U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: SHORELINE-PHOTOGRAMMETRIC
Field No.: Ph-64(49) Office No.: T-9513, 9513a

LOCALITY
State: MASSACHUSETTS
General locality: MASSACHUSETTS BAY
Locality: SCITUATE HARBOR TO AND INCLUDING COHASSET HARBOR

19450

CHIEF OF PARTY
H.A. Paton, Chief of Field Party.
H.A. Paton, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES
DATE
JUL 13, 1954
DATA RECORD

T- 9512 & 9513 (1:5,000)
9512A & 9513A (1:5,000)

Project No. (II): Ph-64(49)

Quadrangle Name (IV):

Field Office (II):
Baltimore, Maryland
Photogrammetric Office (III):
Baltimore, Maryland

Instructions dated (II) (III):
21 July 1950 Field
19 Jan. 1951 Office

Chief of Party:
Comdr. H.A. Paton
Officer-in-Charge:
Comdr. H. A. Paton
Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic
Manuscript Scale (III): 1:10,000
Scale Factor (III): 1.000

Date received in Washington Office (IV):
9611-6-6-51

Date reported to Nautical Chart Branch (IV):
6-4-51

Date registered (IV):
7 Nov. 1952 (9672)
12 Dec. (9672.4)

Publication date (IV):
(12 Dec. 1952)

Publication date (IV):
Nov. 1952

Vertical Datum (III):
Mean sea level except as follows: MHW
Elevations shown as (25) refer to mean high water
Elevations shown as (2) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): BORDER STREET, 1885

Lat.: 42° 14' 01.990" (61.4m)
Long.: 70° 47' 05.275" (121.0m)

Adjusted

Plane Coordinates (IV):
State: Mass.
Zone: Maine-Lambert

Y = 45'0.435".27
X = 793.688.45

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel
(Show name within area)
(II) (III)
DATA RECORD

Field Inspection by (II):

Dave Lafever, Carto. Draftsman

R.A. Horn, Carto. Engineer

Planelable contouring by (II):

Date: 2 Oct 1950
27 Nov 1950

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): June 1950, field inspection

Projection and Grids ruled by (IV):

T.L.J.

Date: 1/18/51

Projection and Grids checked by (IV):

H.D.W.

Date: 1/19/51

Control plotted by (III):

J.C.Richter

Date: 1/29/51

Control checked by (III):

M.F. Kirk

Date: 1/30/51

Radial Plot or Stereoscopic
Control extension by (III):

J. Steinberg
H.R. Rudolph

Planimetry

Stereoscopic Instrument compilation (III):

Contours

Date: 2/23/51

Manuscript delineated by (III):

R. R. Hartley
J.Y. Councill
L.A. Serasack
J.C. Richter

Date: 2-27-51
3-1-51
3-5-51
3-15-51

Photogrammetric Office Review by (III):

R. Glaser

Date: 3-21-51

Elevations on Manuscript
checked by (II) (III):

Date:
Camera (kind or source) (III): U.S.C. & G.S. Single lens wide angle, type C

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Reference Station: Boston, Mass.
Subordinate Station: Cohasset Harbor (White Head)
Subordinate Station: Scituate

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Washington Office Review by (IV): [Signature]
Final Drafting by (IV): A Berry
Drafting verified for reproduction by (IV): W.O. Hallum
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 72
Shoreline (More than 200 meters to opposite shore) (III): 15.2 statute mi.
Shoreline (Less than 200 meters to opposite shore) (III): 11.6 statute mi.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 42
   Recovered: 32
   Identified: 22
Number of BMS searched (II):
Number of Recoverable Photo Stations established (III): 4
Number of Temporary Photo Hydro Stations established (III): 13
Remarks:
Number of triangulation stations established - 7
   Identified - 6
Number of topographic stations established - 4
   Identified - 4
Summary to Accompany T-9512, T-9513, T-9512A and T-9513A

Shoreline project Ph-64(49) consists of four map manuscripts: T-9512 and T-9513 at 1:10,000 scale; and T-9512A and T-9513A at 1:5,000 scale. These surveys were made for the purpose of obtaining shoreline and control data for future hydrographic surveys and nautical charts.

T-9512 extends from North Scituate Beach westward to Green Hill thus including Cohasset Harbor. T-9513 extends from Peggotty Beach to North Scituate Beach, thus including Scituate Harbor. T-9512-A and T-9513-A are harbor surveys for Cohasset and Scituate harbors, respectively.

Prior to making the radial plot and the compilation, field inspection was made of shoreline, off-shore rocks, and ledges. Additional horizontal control was established. This included triangulation, topographic, and hydrographic stations. Little interior field inspection, other than recovery of control and some geographic name verification, was accomplished. Therefore roads and buildings were delineated almost wholly from office inspection of the photographs.

Instructions for this project indicated that compilation would be made by the Kelsh Plotter, but the instrument was not available, so graphic methods were used. Instructions also required that the Cohasset and Scituate harbors compilations be insets to T-9512 and T-9513, respectively, but, because of their large size, they have been designated as T-9512-A and T-9513-A.
FIELD INSPECTION REPORT
SHORELINE SHEETS 9512 & 9513
PROJECT PH-64(49)

H.A. Paton, Chief of Party

2. AREAL FIELD INSPECTION
The area surveyed is primarily a resort section, and
there is a considerable influx of people during the summer
season. Some commercial fishing and lobster boats are oper-
ated by local inhabitants throughout the year from Scituate
and Cohasset Harbors.

The photographic coverage for this area is good. Little
difficulty was experienced in the interpretation of detail.

3. HORIZONTAL CONTROL
With the exception of three photographs, all photos
have four or more identifiable horizontal control point
images visible. Photo 1302 has only two identifiable points,
and photos 1270 and 1284 have one each. It is felt that the
control shall be adequate for compilation.

In some instances, it was deemed advisable to identify
two substitute points for one station. This was done since
there was not an ideal sub-point image available on all
photos covering the station. Thus, to be certain of its use,
the two best images available were identified and either or
both may be used in compilation.

