

5735

5735

Form 504

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

1944

CHIEF OF PARTY

Fred. L. Peacock

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DATE _____

Applied to chart 581 (4/21-9/24/45)

" " new chart 270 LAM Oct 1958

DATA RECORD

T- 5735

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- (VI)

Completed survey received in office:

3/17/44

Reported to Nautical Chart Section:

4/26/44

Reviewed: 2/19/45

Applied to chart No.

Date:

Redrafting Completed:

5/30/45

Registered: 1/2/46

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.: $41^{\circ} 47' 40.532''$ $1250.5m$ Long.: $70^{\circ} 00' 05.177''$ $119.5m$ Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

x = 1, 008, 631.69 ft.

y = 293, 134.82 ft.

Military Grid Zone (VI)

Not shown

PHOTOGRAPHS (III)
(Unmounted)

Number	Date	Time	Scale	Stage of Tide
*4-222 to 4-226, Incl.	11/21/38	10:31 A.M.	1:10,000	10.9' Above M.L.W.
**5-16 to 5-18, Inclusive	11/21/38	10:54 A.M.	1:10,000	3.7' Above M.L.W.
***2417 to 2422, Inclusive	7/16/38	12:26 P.M.	1:10,000	4.1' Above M.L.W.
**2417	7/16/38	12:26 P.M.	1:10,000	1.7' Above M.L.W.

Tide from (III): Predicted tide tables for Boston, Mass., with corrections to
*Wellfleet; **Pleasant Bay; ***Nauset 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 8 1/4") 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: (Season's Field Inspection date: Spring, 1940
Lieut. (j.g.) Fred. Natella Report to be submitted with Com- Summer, 1941
Lieut. E. B. Lewey (pilation Report for Map Drawing
Field Edit by: (Survey No. T-5736) date: Above report not available; not submitted with T-5736.

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.

See review of back.

Projection and Grids ruled by (III) John C. O'Neill date: 3/20/43
" " " checked by: John C. O'Neill date: 3/20/43
Control plotted by: John P. Kubasco date: 4/18, 19/43
Control checked by: Charles C. Tropp date: 4/22/43
Radial Plot by: W. E. Schmidt date: 6/43
Detailed by: Ada May Hobine - Shoreline and interior - rough draft date: December 1943
Reviewed in compilation office by: Harry R. Rudolph date: January 1944
Elevations on Field Edit Sheet checked by: date: February 1944
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 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 "POCHET HOUSE CHIMNEY, 1909".
(Shown by Δ and not as \odot ~~Hydro~~ Hydro signal)

26 CONTROL:

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:

*** also MGS stations*

- ** ALDEN, 1933, r. 1934, r. 1941
- BAKERS POND, 1887
- BREWSTER-ORLEANS 2 (W.M.) (BREWSTER CORNER 3), 1887
- BREWSTER-ORLEANS 3 (BREWSTER CORNER 4), 1887
- BREWSTER-ORLEANS 4 (BREWSTER 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
- destroyed (removed) ** 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. 1934
- MUNSARD CHIMNEY, 1909
- NAUSET LIGHTHOUSE, 1932, r. 1933, r. 1936, r. 1941
- NAUSET MOORS, SILO, 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, see review*
- ORLEANS ORTHODOX CHURCH SPIRE, 1887, r. 1932, r. 1934, r. 1941
- ** POCHET, 1868, r. 1932, r. 1933, r. 1934, r. 1941
- POCHET, HOUSE CHIMNEY, 1909
- SAMPSON, 1868, r. 1940
- SCRUB, 1887
- SOUTH ORLEANS, C.E. RODGERS WATER TANK, 1934, r. 1940, r. 1941
- WARNER, 1933, r. 1941

The following ¹³~~eight (8)~~ Massachusetts Geodetic Survey Traverse Stations

fall within the detail limits of the Map Drawing:

111 AC, r. 1941	111 AA
111 W, r. 1941	111 AB
111 X, r. 1941	111 Y
* 140 K, r. 1941	111 Z
140 L, r. 1941	141 C
144 A, r. 1941	
144 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:

✓ "NAUSET 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

*Reported to
Fielding 7/1*

27 RADIAL PLOT (Cont'd.)

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 $2\frac{1}{2}$ 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.

