close to water—to W. of a house in clump of trees on point.
158. N.W. gable brown shingled house on top bluff.
159. Framework for windmill over W.T. back of two houses on top bluff.
160. Brick chimney on grey house—house is to the E. of a group of houses and W. of a cleared field.
161. W. gable small boathouse, grey with red roof and green door.
162. Cupola on barn.
163. Brick chimney small grey shack, W'ly of a row of houses.
164. Chimney on brown house, E'ly of a row of brown houses.
165. S.E. gable old shack with grey roof—in front barn with cupola.
166. "Cupola" on "Orleans Inn" on the west shore of Town Cove, approximately 2/3 mile north of Orleans (Village). Recoverable Topographic Station.
167. Chimney center white house—flagpole to E.
168. Small brick chimney in center small grey house nearest water.
169. Chimney in center grey two-story house.
170. Brick chimney near S.W. gable large dark house on bluff.
171. Ornament on outer gable boathouse—grey and center of three buildings.
173. Twin windows in N.W. gable grey shingled house—red roofed porch beneath windows.
174. N.W. gable brown shingled house.
175. White brick chimney on E. wing large white house—clump trees covers W. wing.
177. Large rock 3' above M.N.W.
178. Brick chimney on S. side small white house—another white house to N.E.
179. Stack on S.E. corner low grey house.
180. G.I. pipe 4' high at S.W. corner of ruins.
181. "Center of White House" on S. end of knoll, on the north side of Boat Meadow River, approximately 1/4 mile from its mouth. Recoverable Topographic Station.
182. Larger and W'ly of two brick chimneys on prominent stucco building.
183. N. gable—white house with red roof, atop grass bluff.
184. High point grass covered knoll to S. of a cut through bluff—marked by a 2' x 3' stake 4' in ground and 1' above.
185. Largest of four brick chimneys of house beneath dunes (does not show well to seaward).
189. White post and box at N. edge cut through sand bluff (Coast Guard Telephone Station).

190. Lookout tower (small and low) on building—below grass bluff to S. of a gray building with two brick chimneys.

191. Highest point sharp sand knoll—grass covered and highest in vicinity—Marked by 1" x 4" stake 4' in ground and 6" above surface.

192. S. gable small shingled house most S'ly of a group of houses—does not show to seaward.

193. Highest point most S'ly knoll on point—equidistant from end of telephone line and small white house with red roof—marked by 1" x 4" stake 3' in ground and 6" above.

194. Small white house with red roof—does not show to seaward.

195. Brick chimney center grey shingled house on bluff—N'ly of group of houses here.

196. Brick chimney center dark grey house on hill—to S.W. is another house on same hill.

197. Large white square boulder at edge grass and foot bank—5' high.

198. Large white boulder on point in grass under bank.

199. White chimney black top on E. gable large house on bluff and to N. of pine grove.

200. S.E. corner grey house on beach.

201. Larger of two firs on bank.

202. W. gable small brown house—another one to N.

203. E. gable grey boathouse—smaller one to N.

204. Chimney center large house on hill.

205. "W'ly chimney on large grey house" on hill—W'ly of two houses, approximately 130 meters east of Salt Pond. Recoverable Topographic Station.

206. Small lone pine at N. side inlet and W. edge patch brush.

207. Deciduous brush in center of slide.

208. E. gable boathouse.

209. S. gable small house close to water.

210. White rock on point.

211. "Large brick chimney" near center large dark odd-shaped house, located on the west shore of Nauset Bay, approximately 1/2 mile southeast of Eastham (Village). Recoverable Topographic Station.

212. Deciduous brush S. side of height—to N. of smaller and darker brush on bank.

213. Large boulder at edge water—another one to S. and smaller one to N. in water.

214. Large round grey boulder at W. edge marsh—about 9' high.

215. Large grey boulder in field.

216. Rock monument 5' high on S. end of high land immediately N. of Herring River.

217. Brick chimney N. side S'ly of two houses on bluff.


219. "Chimney on back low yellow house"—only yellow house in settlement—S'ly of the houses close to water on the east shore of Cape Cod Bay, approximately 800 meters west of Great Pond and 7/8 mile north of U. S. Coast & Geodetic Survey Triangulation Station, "Herring, 1933 r. 1941." Recoverable Topographic Station.
220. White chimney black top center grey shingled house-N'ly of houses in settlement and about 100 meters from beach.
221. S'ly wooden post across road at edge of bank.
222. Brick chimney west end long grey house with red roof—small shack to S. and several houses behind and to N.
223. "Chimney N.W. side of dark brown house" on bluff-N'ly of houses in North Eastham, located on the east shore of Cape Cod Bay, approximately 70 meters north of U.S. Coast & Geodetic Survey Triangulation station, "NORTH EASTHAM 1933", r. 1936, r. 1941. Recoverable Topographic Station.
229. White chimney center grey shingled house on bluff—small flagpole in front.

"Windmill, East Orleans"—Located approximately 240 meters southeast of East Orleans Post Office, and approximately 150 meters north of Meeting House Pond. Recoverable Topographic Station.

"Spire, Orleans Methodist Church"—On northwest corner Orleans Methodist Church, located in the village of Orleans on the south side of Main St., and the east side of State Highway Route No. 28. Recoverable Topographic Station.

"Spire, South Orleans Protestant Episcopal Church"—Located along State Highway Route No. 28, approximately 3 miles north of South Orleans, and west of Pilgrim Lake. Recoverable Topographic Station.