The following supplemental control was established
during the course of the survey: "BLACK ROCK-2-1950," es-
blished by "fix" and marked with standard triangulation
and reference mark disks. "BRYANT POINT LIGHT-1950", "LONG
BASIN LIGHT-1950", "WHITE HEAD LIGHT-1950", "SUTTON HOLE
LIGHT-1950", and "BARREL ROCK DAYBEACON-1950" were estab-
lished by "cuts". In order to get sufficient "cuts" for a
third-order position on these objects, it was necessary to
establish and occupy an eccentric position for "STRAWBERRY
POINT-1921". Also, a "fix" was taken from the roof of a
dwelling on White Head (a small island on the west side of
Cohasset Harbor) from which observations on said objects
were made. This position is described on Form 525 as "FOX-
1950". A third "cut" was obtained from U.S.C.G.S. Traverse
Station BI/9 SI/9 1943, and a fourth (on SUTTON HOLE LIGHT
and BARREL ROCK DAYBEACON only) was obtained from BLACK
ROCK-2-1950.

Listed as "lost" on Form 526 are the following sta-
tions: ELM-1885; ELM-2-1885; ELM-3-1885; ELM-4-1885; CAT
HILL-1847; FIRST CLIFF-1924; BLACK ROCK-1847; SCITUATE,
4. VERTICAL CONTROL

Twelve tidal bench marks were recovered and identified on the photographs. A report on the condition of these marks has been made on Form 685.

5. CONTOURS AND DRAINAGE

Inapplicable

6. WOODLAND COVER

To be classified at a later date.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline inspection was conducted with some haste and lesser degree of thoroughness than usual. It is felt, however, that the work is well within the allowable limits of accuracy. The reason for working in this manner was due to the fact that the working days of this season were quite limited. Consequently, the objective was to get the mean high water line throughout (which was accomplished) so that the hydrographic party would at least have the fundamentals for a boat sheet.

Portions of the approximate low water line have been delineated in Scituate and Cohasset Harbors.

Two submarine cables have been identified on the photos on the west shore of a section known as "The Glades" at Cohasset Harbor. There were no other cables found in the area.

To get satisfactory results under the circumstances, all shoreline was walked by the field party. As a supplement to this, a cruise was made by skiff covering the entire project.

8. OFFSHORE FEATURES

There are many detached rocks, ledges, and outcrop islands throughout this coastline. The majority of these have been visited via skiff and suitable notes made on the photos regarding their nature. At several points, rocks were observed but not visible on the photos. These general areas are indicated on the photos and the exact positions of same should be determined by the hydrographic party.

9. LANDMARKS AND AIDS

The triangulation station "SCITuate, NORTH STACK-1934" (Landmark "STACK" on chart #1207) is of only secondary value as a landmark, since it has been reduced in height and is now merely 47 feet tall.

The beacon shown on end of jetty projecting southwest (Chart #232) should be deleted. It is no longer in existence.
Tobias Rock Daybeacon is not in existence at this date and is recommended for deletion on Form 567. The 26 October 1950 issue of Notice to Mariners, however, states that it is to be rebuilt in the near future.

The landmark "CUP" at approximate latitude 42° 15.2' and longitude 70° 46.3', on "THE GLADES CLUBHOUSE", has been recommended for deletion. It is of only secondary value as a landmark. South-southeast of it, in the same general area, an abandoned concrete military lookout tower has been identified on the photo and is recommended as a landmark. It is quite prominent from offshore and is of a permanent nature.

Eighteen radio towers of the World Wide Broadcasting Corporation have been identified on photo 1372; the location of said towers may be of some value for aeronautical charting purposes.

The lights in the Cohasset Harbor channel (lantern only) are removed yearly on 1 November and replaced on 1 May.

10. **BOUNDARIES, MONUMENTS, AND LINES**
   Inapplicable

11. **OTHER CONTROL**
    See also Review Report, Item 67

Four recoverable topographic stations were established, namely "CROW" (a U.S.E. disk); "MAST" (a flagpole); "MIKE" and "DAVE" (standard topographic station disks). Forms 624 submitted.

Thirteen photo-hydro stations were identified in the project.

12. **OTHER INTERIOR FEATURES**
    There are not any bridges in the area other than "skiff clearance only". At the entrance to the body of water charted as "The Gulf", at the southerly end of Cohasset Harbor, a notation is made on the photos "skiff clearance only - dangerous currents". This same condition prevails at the entrance to "Little Harbor", and the fact that dangerous currents exist should be emphasized.

Road classification, buildings and structures, and other in-shore inspection is incomplete and will be done at a later date. **Manuscript delineated without benefit of interior field inspection.**

13. **GEOGRAPHIC NAMES**
    Incomplete. To be done at a later date.

14. **SPECIAL REPORTS AND SUPPLEMENTAL DATA**
    There are no special reports for this project. All photographs, records, and supplemental data are transmitted
here-with to the Baltimore Office.

Submitted: 27 November 1950

R.A. Horn
Cartographic Engineer

Approved:
H.A. Paton
Chief of Party
21. **AREA COVERED**

This radial plot covers the area of shoreline survey No. T-9512A scale 1:5,000. The survey is located along the coast of Massachusetts in the Cohasset Harbor area and the compilation thereof will be shown as an insert on 1:10,000 scale sheet No. T-9512. This radial plot does not make junction with any other surveys of the same scale.

22. **METHOD—RADIAL PLOT**

**Map Manuscripts:** Vinylite sheets, with polyconic projections, and Massachusetts state grids, 2000 foot intervals, at a scale of 1:5000 were furnished by the Washington Office. No base sheets were used.

All control stations and substitute stations were plotted using beam compass and meter bar.

A sketch showing the layout of the survey and distribution of control and photograph centers is attached to this report.

**Photographs**
Single lens photographs, ratioed to a scale of 1:5000, were used in this radial plot. Thirteen photographs were used, numbered as follows:

- 50-0-1264 to 50-0-1267, inclusive
- 50-0-1297 to 50-0-1305 inclusive

The symbols used on the photographs are in accordance with those shown in the topographic manual.

**Templets**

No templets were used in this radial plot since there was no master templet available for photographs ratioed to a scale of 1:5,000 which made the photographs approximately 36 inches square. The master templet available for photographs taken with the "Q" camera is approximately 18 inches square.

**Closure and Adjustment to Control**

The radial plot was made directly on the map projection. The photographs were oriented beneath the projection sheet and ray lines drawn thru the image points of all pass points to establish their positions. The photographs containing the strongest fixes were oriented first. Control station SCITUATE CORNER 6, 1885 could not be held with the substitute point for control station BORDER STREET, 1885. Since sub point BORDER STREET 1885 could be held with all the other existing control, SCITUATE CORNER 6 was not used and a satisfactory radial plot was completed.

The positions of all centers were pricked directly on the map projection while their respective photographs were oriented beneath the projection.
The radially plotted positions of the pass points were also pricked directly on the map projection.