North (Geodetic)
"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 planetable by the 1934 Topographic Party. The station could not be "held to" in the plot. The position of the ~~signal mast~~ ^{cupola} was redetermined by radial intersection and found to be approximately 12.6 meters southeast of the position as determined in 1934. The 1934 position has been deleted from the Map Drawing and the redetermined position has been shown with a $2\frac{1}{2}$ mm. black acid ^{ink} 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". *removed note*

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 "POCHET 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 resected. 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

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27 RADIAL PLOT (Cont'd.)

were shown with small double green ink circles.

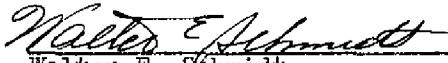
The positions of the photographscnters, which were determined by resection, have been shown on the glossy side of the Map Drawing with large double purple ink circles accompanied by the photograph numbers.

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
Asst. Photogrammetric Eng.

28 DETAILING:

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 m.m. 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

28 DETAILING (Cont'd.)

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. *Shore Note to be printed on published maps*

31 LOW-WATER AND SHOAL LINES:

Within the detail limits of the Map Drawing, the outer approximate limits of numerous sand flats, and shoal areas bordering the Mean High-Water Line have been detailed and shown with dotted and dashed light-weight black acid ink lines respectively accompanied by descriptive notes. Grass-in-water areas which were visible on the photographs, and which border the Mean High-Water Line, have been shown with the conventional symbol.

The approximate limits of sand flats, shoal areas, and grass-in-water areas lying offshore from the Mean High-Water Line were also detailed and shown on the Map Drawing with the conventional symbols accompanied by descriptive notes.

The above-mentioned approximate limits of shoal areas are not the

No other review of book.

31 LOW-WATER AND SHOAL LINES (Cont'd.)

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, 1934", r. 1941, has been recommended by the 1941 Field Inspection Sub-Party. Form 567 has been submitted for this station. *Chart letter #192 (1944)*

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, 1933", 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 *Chart letter #192 (1944)* 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 *Chart letter #192 (1944)* has been submitted.

34 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.

35 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 $2\frac{1}{2}$ m.m. 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:

Filed under sheet T-5735

<u>Number</u>	<u>Names</u>
33	Flagstaff
85	Flagstaff
89	Brick chimney near center house
94	Windmill tower
101	Ball on north gable house
119	Brick chimney near center of brown house
122	W. gable large white house
134	Chimney easterly of 2 brick
147	Tank, water
149	Brick chimney on small house
166	Cupola on "Orleans Inn"
178	Light on three pilings (also a fixed aid to navigation) <i>Nov. 1938</i>

35 HYDROGRAPHIC CONTROL (Cont'd.)

<u>Number</u>	<u>Names</u>
183	Center of white house
205	Westerly chimney on large grey house
211	Large brick chimney
219	Chimney on low yellow house
223	Chimney N. W. side of dark brown house
	Eastham Town Hall Cupola (landmark)
	T.B.M. No. 1, 1887, (Nauset Harbor Entrance)
	T.B.M. No. 2, 1887, (Nauset Harbor Entrance)
	T.B.M. No. VII, (M.G.S.), 1936, (Nauset Beach Beacons)
	T.B.M. No. VIII, 1888, (Nauset Beach Beacons)
	T.B.M. No. X, 1888, (Nauset Beach Beacons)
	Tank, Water, (Nauset Moors)
	Spire, (South Orleans Protestant Episcopal Church)
	Spire, (Orleans Methodist Church)
	Tank, Water, (Mayo's Duck Farm)
	Tower, lookout, (Nauset Coast Guard Station)
	Nauset 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

39 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.

40 GEOGRAPHIC NAMES:

A complete geographic name investigation was made of the area of the Map Drawing by Lieut. E. B. Lewey in 1941. 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.

41 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.