"Tower, lookout, Nauset Coast Guard Station"—Center of main building Nauset Coast Guard Station, located near the east shore of Cape Cod, approximately 1 mile south of U.S. Coast & Geodetic Survey triangulation station, "NAUSET LIGHTHOUSE, 1932", r. 1936, r. 1941. Recoverable Topographic Station.

"Eastham Town Hall Cupola", center west side, in the Village of Eastham on the east side of U.S. Highway Route No. 6. Recoverable Topographic Station. (Landmark)

"Tank, Water, Nauset Moors", white wooden/tower about 30 feet, approximately 820 meters inshore from the eastern Shore of Cape Cod, and 36 meters southwest of U.S. Coast and Geodetic Survey Triangulation Station "Nauset Moors, Silo, 1933, r. 1941". Recoverable Topographic Station.

"Tank, Water, Mayo's Duck Farm", about 30 ft. high at Mayo's Duck Farm, approximately 855 meters west of Nauset Beach and 670 meters southeast of Mill Pond. Recoverable Topographic Station.

"Tidal Bench Mark No. 1, 1887". Nauset Harbor Entrance, Cape Cod — Elevation: 11.53 ft. above mean low water; 8.53 ft. above half tide level; 5.53 ft. above mean high water. Original description reported adequate by the 1941 Field Inspection Party. Recoverable Topographic Station.
"Tidal Bench Mark No. II, 1887". Nauset Harbor Entrance, Cape Cod. Elevation: 28.46 ft. above mean low water; 25.46 ft. above half tide level; 22.46 ft. above mean high water. Original description reported adequate by the 1941 Field Inspection Party. Recoverable Topographic Station.

"Tidal Bench Mark No. VII, (1936)(MGS)". Nauset Beach Beacons, Cape Cod. Elevation: 63.64 ft. above mean sea level. Original description reported adequate by the 1941 Field Inspection Party. Recoverable Topographic Station.

"Tidal Bench Mark No. VIII, 1888". Nauset Beach Beacons, Cape Cod. Elevations: 74.54 ft. above mean low-water; 71.25 ft. above half tide level; 67.96 ft. above mean high-water. Original description reported adequate by the 1941 Field Inspection Sub-Party, except the granite post is now 12 inches above ground instead of 6 inches. Recoverable Topographic Station.

"Tidal Bench Mark No. X, 1888". Nauset Beach Beacons, Cape Cod. Elevations: 70.96 ft. above mean low-water; 68.79 ft. above half tide level; 63.50 ft. above mean high-water. Original description reported adequate by the 1941 Field Inspection Sub-Party. Recoverable Topographic Station.

"Nauset Coast Guard Signal Mast". The station is the signal mast at the Nauset Coast Guard Station which is located near the east shore of Cape Cod, and north of Nauset Bay, approximately 1 mile south of U.S. Coast & Geodetic Survey triangulation station "NAUSET LIGHTHOUSE, 1932", r. 1933, r. 1936, r. 1941. Recoverable Topographic Station. (Landmark)

187 Brick chimney on small grey house just under high grass covered sand dune.

102 S.W. Gable of boathouse.
Field Inspection and Detailing.

Many of the roads have been reclassified during the review and after comparison with the 1941 U. S. Geological Survey quadrangle of this area.

Mean High Water Line.

No exact date of location can be stated for all of the mean high water line on this map. The nine-lens photographs were taken in July 1938. There was a severe hurricane in September 1938 which did considerable damage in this area. The single-lens photographs were taken in November 1938. Apparently, the shoreline was compiled from the photographs taken in November 1938, but with field inspection changes to show the high water line in the more changeable areas approximately as it existed at the date of field inspection, which in turn was carried out from the spring of 1940 until the summer of 1941. In summary, in the more changeable areas, the high water line is of November 1938; but in the changeable areas, it is shown as it existed when field inspected.

Comparison with Previous Topographic Surveys.

T-5735 supersedes the following older surveys over the common area:

T-368 (1851) 1:10,000 and T-579 (1856) 1:10,000. Both of these surveys show considerable differences in both shoreline and interior detail. Superseded except for the contours.

T-1077 (1868) 1:10,000. Erosion, tidal action, and storms have caused the shore to recede an average of 110 meters. An exception to this is found at latitude 41°47.8', longitude 69°56.2' where the shore has been built up so that the sand spit extends about 350 meters farther out now. Most of the other shoreline not fronting on the ocean has changed very little. This survey is superseded except for the contours.

T-1704 (1886) 1:10,000. Same comments as above except that shore along ocean has receded only 50 meters on an average.
T-1077a (1909) 1:10,000. There is fair agreement with most of the shoreline. The sand spits north and south of the entrance to Nauset Harbor have changed considerably, as much as 350 meters. There have been many changes in the interior since this survey was made. Superseded except for the contours.

T-6112 (1934) 1:20,000. North of latitude 41°49' the shore lines are in remarkably good agreement. South of this there is apparently considerable disagreement. It is only apparent however. The differences are largely due to interpretation and to use of different symbols for marshy areas along the shoreline. There probably have been some changes during the time between the two surveys. Therefore, this survey supersedes T-6112 except for the grass in water areas and the two rocks awash at latitude 41°47.9', longitude 70°00.9'.

Comparison with Nautical Charts.-

The absence of notes in the fly leaf of the report indicates that T-5735 had not been applied to the charts at the date of this review.

Reviewed by Jack L. Rihn under the direction of D. H. Benson, February 1945.

Review report prepared by B. G. Jones from reviewer's notes, December 1946.

APPROVED BY:

[Signature]
Technical Asst. to the Chief, Nautical Chart Br.
Chief, Div. of Photogrammetry Division of Charts

[Signature]
Chief, Div. of Photogrammetry Chief, Div. of Coastal Surveys