The radially plotted position of SCITUATE CORNER 6, 1885 was also pricked. This is "Monument", discussed in the Review Report, 67, for which a form 524 was filed at the time of recording.

23. ADEQUACY OF CONTROL

The placement of the horizontal control was adequate for a satisfactory radial plot.

Only one control station could not be held in this radial plot:

SCITUATE CORNER 6 1885 - The radially plotted position falls 2.7 ft SSW of the geographic position. The identification by the field party is "doubtful" because there was no original description of the station. The identification was made by arcs from identifiable image points one of which was the substitute point for BORDER STREET, 1885.

The radially plotted position of SCITUATE CORNER 6 falls on the SW side of Border Street (name of road) while the geographic position falls on the NE side of Border Street. See Review Report, Item 67.

24. SUPPLEMENTAL DATA

The positions of all photograph centers and pass points established by this radial plot were checked graphically with their corresponding positions as established by the radial plot constructed for surveys numbers T-9512 and T-9513 at a scale of 1:10,000.

25. PHOTOGRAPHY

The photographic coverage was adequate for the area of the survey. The definition of photographs is good in the central areas of the photographs. However, the images in the outer portions of the photographs are hazy due to the great enlargement.

Respectfully submitted
20 February 1951

[Signature]
Harry R. Rudolph
Cartographer (Photo)
21. **AREA COVERED**

This radial plot covers the area of shoreline Survey No. T-9513\[A\] scale 1:5000. The survey is located along the coast of Massachusetts in the Scituate Harbor area and the compilation thereon will be shown as an insert on Survey No. T-9513, scale 1:10,000. This radial plot does not make junction with any other survey of the same scale.

22. **METHOD—RADIAL PLOT**

**Map Manuscripts**—Vinylite sheets with polyconic projections and Massachusetts State grids, 2000 foot interval, at a scale of 1:5000, were furnished by the Washington Office. No base sheets were used.

All control stations and substitute stations were plotted and checked using beam compass and meter bar.

A sketch showing the layout of the survey and distribution of control and photograph centers is attached to this report.

**Photographs**

Eight single lens photographs ratioed to a scale of 1:5000 were used in this radial plot. They are numbered as follows:

- 50-0-1272
- 50-0-1285 to 50-0-1288
- 50-0-1293 to 50-0-1295

The symbols used on the photographs are in accordance with those shown in the topographic manual.

**Templets**

No templets were used in this radial plot since there was no master templet available for photographs ratioed to a scale of 1:5000, which made the photographs approximately 36 inches square. The master templet available for photographs taken with the "O" camera is approximately 18 inches square.

**Closure and Adjustment of Control**

The radial plot was made directly on the map projection by orienting the photographs beneath the projection sheet. Key lines were then drawn thru the image point of the pass points to establish their positions. The photographs containing the strongest fixes were oriented first.
In constructing the plot photograph 50-0-1272 was found to be considerably tilted. The tilt was determined graphically and found to be approximately 3 degrees. The iso-center was plotted on the photograph with rays from it thru all control and pass points drawn in red ink. The photograph was then re-oriented and could then be held in the plot. A satisfactory plot was then completed.

The positions of all photograph centers were pricked directly on the map projection while their respective photographs were oriented beneath the projection sheet.

The radially plotted positions of the pass points were also pricked directly on the map projection.

23. ADEQUACY OF CONTROL

The amount of control was adequate. The distribution of control was adequate except in the southwest corner of the survey.

Three control stations outside the limits of the projection were plotted on a dog-ear to strengthen the west side of the plot but only three of the photos reached these stations and one of these, 50-0-1272, was badly tilted.

24. SUPPLEMENTAL DATA

The positions of several pass points located by the radial plot for surveys T-9512 and T-9513, scale 1:10,000, were scaled from that plot and plotted in the weak area of this plot to supplement the control.

25. PHOTOGRAPHY

The photographic coverage was adequate for a satisfactory radial plot.

The definition is good in the central areas of the photographs. However, the images in the outer portions of the photographs are hazy due to the great enlargement.

With the exception of photograph No. 50-0-1272 which was found to be tilted approximately 3 degrees no excessive tilt was found.

Respectfully submitted
23 February 1951

Harry R. Rudolph
Harry R. Rudolph
Cartographer (Photo
LAYOUT SKETCH

PROJECT PH 64 (49)
SURVEY NO. T-9513 (insert)

○ SINGLE LENS OFFICE PHOTOGRAPHS
△ TRIANGULATION STATIONS (NOT IDENTIFIED, NOT USED)
▲ TRIANGULATION STATIONS (IDENTIFIED, HELD)
☆ TRIANGULATION STATIONS, (NOT HELD IN RADIAL PLOT)

○ 1288

▲ CEDAR PT. DATUM, 1940

△ CEDAR PT. DATUM RM 2 1940

△ CEDAR PT. DATUM RM 1 1940

▲ CEDAR PT. TOWER 1940

CEDAR PT. 1938A ▲ CEDAR POINT
BREAKWATER LT. 1943

□ SCITUATE, 2 ND CLIFF TOWER 1906

□ 1285

▲ SCITUATE STACK, 1936

□ 1282

□ 1286

□ 1294

□ 1293

□ 1285

15000

NORTH

70° 44' 00" 42° 13' 00"

70° 42' 00"
PHOTOGRAMMETRIC PLOT REPORT

PROJECT NO. PH-64(49)

SURVEYS NOS. T-9512 and T-9513

21. AREA COVERED

The area of Surveys Nos. T-9512 and T-9513, scale 1:10,000 covered by this radial plot, is along the coast of Massachusetts from Scituate Harbor, latitude 42° 11', northwesterly to longitude 70° 49° 34', beyond Little Harbor. This radial plot was accomplished to obtain the control necessary for the graphic compilation of Surveys T-9512 and T-9513.

22. METHOD—RADIAL PLOT

Map Manuscripts: The map projections furnished the compilation office are on vinlylite, ruled with polyconic projections, and Massachusetts State Grids, 5000 foot intervals, at a scale of 1:10,000. Vinlylite base sheets, ruled with base grids, scale 1:10,000, previously furnished for another project, were used for this radial plot.

All control stations and substitute stations were plotted and checked on the map projection sheets using beam compass and meter bar. All identified control stations were transferred to the base sheets by matching common grid lines.

A sketch showing layout of surveys, control stations and photograph centers is attached to this report.