44 COMPARISON WITH EXISTING QUADRANGLES:

Wellfleet, Massachusetts Quadrangle (15') U. S. Geological Survey, edition of September 1893, reprinted 1932, scale 1:62,000.

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.

44 COMPARISON WITH EXISTING QUADRANGLES (Cont'd.)

*The shore line as shown on the Map Drawing is in general disagreement 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 $41^{\circ} 48' 25''$ and Longitude $69^{\circ} 56' 25''$ 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 $41^{\circ} 51' 38''$ and Longitude $69^{\circ} 57' 05''$ 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. 1208 to be discussed under side heading No. 45, "Comparison with Nautical Charts".

45 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 three-quarters 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. 178 "Light on Three Pilings" as shown on the Map Drawing at approximately

45 COMPARISON WITH NAUTICAL CHARTS (Cont'd.)

Latitude $41^{\circ} 48' 00''$ and Longitude $70^{\circ} 00' 33''$ 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. (N.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 review)

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. *Reported to Division of Geodesy*

Recovering - 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 Photocompilation proved that the Coast Guard Station in the same locality has been moved farther inland. *1909* *1941* *1942*

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 supersede the Topographic Survey, inasmuch as this is a notably changeable area.

Respectfully submitted,

Ada May Hobine
Ada May Hobine
Asst. Photogrammetric Aid

Compilation & Descriptive
Report Reviewed by:

Harry R. Rudolph
Harry R. Rudolph
Sr. Photogrammetric Aid

Supervised by:

Walter E. Schmidt
Walter E. Schmidt
Asst. Photogrammetric Eng.

Approved & Forwarded:

Fred. L. Peacock
Fred. L. Peacock
Chief, Air Photographic Party No. 2
Baltimore, Maryland

LIST OF GEOGRAPHIC NAMES

Undisputed

- | | |
|---|--|
| ✓. Areys Pond ✓ | ✓. Orleans (Village) ✓ |
| ✓. Atlantic Ocean ✓ | ✓. Pawwah Pond ✓ |
| ✓. Baker Pond ✓ | ✓. Pilgrim Lake ✓ |
| ✓. Barley Neck ✓ | ✓. Pochet Island ✓ |
| ✓. Boland Pond ✓ | ✓. Pochet Neck ✓ |
| ✓. Bridge Pond ✓ | ✓. Rachel Cove ✓ |
| ✓. Broad Creek ✓ | Rock Creek Harbor (omit) |
| ✓. Cape Cod Bay ✓ | ✓. Rock Harbor (Village) ✓ |
| ✓. Cedar Pond ✓ | ✓. Salt Pond ✓ |
| Crosbys Corner (not recommended) | ✓. Sampson Island ✓ |
| ✓. Crystal Lake ✓ | ✓. South Orleans (Village) ✓ |
| ✓. Depot Pond ✓ | ✓. Snows Point ✓ |
| ✓. East Orleans Village ✓ | ✓. Stony Island ✓ |
| ✓. Frost Fish Cove ✓ | ✓. Smith Heights (Village) ✓ |
| ✓. Great Pond ✓ | ✓. Thumpertown Beach ✓ |
| ✓. Gould Ponds ✓ | ✓. Town Cove ✓ |
| ✓. Herring Pond ✓ | ✓. Tonset (Village) ✓ |
| ✓. Herring River ✓ | ✓. The River ✓ |
| ✓. Hog Island ✓ | ✓. Weeset (Village) ✓ |
| ✓. Hog Island Creek ✓ | ✓. Widow Harding Pond ✓ |
| ✓. Hopkins Island ✓ | ✓. Woods Cove ✓ |
| ✓. Ice House Pond ✓ | |
| ✓. Jemimas Pond ✓ | ✓. Herring Brook ("stream" on compilation) |
| ✓. Kesceyogansett Pond ✓ | ✓. Campground Landing ✓ |
| ✓. Kingsbury Beach ✓ | ✓. First Encounter Beach ✓ |
| ✓. Little Pleasant Bay ✓ | ✓. Rocky Point ✓ |
| ✓. Little Pochet Island ✓ | ✓. Orleans Beach (part of Nauset Beach) |
| ✓. Little Namskaket River ✓ | ✓. Money Head ✓ |
| ✓. Lucys Point ✓ | ✓. Uncle Harvey Pond ✓ |
| ✓. Meeting House Pond (near East Orleans) ✓ | ✓. Vespers Pond ✓ |
| Meeting House Pond ✓ | ✓. Owl Pond ✓ |
| Methodist Camp Grounds ✓ | ✓. Eel Pond ✓ |
| (not recommended) | ✓. Eldredge Park ✓ |
| ✓. Mill Hill ✓ | |
| ✓. Mill Pond ✓ | |
| ✓. Molls Pond ✓ | |
| ✓. Namequoit Point ✓ | |
| ✓. Namequoit River ✓ | |
| ✓. Namskaket (Village) ✓ | |
| ✓. Namskaket Creek ✓ | |
| ✓. Nauset Bay ✓ | |
| ✓. Nauset Beach ✓ | |
| ✓. Nauset Harbor ✓ | |
| ✓. Nauset Heights ✓ | |
| ✓. Old Field Point ✓ | |