Photographs

The photographs used in this radial plot are all single lens photographs ratioed to a scale of 1:10,000, taken with camera "0" focal length of 6 inches, on 2 June 1950. Thirty-one (31) photographs were used in the radial plot and are numbered as follows:

50-0-1262 thru 50-0-1274
50-0-1284 thru 50-0-1287
50-0-1294 thru 50-0-1307

Symbols for pass points and control stations are in accordance with those shown in part II of the Topographic Manual.

Templets

Vinlylite templets were made of all photographs, using a master templet furnished by the Washington Office to correct for paper and film distortion.

Closure and Adjustment to Control

The templets for photographs 50-0-1305, 1306, 1262, and 1263 were sufficiently controlled to obtain good fixes and were laid first. The plot was extended southeasterly holding to identified control and tying in at the southeasterly limits of the surveys with the templet for photograph 50-0-1295. The templets of those photographs lacking identified control
were fixed by holding to pass points established from controlled templets. A satisfactory radial plot was accomplished.

In running the plot, photograph 50-0-1272 was believed to be considerably tilted. The tilt was determined graphically and found to be approximately 3 degrees. The iso-center was plotted on the photograph with rays from it thru the control and pass points drawn with red ink. A new templet was prepared and could be held in the plot.

The positions of all pass points and photograph centers were transferred directly to the map projection sheets by matching common grid lines.

23. ADEQUACY OF CONTROL

The amount and distribution of control was adequate for a satisfactory plot.

One station SCITUATE CORNER 6, 1885, which was identified as "doubtful" could not be held in the plot. The radially-plotted position falls 1.49 mm south southwest of the geographic position. No apparent reason for this discrepancy could be found. See Review Report, sketch on p. 5-27.

Substitute point for station BORDER STREET, 1885, falls approximately 7.0 mm south of SCITUATE CORNER 6, 1885, and since the sub point could be held with other control SCITUATE CORNER 6, 1885, was not used in the plot.

24. SUPPLEMENTAL DATA

No graphic control surveys were used in this radial plot.

25. PHOTOGRAPHY

The photographic coverage was adequate for a satisfactory radial plot. In the area of NORTH SCITUATE STACK, 1934, the two flights intersect making it only possible to obtain slim cuts on radially plotted points in this vicinity. A third flight (1291-1293) gave wider-angle cuts with 1293-1294. The western towers at WROL were re-located during review by using the above-mentioned photographs.

The definition of the photographs is good with the exception of photographs 1284, 1293 and 1294 which have double images, probably due to vacuum failure. Excessive tilt was not apparent except for photograph No. 1272 which was found to be tilted approximately 3 degrees.

26. REMARKS

Several pass points needed to help control the 1:5,000 plot in the area of Survey T-9513 were scaled from this plot and plotted on the map projection for T-9315. After completing the 1:5,000 scale plot, common photo centers and pass points were checked graphically and found to be in agreement.

Respectfully submitted

Joseph Steinberg
Photogrammetric Engineer
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<th>Identification</th>
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<td>THIRD CLIFF, SCITUATE OP 1940</td>
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<td>2.</td>
<td>SCITUATE 2nd CLIFF TOWER (TOWER USC&amp;GS) 1908</td>
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<td>3.</td>
<td>CEDAR POINT BREAKWATER LT., 1943</td>
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<td>4.</td>
<td>CEDAR POINT, 1938</td>
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<td>None</td>
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<td>5.</td>
<td>CEDAR POINT TOWER, 1940</td>
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<td>6.</td>
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<td>11.</td>
<td>SCITUATE, LAWSON TOWER, 1915</td>
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<td>12.</td>
<td>LAWSON, 1938</td>
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<td>13.</td>
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<td>CAT HILL, 1847</td>
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<td>SCITUATE CORNER 5, 1885</td>
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<td>17.</td>
<td>WALNUT HILL, 1885</td>
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PROJECT PH64 (49)
SURVEYS NO. T-9512 & T-9513 1:10,000

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▲ TRIANGULATION STATIONS (IDENTIFIED, HELD)
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T-9512

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<tr>
<td></td>
<td></td>
<td></td>
<td>70 43</td>
<td>21.570</td>
<td></td>
</tr>
<tr>
<td>29B (MGS) 1934</td>
<td></td>
<td></td>
<td>42 10</td>
<td>27.256</td>
<td>South of Limit</td>
</tr>
<tr>
<td>CEDAR POINT DATUM 1940</td>
<td>G-4548 515</td>
<td></td>
<td>42 12</td>
<td>28.681</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>70 43</td>
<td>21.570</td>
<td></td>
</tr>
<tr>
<td>SUB PT THIRD CLIFF SCITUATE O.P. 1940</td>
<td>G-4548 515</td>
<td></td>
<td>42 10</td>
<td>13.338</td>
<td></td>
</tr>
<tr>
<td>SUB PT SCITUATE BEACH, 1940</td>
<td></td>
<td></td>
<td>70 43</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>70 42</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All substitute points were removed during review.

Page 25
T-9512 and T-9513

31. DELINEATION

Four separate manuscripts are included in this project of two surveys. The two surveys, drawn to a scale of 1:10,000, were delineated in conjunction with harbor inserts drawn to a scale of 1:5,000 for each survey.

Photographs of the insert areas, enlarged to a scale of 1:5,000 were furnished for this phase of the work. See Summary prefacing this Draft Rept.

The harbor areas were compiled only at the 1:5000 scale and were traced onto the 1:10,000 manuscripts from ratioed reproductions of these inserts.

Because the Kelsh Plotter was assigned to another project, all compilation was done graphically.

32. CONTROL

See Review Report, Item 67

The identification of horizontal control was adequate except that BARREL ROCK DAYBEACON, 1950, seems to have been misidentified and there is some doubt as to the identification of SCITUATE CORNER 6, 1885. The density and placement of horizontal control were adequate.

The geographic position of CHASSET BLACK ROCK CUPOLA, 1934 is approximately 1180 meters to the WSW of the location radially plotted from positive field identification. This verifies the recovery of this station by LWS in 1939 as noted on page 2, Cahier 517 - Description of Triangulation Stations, Boston and Vicinity.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable

Drainage: Drainage was delineated from stereoscopic examination of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate except for about one half mile from longitude 70° 49' 30" to the western limit of T-9512. This section was not field inspected, but was compiled from office interpretation and should be reviewed by the next party visiting the area.

All shoreline details have been delineated as indicated on the field inspection photographs. Rocks awash that were field identified, as well as additional prominent ones, were delineated. Generalization of rock awash symbols was necessary on some of the rock studded ledge in the foreshore areas.
35. **SHORELINE AND ALO ng SHORE DETAILS (continued)**

Low water and foul lines are based on data furnished by the field party.

36. **OFFSHORE DETAILS**

No comment.

37. **LANDMARKS AND AIDS** *Chart letter No. 359 (1951)*

Forms 567 are being submitted for 2 non-floating aids and two landmarks for charts which have been recommended for deletion. Forms 567 are also being submitted for six non-floating aids and six landmarks which have been recommended for charting.

38. **CONTROL FOR FUTURE SURVEYS**

Forms 524 for five recoverable topographic stations are being submitted with this report. The fifth station which is not mentioned in item 11 of the field report has been classified as confidential by the military and is not delineated on the manuscript. Given to Geology to be included in their confidential file.

A list of recoverable topographic stations and photo-hydro stations with descriptions of the latter, has been included in Item 49. See also Reference Report.

39. **JUNCTIONS**

Junction between T-9512 and T-9513 has been made and is in agreement.

There are no other contemporary surveys.

40. **HORIZONTAL AND VERTICAL ACCURACY**

Some minor difficulty was encountered in the delineation of the NW corner of T-9513 in the area south and west of The Gulf. The area falls on the outer edges of the photographs and due to somewhat indistinct images, scale difference and relief displacement, there is some doubt as to the accuracy of shape and placement of buildings.

The photographs made good-angle cuts in this area and each of these photographs held to at least three control points. Delineation is within the required accuracy.
46. COMPARISON WITH EXISTING MAPS

The manuscripts were compared with the following maps:


47. COMPARISON WITH NAUTICAL CHARTS

The manuscripts were compared with the following charts:

1) Cohasset Harbor Chart No. 242, scale 1:5,000, published 2-26-51, corrected to 3-5-51.

2) Scituate Harbor Chart No. 232, scale 1:5,000, published 5-1-50 (no correction date).

3) Boston Harbor Chart No. 246, scale 1:25,000 published 9-12-49 (no correction date).

Items to be applied to nautical charts immediately:
None.

Items to be carried forward:
None.

Respectfully submitted

Raymond Glaser
Cartographic/Photo. Aid

Approved and forwarded

Hubert A. Paton
Comdr., C&GS
Officer in Charge
48. GEOGRAPHIC NAME LIST

Ann Vinal Road
Atlantic Avenue

Bailey Creek
Bar Rocks
Barrel Rock
Bassing Beach
Beach Island
Beach Street
Beechwood Station
Big Quaino Rock
Black Ledge
Black Rocks
Boardman Avenue
Booth Hill Road
Border Road
Briggs Harbor
Brook Street
Brush Island
Brush Ledge

* Buckhorn Rock

Cedar Point
Chest Ledge

* Chittenden Rock
Cohasset
Cohasset Cove
Cohasset Harbor
Cohasset Yacht Club
Country Way
Cown Rocks
Cunningham Bridge

Discovery of Cohasset Memorial

* East Hogshead Rock
East Round Rock
East Shag Rock

* Enos Ledge

First Cliff
First Parish Road
Forest Avenue

Gangway Passage
Gannett Road
Green Hill
Gulf Island

Gull Island
Geographic Name List (continued)

Hatherly Beach
* Hatherly Country Club  (added to manuscript T-9572)
Hatherly Road
Hog Rock
* Hogshead Rock
Hollett Street
* Inner Minot

* Jack Rock
James River
Jericho Road
Jerusalem Road

Kent Rocks  (add finals on main sheet)

Little Harbor
* Little Quamino Rock
Little White Head

Mann Hill
Mann Hill Beach
Massachusetts Bay
Minot
* Minots Ledge
* Mike Ledges  (add final s)
Musquashit Pond
Musquashit Brook
New York, New Haven and Hartford RR
Nichols Road
* Norfolk County
North Main Street
North Scituate
North Scituate Beach

Old Sow
Osher Ledge
* Outer Minot

Peggotty Beach
* Plymouth County

Quarry Point

Round Rock
Sand Hills  = one word
Sandy Cove
Scituate
Scituate Harbor
Scituate Neck
Second Cliff
Sheep Ponds

Squatit Brook
48. Geographic Names (continued)

Sheppard Ledges
Shore Acres
South Main Street
Strait's Pond
Strawberry Point
Sutton Rocks (add on main sheet)

The Glades
The Brambles
The Gulf

The Hazards
* The Twins
Tilden Street Road
Tobias Ledge
Town Landing
Town Pier
Turner Avenue

* W Hogshead Rock
Well Rock
West Shag Rock
West Willies
White Head
White Rock
Willow Street
Windmill Point

Names underlined in red are approved.
1-16-52
L. Heck

* Name is penciled on manuscript - feature to which name applies could not be delineated on manuscript.

Union Cemetery (S of Scituate, T-9513) - on manuscript
Western Channel (T-9512 - as on chart 24) -
Sea Ledge (T-9512 - SW of Black Ledge) -
Eastern Channel (T-9512 - as on chart 24) -
Scituate Yacht Club - on manuscript
Sohier Street - in Cohasset - on manuscript

Following Lighthouse names are also approved (in Cohasset Harbor)
Sutton Hole
White Head
Long Basin
Bryant Point
49. NOTES FOR THE HYDROGRAPHER

The following is a tabulation of photo-hydro stations for T-9512 and T-9513, Ph-64(49):