Names preceded by . are approved, as modified in some instances. See marked copy of U.S.G.S. "Orleans" 1945 7/2/946 L.H. 1/17/46

LIST OF GEOGRAPHIC NAMES

(Disputed)

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

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

✓ 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 ~~R~~ Road ✓
- Bridge Road ✓
- Cable Road ✓
- Camp Ground Road ✓
- Doane Road ✓
- Governor ~~Pence~~ Road ✓
- Harbor Road
- Harwich Road ✓
- Herring Brook Road ✓
- Hopkins Lane
- Kingsbury Beach Road ✓
- Main Street
- Massasoit Road ✓
- ✓•Meeting ~~H~~ouse Road ✓
- ✓•Monument Road ✓
- ✓•Namequoit Road ✓
- ✓•Nauset Road ✓
- ✓•P~~o~~rtanimitcut 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. ✓

*Prence (early colonial governor of
plymouth, who founded
Eastham)*
P = Main St on USGS Quad

? orchard Road on USGS Quad

= Chatham Road

Names preceded by • are approved.
See marked copy of U.S.G.S. "Orleans"
1945 7 1/2' quad. L. H. 1/19/46

CAPE CODE, MASSACHUSETTS
PROJECT No. HT-227
SUB-PROJECT No. HT-227-C

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-5735

Number of Temporary Hydrographic Stations	170
Number of Recoverable Topographic Stations	<u>30</u>
Total Number of Stations	200

Listed By: Ada May Hobine

Checked By: Harry R. Rudolph
Harry R. Rudolph

LIST OF RECOVERABLE TOPOGRAPHIC STATIONS AND TEMPORARY
HYDROGRAPHIC SIGNALS

*These are shown on the manuscript but
many have been omitted from the printed, negatived, copy
sheet.*