<table>
<thead>
<tr>
<th>Photo-hydro Station No.</th>
<th>Description</th>
<th>Photo No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>121 107</td>
<td>Top of the belfry on the fire company at Cohasset.</td>
<td>50-0-1265</td>
</tr>
<tr>
<td>122 108</td>
<td>Tower of an imitation lighthouse at the southeast corner of HUGO'S RESTAURANT</td>
<td>-1265</td>
</tr>
<tr>
<td>123 112</td>
<td>Wooden mast or flagpole, 25' tall, and is 10' north of the northeast corner of a cabin.</td>
<td>-1265</td>
</tr>
<tr>
<td>124 102</td>
<td>Small boat davit (iron pipe-3' high) projecting from the end of a concrete pier.</td>
<td>-1265</td>
</tr>
<tr>
<td>131</td>
<td>On the outer tip of jetty projecting SW into Scituate Harbor. It is a pile of rocks surmounted by one large square boulder.</td>
<td>-1295</td>
</tr>
<tr>
<td>132</td>
<td>A short square brick chimney painted white with a black trim on top. It is in the center of the ridgepole of a white house with black shingle roof and three dormer windows facing harbor. Address: 39 Lighthouse Road.</td>
<td>-1295</td>
</tr>
<tr>
<td>133</td>
<td>Short white chimney, cement finish, in the center of ridgepole. It is on a one story beach house that has gray shingles on side and black shingles on roof. Address is 18 Lighthouse Road.</td>
<td>-1295</td>
</tr>
<tr>
<td>134</td>
<td>Gable at the southeast side of a dwelling that resembles a barn. Sides are covered with wooden shingles painted red. Roof is covered with asbestos shingles (black). There are two windows beneath the gable. Address: 146 Jericho Road.</td>
<td>-1295</td>
</tr>
<tr>
<td>135</td>
<td>White wooden flagstaff and yardarm on the lawn of the Scituate Harbor Yacht Club. It is 21 feet east of the east edge of the tennis courts and nearly in line with the nets across the courts.</td>
<td>-1295</td>
</tr>
<tr>
<td>136</td>
<td>East gable of a two story dwelling. Sides are covered with wooden shingles painted yellow; roof is covered with dull green shingles. There are three large windows below apex of gable. Address: 27 Jericho Road.</td>
<td>-1295</td>
</tr>
</tbody>
</table>
137  East gable of a one story structure built over the water. Beneath the apex of gable is a small window and below it a double white door. Building is used for sale of lobsters. Address is 206 Front Street, owner is Mr. Dyer. 50-0-1295

138  Spire on the Saint Mary of the Nativity stone church located on First Parish Road. The square shaped (shingled) spire is surmounted by a gilt ball and cross. 50-0-1295

139  Center of the end of the westerly fender of the Coast Guard dock. 50-0-1295

The following recoverable topographic stations are shown on the manuscripts:

<table>
<thead>
<tr>
<th>Station</th>
<th>Date</th>
<th>T.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CROW, 1950</td>
<td>T-95.73</td>
<td></td>
</tr>
<tr>
<td>DAVE, 1950</td>
<td>T-95.12</td>
<td></td>
</tr>
<tr>
<td>MAST, 1950</td>
<td>T-95.53</td>
<td></td>
</tr>
<tr>
<td>MIKE, 1950</td>
<td>T-95.12</td>
<td></td>
</tr>
</tbody>
</table>

One other, a classified recoverable topographic station, TOWER, 1950, has not been delineated on the manuscript but is reported on Form 524, see also Reference Report, 47(2).

Offshore details to be proved, disproved, or located by the hydrographic party are indicated on chart sections accompanying this report.

Also locate in position the islands, rocks or ledges to which the names penciled on the manuscript applies. A list of these names, for which no feature could be located in the compilation office, is included here for your convenience.

Buckhorn Rock  Hogshead Rock  Minots Ledge  Plymouth County
Chittenden Rock  Inner Minot  Mike Ledge  The Twins
East Hogshead Rock  Jack Rock  Norfolk County  W Hogshead Rock
Enos Ledge  Little Quimino Rock  Outer Minot
**T-9512 - T-9513**

Additional Photo-Hydro Stations

The original field inspection and compilation on these manuscripts included comparatively few photo-hydro stations as listed on the preceding pages. Additional stations have been selected and located on the manuscripts at the Washington Office in May 1957. These additional stations are listed and described below. These stations may be marked for hydrographic control or they may be used as located points from which hydrographic signals can be located by distance and direction. All of the photo-hydro stations are identified on the set of field photographs and these photographs will be provided the hydrographic party to assist that party in the recovery of the stations.

*Denotes 1:5,000 photo.

<table>
<thead>
<tr>
<th>Photo-Hydro Station No.</th>
<th>Description</th>
<th>Field Description</th>
<th>Photo Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>005</td>
<td>Foot of stairway at edge of grassline</td>
<td></td>
<td>1263</td>
</tr>
<tr>
<td>006</td>
<td>North gable of barn-like structure</td>
<td></td>
<td>1263</td>
</tr>
<tr>
<td>007</td>
<td>North gable of small house</td>
<td></td>
<td>1262</td>
</tr>
<tr>
<td>008</td>
<td>Light-colored chimney of large prominent house on bluff offshore from HMWL</td>
<td></td>
<td>1263</td>
</tr>
<tr>
<td>100</td>
<td>Iron rod pier supports</td>
<td></td>
<td>1305</td>
</tr>
<tr>
<td>101</td>
<td>At HMJ on narrow rock arm which projects south from 8' rock</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>102</td>
<td>See Descriptive Report (article 49)</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>103</td>
<td>Prominent chimney on large house</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>104</td>
<td>Highest party (?) of pinnacle rock just seaward of HMJ on 16' rock</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>105</td>
<td>Chimney on large house at end of bluff point</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>106</td>
<td>Corner of wall</td>
<td></td>
<td>1266</td>
</tr>
<tr>
<td>107</td>
<td>See Descriptive Report (article 49)</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>108</td>
<td>See Descriptive Report (article 49)</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>109</td>
<td>Northeast corner of pier</td>
<td></td>
<td>1266</td>
</tr>
<tr>
<td>110</td>
<td>West gable of barn-like structure</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>111</td>
<td>3-foot rock at end of jetty</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>112</td>
<td>See Descriptive Report (article 49)</td>
<td></td>
<td>1265</td>
</tr>
<tr>
<td>113</td>
<td>Northern end of 3-foot rock</td>
<td></td>
<td>1266</td>
</tr>
<tr>
<td>114</td>
<td>Highest part (?) of 3-foot rock</td>
<td></td>
<td>1266</td>
</tr>
<tr>
<td>115</td>
<td>More easterly of two large boulders at grass and bluff line and just out from house</td>
<td></td>
<td>1266</td>
</tr>
<tr>
<td>116</td>
<td>Eastern end of center one of 3 rocks awash on western end of Other Ledge.</td>
<td></td>
<td>1303</td>
</tr>
<tr>
<td>117</td>
<td>Highest part (?) of low rock (awash or 1 ft. at HMJ) just offshore of rock bluff</td>
<td></td>
<td>1303</td>
</tr>
<tr>
<td>118</td>
<td>Corner of concrete seawall</td>
<td></td>
<td>1303</td>
</tr>
<tr>
<td>119</td>
<td>Small pond (or black spot) roughly 10 meters north of high east-west ridge of &quot;Bar Rocks&quot;</td>
<td>1302</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>Corner of concrete seawall</td>
<td></td>
<td>1303</td>
</tr>
<tr>
<td>121</td>
<td>North corner of platform which contains concrete steps</td>
<td></td>
<td>1270</td>
</tr>
<tr>
<td>Station No.</td>
<td>Description</td>
<td>Photo Number</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>122</td>
<td>End of concrete seawall</td>
<td>1270</td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>NE corner of light-colored rectangular tower on top of building</td>
<td>1270</td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>NE corner of light-colored awning(?) which covers north and east sides of building</td>
<td>1271</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>Corner of concrete seawall</td>
<td>1271</td>
<td></td>
</tr>
<tr>
<td>126</td>
<td>End of concrete seawall</td>
<td>1271</td>
<td></td>
</tr>
<tr>
<td>127</td>
<td>Intersection of walkway and concrete seawall</td>
<td>1271</td>
<td></td>
</tr>
<tr>
<td>128</td>
<td>North gable of house</td>
<td>1271</td>
<td></td>
</tr>
<tr>
<td>129</td>
<td>Wooden gate in concrete seawall</td>
<td>1272</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>NE gable of detached light-colored house</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>131</td>
<td>See Descriptive Report (article 49)</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>131a</td>
<td>NW corner of very small wharf</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>See Descriptive Report (article 49)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>See Descriptive Report (article 49)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>Largest and most SE'ly of 3 boulders which project just above MHW</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>134a</td>
<td>See Descriptive Report (article 49)</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>135</td>
<td>South corner of end of pier</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>136</td>
<td>See Descriptive Report (article 49)</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>136a</td>
<td>NE corner of &quot;Town Pier&quot;</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>137</td>
<td>See Descriptive Report (article 49)</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>138</td>
<td>&quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>&quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>Large boulder just east of crest of jetty, about 9 meters from end.</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>NE corner of light-colored wall(?) enclosing eastern part of building</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>142</td>
<td>Seaward corner of light-colored wall(?) enclosing south end of building</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>SE corner of more southerly of two small outbuildings</td>
<td>1286*</td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>Peak of seaward gable of house</td>
<td>1286*</td>
<td></td>
</tr>
</tbody>
</table>
PHOTOGRAMMETRIC OFFICE REVIEW


CONTROL STATIONS

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines  32. Property lines

MISCELLANEOUS

Reviewer: Raymond Fadd  
Supervisor: Joseph Stenberg

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler  
Supervisor: M-2623-12

43. Remarks:
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by Dave Lafferman.

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fl R ev</td>
<td>Station &quot;CEDAR POINT BREAKWATER LIGHT&quot;</td>
<td>Conf.</td>
<td>42 12</td>
<td>337.5</td>
<td>70 42</td>
<td>1138.3</td>
<td>1927</td>
<td>Triang. 9513</td>
</tr>
<tr>
<td>Fl R ev</td>
<td>Barrel Rock Daybn.--barrel on spindle</td>
<td>Conf.</td>
<td>42 15.8</td>
<td>938.8</td>
<td>70 47.1</td>
<td>180.3</td>
<td>9512</td>
<td>&quot;</td>
</tr>
<tr>
<td>Fl R ev</td>
<td>Sutton Hole Light</td>
<td>Conf.</td>
<td>42 15.8</td>
<td>153.8</td>
<td>70 47.1</td>
<td>58.8</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Fl R ev</td>
<td>White Head Light</td>
<td>Conf.</td>
<td>42 14.8</td>
<td>1742.4</td>
<td>70 47.2</td>
<td>64.0</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Fl R ev</td>
<td>Long Basin Light</td>
<td>Conf.</td>
<td>42 14.8</td>
<td>1460.8</td>
<td>70 47.2</td>
<td>179.3</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>Fl R ev</td>
<td>Bryant Pt. Light</td>
<td>Conf.</td>
<td>42 14.8</td>
<td>1039.2</td>
<td>70 47.3</td>
<td>373.4</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Scituate, Mass. 11/17 1950

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by Dave Lafferman

Hubert A. Paton  Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Massachusetts</td>
<td>TOWER</td>
<td>Station &quot;Second Cliff Tower-1903-43&quot;</td>
<td>42 11 908.1 70 43 100.3 1927 9513 Oct 1950 X 232</td>
</tr>
<tr>
<td></td>
<td>CUPOLA</td>
<td>Coast Guard Station No. 27</td>
<td>42 11 1726 70 43 27 1927 Rad. Plot X X 232</td>
</tr>
<tr>
<td></td>
<td>OLD TOWER</td>
<td>Station &quot;CEDAR POINT TOWER-1940-43&quot; (Aband. Lighthouse)</td>
<td>42 12 516.7 70 43 1348.8 1927 &quot; Triang. X X 232, 1207</td>
</tr>
<tr>
<td></td>
<td>TOWER</td>
<td>Station &quot;Scituate, Lawson Tower 1915-34-35&quot;</td>
<td>42 12 52.3 70-45 482.7 1927 X X 232, 1207</td>
</tr>
<tr>
<td></td>
<td>CUPOLA</td>
<td>Station &quot;HULL, Town Hall Cupola-1934-39&quot;</td>
<td>42 15 1632.2 70-50 1039.8 1927 9512 X 246</td>
</tr>
<tr>
<td></td>
<td>TOWER</td>
<td>Lt. 67' (117') Conf</td>
<td>42 14 1688.6 70-46 167.4</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be (deleted from) the charts indicated.

The positions given have been checked after listing by Dave Lafferman.

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>D.M. METERS</th>
<th>LONGITUDE</th>
<th>D.P. METERS</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>MARKER CHART</th>
<th>DRAWING CHART</th>
<th>OFFICE CHART</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td>BN</td>
<td>Unknown</td>
<td></td>
<td>42</td>
<td>12.2</td>
<td>70</td>
<td>43.1</td>
<td>9513</td>
<td>x</td>
<td></td>
<td>x</td>
<td></td>
<td></td>
<td>232</td>
</tr>
<tr>
<td>* BN</td>
<td>Tobias Rock Daybeacon</td>
<td></td>
<td>42</td>
<td>15.3</td>
<td>70</td>
<td>45.7</td>
<td>9512</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
<td>242,246</td>
</tr>
</tbody>
</table>

* 26 Oct. 1950 Notice to Mariners reports this to be replaced in near future.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by official field survey sheets. Information under each column heading should be given.
I recommend that the following objects which have (revised) been inspected from seaward to determine their value as landmarks be charted (deleted from) the charts indicated.