1. Red Chimney on green roof.
2. Center of three red doors of small bath house on beach.
4. Boathouse on beach, red doors and green roof.
22. N. gable boathouse.
23. Windmill W. of house in clearing.
25. Flagpole at Viking Camp.
26. White rock in grass.
27. Brick chimney n gable grey shingled shack on point.
29. Large white rock in grass.
30. S.W. gable small green house with white windows.
31. Cedar tree.
32. Center of small red top shack.
33. "Flagstaff"--Located on the north shore of Namequoit River, approximately 1280 meters southwest of Oldfield Point. Recoverable Topographic Station.
34. S. gable boathouse.
35. S.W. gable of larger of two houses.
36. Large rock at edge bank.
37. E. gable on S'ly and higher of two boathouses.
38. Chimney on grey shingled house.
39. Lone, low pine.
54. Center of float end of wharf.
55. Prominent lone white rock in grass.
56. S'ly of a row of small pines on grassy point.
57. White rock at edge grass, pointed and in front of a large rock at edge trees.
58. Large and prominent white rock beneath slide.
59. SW'ly of three chimneys on prominent white house.
60. E'ly of several white rocks in grass.
61. Two small lone pines.
62. Brick chimney on S. side red barn-like building.
63. Brick chimney center of small yellow house with grey roof.
64. E'ly of two brick chimneys on old shingled house.
65. Small stack center small house at edge of clearing.
67. Lone fir at N.W. corner of swamp.
68. N. gable of old boathouse.
69. Ornament on W. gable small house on hill in pines.
70. N.W. corner boathouse at inner end wharf.
71. Tackle on E. gable boathouse on point.
72. Chimney in center shingled house with grey roof.
73. Chimney near center of grey shingled cottage with white fence on S. side.
74. Chimney near center prominent house on point.
75. N. gable boatshed.
76. E. gable old house at edge of swamp.
77. 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 boatshed.
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 140 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.
94. "Windmill Tower", located on the north shore of Little Pleasant Bay, approximately 420 meters northeast of Oldfield Point. Recoverable Topographic Station.
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.1941". Recoverable Topographic Station.
103. Large flat white rock at inner edge grass.
104. White rock at wide spot in road--at foot bank.
105. S. gable small house near beach--flagpole and garage behind.
106. Flagpole near center large grey shingled house on hill.
107. Brick chimney near center small dark house with white windows.
108. White rock in grass.
109. White rock at edge road and just S.W. of a lone pine.
110. Small tarpaper shack at foot of bank and in cut.
111. Brick chimney near center large end prominent house on hill (same as triangulation station "Pocket House Chimney, 1909").
112. Brick chimney center of dark shingled house with white porch on N.W. corner-- the W'ly of the houses on the point.
113. White chimney black top on grey shingled house on hill.
114. Small brick chimney near S.E. gable large grey shingled house with dormers.
115. SE'ly of two red brick chimneys on house on point--most E'ly of houses on point.
116. 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 850 meters south of the entrance to Nauset Harbor. Recoverable Topographic Station.
120. S. gable large house on hill--S'y of a group with flagpole in front.
121. Windmill over w.t. on bluff.
122. Brick chimney in center dark shingled house on bluff--N'y 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'y 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'y 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 MHW 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'y 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 $2\frac{2}{3}$ 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.
172. Brick chimney N.E. gable low grey building on bluff--flagpole in front.
175. Twin windows in N.W. gable grey shingled house--red roofed porch beneath windows.
176. N.W. gable brown shingled house.
177. White brick chimney on E. wing large white house--clump trees covers W. wing.
178. "Light on three Pilings"--Fl. W. 2 sec., 12' high--on S. side channel--maintained by town of Orleans at entrance to Rock Harbor Creek. Recoverable Topographic Station & Aid to Navigation. (see map p. 100)
179. Large rock 3' above MHW.
180. Brick chimney on S. side small white house--another white house to N.E.
181. Stack on S.E. corner low grey house.
182. G.I. pipe 4' high at S.W. corner of ruins.
183. "Center of White House" on S. end of knoll, on the north side of Boat Meadow River, approximately $1\frac{1}{4}$ mile from its mouth. Recoverable Topographic Station.
184. Larger and N'ly of two brick chimneys on prominent stucco building.
185. N. gable - white house with red roof, atop grass bluff.
186. High point grass covered knoll to S. of a cut through bluff--marked by a 2" x 2" stake 4' in ground and 1' above.
188. 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 grey 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 bight--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.
218. N'ly of a row of concrete posts across end of road.
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 $\frac{1}{4}$ mile 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^{on} 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: 70.08 ft above mean low-water; 66.79 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.

Division of Photogrammetry
Review of Planimetric Map T-5735

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~~^{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 $41^{\circ}47.8'$, longitude $69^{\circ}56.2'$ 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 $41^{\circ}49'$ 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 $41^{\circ}47.9'$, longitude $70^{\circ}00.9'$.

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:

<i>B. G. Jones 12/46</i>	<i>H. E. Edmonston</i>
Technical Asst. to the	Chief, Nautical Chart Br.
Chief, Div. of Photogrammetry	Division of Charts

<i>K. T. Adams</i>	<i>C. K. Green</i>
Chief, Div. of Photogrammetry	Chief, Div. of Coastal Surveys