The positions given have been checked after listing by 

Dave Lafferman

<table>
<thead>
<tr>
<th>STATE</th>
<th>Massachusetts</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>STACK</td>
<td>Station &quot;North Scituate Stack&quot; - 1934</td>
</tr>
<tr>
<td>CUP</td>
<td>Squat Cupola at northwest tip of peninsula (The Glades)</td>
</tr>
<tr>
<td></td>
<td>42 12 1144.1 70 44 369 0 1927 9513 1934 x 1207</td>
</tr>
<tr>
<td></td>
<td>42 15.2 70 46.3</td>
</tr>
<tr>
<td></td>
<td>9512 x 242</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by field survey sheets. Information under each column: heading should be given.
REVIEW REPORT
Shoreline Manuscripts T-9512 (Confidential) and T-9513
Harbor Manuscripts T-9512-A (Confidential) and T-9513-A
13 January 1952

62. Comparison with Registered Topographic Surveys:

<table>
<thead>
<tr>
<th>T-226</th>
<th>1:10,000</th>
<th>1847 with contours</th>
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<tbody>
<tr>
<td>236bis</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>2183</td>
<td>&quot;</td>
<td>1894 &quot;</td>
</tr>
<tr>
<td>2183A</td>
<td>1:5,000</td>
<td>1895 &quot;</td>
</tr>
<tr>
<td>2208</td>
<td>1:10,000</td>
<td>1914</td>
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<tr>
<td>2208A</td>
<td>1:5,000</td>
<td>1914</td>
</tr>
<tr>
<td>4062</td>
<td>&quot;</td>
<td>1924</td>
</tr>
<tr>
<td>5752</td>
<td>&quot;</td>
<td>1944</td>
</tr>
</tbody>
</table>

63. Comparison with Maps of Other Agencies:

USE Nantasket, Mass. 1:25,000 1947
USE Cohasset " " "
USE Scituate " " "

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

• 232, Scituate Harbor, 1:5,000, ed. July 1940, rev. June 1944
• 242, Cohasset Harbor, 1:5,000, ed. July 1939, rev. Feb. 1951
• 249, Boston Harbor, 1:25,000, ed. Mar. 1948, rev. Feb. 1951
• 1207, Massachusetts Bay, 1:80,000, ed. July 1945, rev. June 1950

*Comparison between these charts and the map manuscripts could be made by laying the acetate over the charts.

Shoreline, piers, roads differ radically in many places throughout the area. Delineated rocks and islands conform to field inspection data, but this inspection is incomplete both as to number of rocks and extent and location of ledges, particularly of those farther seaward. This information will be amended and completed by a future hydrographic survey.

On chart 232 the positions of Cedar Point Light, Cedar Point Tower ("Old Tower") and Scituate 2nd Cliff Tower agree with those on the map manuscript. "Old Sow" rock is the only rock common to the chart and the map manuscript. It is shown on Chart 232 as an islet bearing 2° at MHW, whereas T-9512 and T-9512-A give a bearing of 3° at MLW. This needs verification.

A marked copy of chart 242 attached to the Descriptive Report obviates a listing of differences in off-shore features.
Of the six aids to navigation, only Minots Ledge Lt. and Barrel Rock Daybeacon have position agreement. Sutton Hole, Whitehead, Long Basin, and Bryant Lights are west or northwest of chart positions. Manuscript positions are of third order triangulation value established during the 1950 field work. Their positions supersede those on the chart.

66. Accuracy of Results and Future Surveys:

 Except as noted in heading 65 the map manuscript complies with project instructions and meets the National Standards of Accuracy.

67. Control:

1. Black Rock Cupola 1934 (d). The station, as described in No. 517, p. 2, was recovered in 1939 and again in 1950 but the Geographic Position, p. 101, locates it about 1180 m. southwesterly from the recovered station (not marked). A form 524 has been submitted for the cupola and the accompanying description and sketch notes the discrepancy between the triangulation description and the listed geographic position.

2. Scituate Corners 6, 1885 (n.d.). A monument was recovered in 1950 which was assumed to be Corner 6 and a description and a prick card sketch with measurements were filed. The recovered monument appears to be the "bound" mentioned in the description for BORDER STREET, 1885, No. 517, p. 1, submitted by KTA in 1933. The plotted position for Corner 6 falls on the east side of Border Street and about 49 ft. northeast of the recovered monument on the west side of Border Street. A form 524 has been filed in order to have record of the position of the recovered monument.

Geodesy was orally informed of this procedure and descriptive notes and sketches were given them explaining the difficulties in order to facilitate any future adjustments or inspection.

The control established in 1950 was classified "confidential". The computations are filed in Geodesy and bear the accession number 8104/GT7, G-8884. All of the stations fall on T-9512 and T-9512-A so that these manuscripts and the Descriptive Report are labeled "CONFIDENTIAL" and will be filed with others in this category. Chart Letter No. 359 (1951) has been marked also.

Reviewed by:

*Classification Removed
4/20/52

Lena T. Stevens
Note:
A considerable amount of rock ledge and gravel has been added to the manuscript T-9512A in purple ink from photographs taken in June 1952. These photos were taken at approximate mean low water.

H.R. Brooks
2-26-54

Breezes and shoreline corrections added from the same photographs. 3-12-54
H.R.B.

Map manuscript number changed from T-9512A to RS-507
12-13-54
H.R.B.
MEMORANDUM FOR: ELKINER, U.S. COAST AND GEODETIC SURVEY, DEPARTMENT OF COMMERCE
ATTENTION: Administrative Planning Section
SUBJECT: Classification Clearance of USC&GS Shoreline Manuscripts


2. The subject manuscripts are returned herewith. There is no objection to their publication in unclassified form.

FOR THE ASSISTANT CHIEF OF STAFF, C-2:

2 Inc1

1. Manuscript T-9512 S. Colonel, GN
2. * T-9512A Chief, Training Division
# Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/26/51</td>
<td>232</td>
<td>H. W. Burgoyne</td>
<td>Before After Verification and Review - Partially Applied</td>
</tr>
<tr>
<td>4/24/52</td>
<td>1207</td>
<td>H. W. Burgoyne</td>
<td>Before After Verification and Review - Partially Applied</td>
</tr>
<tr>
<td>4/20-73</td>
<td>246</td>
<td>J. Healey</td>
<td>Before After Verification and Review - Adequately Applied Superceded by BA 98382, 98352 L-57/5767 A 58562</td>
</tr>
<tr>
<td>5-2-73</td>
<td>1207</td>
<td>L. E. Everitt</td>
<td>Before After Verification and Review - No Corrections, EP 97462, 97361</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Before After Verification and Review</td>
</tr>
</tbody>
</table>

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.