

5775

Draw'd on Diag. Ch. No. 1207-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. _____ Office No. T-5775

LOCALITY

State Massachusetts

General locality Nantasket Roads and vicinity

Locality Boston Harbor

1940

CHIEF OF PARTY

L. W. Swanson

LIBRARY & ARCHIVES

DATE _____

B-1870-1 (1)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. T - 5775

REGISTER NO.

State MASSACHUSETTS

General locality Boston Harbor (Outer Harbor)

Locality Nantasket Roads and Hull Bay VICINITY

Scale 1:10,000 photographs
Date of ~~survey~~ July 17, 1938, from 8:45 to 10:00 a.m.

Vessel Air Photographic Survey Party No. 2

Chief of party L.W. Swanson

Field Inspection -- E.L. Jones,
Surveyed by Radial plot -- I.M. Zeskind

Inked by I.M. Zeskind

Heights in feet above ---- to ground to tops of trees

Contour, Approximate contour, Form line interval ----- feet

Instructions dated August 15 and November 3, 19 39

Remarks: -----

Photographs

Number	Date	Time	Scale	Alt.	stage of Tide
Nine Lens					
2502 to 2505	7-17-38	9:17 to 10:09	1:10,000		0.5 Ft. Above M.L.W.
2512 to 2516	"	AM.	"		0.8 "
2522 to 2525	"		"		1.1 "
2526 to 2529	"		"		1.2 "
2535 to 2536	"		"		1.5 "
2543 to 2547	"		"		1.7 "
2548 to 2550	"		"		1.8 "
9038 to 9041	4-21-42	1:45 to 2:57 PM.	1:20,000		7.5 "
13408	4-12-43	10:02 AM.	"		1.0 "
Single lens					
1806 to 1816	6-8-44	6:15 PM.	1:10,000		0.0 "
1834 to 1865	6-8-44	"	"		0.0 "
1879 to 1892	6-8-44	6:45 PM.	"		0.1 "
1916 to 1938	6-9-44	6:30 PM.	"		0.3 "
1957	"	6:45 PM.	"		0.2 "
2022 to 2026	"	7:15 PM.	"		0.1 "

DATA RECORD

T - 5775

PHOTOGRAPHS

Number	Date	Time	Scale	Alt.	Stage of Tide
1201,02,04	July 17, 1938	8:45 to	1:10,000	Unknown	About 1 ft. above MLW
1214 to 1216:	"	10:00 a.m.:	"	"	do
1226 to 1229:	"	:	"	"	do
1235 to 1237:	"	:	"	"	do
1243 to 1246:	"	:	"	"	do
1248 to 1250:	"	:	"	"	do
GSF 7 217 *	Dec. 15, 1938	Unknown	"	"	Unknown

Camera: U.S. Coast & Geodetic Survey Nine Lens (Focal length $8 \frac{1}{4}$ inches).
 * U.S. Dept of Agriculture single lens (focal length unknown).
 All other negatives on file in the Washington Office.

Tide from predicted tables for Rainsford Island, Nantasket Roads, Mass.

SUPPLEMENTAL SURVEYS

Graphic Control Sheets: None
 Field Inspection..... E. L. Jones..... Sept. 8 to Nov. 1, 1939.
 Name Investigation..... E. L. Jones

GENERAL INFORMATION

Chief of Party.....L.W. Swanson.....
 Projection by.....Ruling Machine, Washington Office, Date Unknown
 Projection checked by..Washington Office,.....Date Unknown
 Hydrographic Radial Points pricked by.....E. L. Jones, December, 1939
 Additional Radial points pricked by.....I. M. Zeskind....Jan. & Feb., 1940
 Control Plotted by.....G. W. Lovesee.....Dec. 17 & 18, 1939.
 Control checked by.....I. M. Zeskind.....Dec. 19, 1939.
 Radial Plot by.....I. M. Zeskind.....Jan. 3 - 9, 1940.
 Shoreline inked by.....I. M. Zeskind.....(Jan. - March, 1940
 Detail inked by.....I. M. Zeskind.....(
 Preliminary review by.....

STATISTICS

Area (land)..... 7.0 Square Statute miles
 Shoreline (more than 200 m. from opposite shore)..32.0 Statute Miles
 Shoreline (creeks)..... 0.5 " "
 Roads, streets, trails and railroads.....40.5 " "

REFERENCE STATION

ANDREWS, 1934
 Latitude 42 17' 56.285" (1736.7 m) Datum: N.A. 1927
 Longitude 70 55' 56.293" (1289.4 m) Adjusted -

X coordinate: 753584.47 Ft.

Y coordinate: 473850.99 Ft.

Mass. (Mainland Zone)

26. CONTROL:

Triangulation: (57)

Nantasket	1846	r	1934
Moonhead 2	1860	r	1939
Andrews (reference station)	1934		
Hog	"		
Hull	"		
Standish	"		
Strong	"		
Warren	"		
Spectacle Island (USE)	"		
Spectacle I. (Broad Sd. Chan.) Rg.F.	1904	r	1939
Spectacle I. (Broad Sd. Chan.) Rg.R.	"		"
Spectacle Island, small stack	1934		"
Fort Strong (USE)	"		
Nantasket Ref. Mark No. 4 (MGS)	1904		"
Nantasket, Telegraph Hill tower	1934		"
Lovell Island, Range Rear	1904		"
Lovell Island, Range Front	1934		"
* Gallups Island, 2, 1	1860	r	1933
Gallups Island, flag	1846		"
Gallups Island, east light	1934		1940
Gallups Island, cupola	"		1939
Gallups Island, south light	"		"
Gallups Island, stack	"		"
Long Island, stack	"		"
Long Island, cupola	"		"
Long Island, Head, lighthouse	1902		"
* Long Island, south end, 2	1860		
Nix Mate Beacon	1847		"
Narrows Beacon	1934		"
Narrows Lighthouse	"		"
Narrows stone beacon	"		"
False Spit Beacon	"		"
* Peddocks Island, West Mast	"		"
* North Peddocks Island 2	1860		1933
* South Peddocks Island	"		"
Windmill Point Lighthouse	1934		1939
Harrys Rock Light	"		"
Boston Lighthouse	1834		"
Allerton Coast Guard Flagtower	1934		"
* Point Allerton, dark cupola	1915		1933
Hull, Strawberry Hill standpipe	"		1939
Hull, Strawberry Hill tank	1934		"
Hull, Allerton Hill, white cupola	1915		"
Sunken Ledge Light	1934		"
Sunken Ledge Beacon	"		"
N.E. Mile	1936		"
S.W. Mile	"		"
Prince (U.S.E. & M.S.G.S.)			
Supply (U.S.E.)			
South Peddocks Island	1860		1933
Nantasket R.M. No. 4 (MGS)			
* 85-A (MGS)	* 85-E (MGS)		
* 85-B "	* 85-F "		
* 85-C "	* 85-G "		
* 85-D "			

* = Plotted during review. * Becomes "Wireless, USE, 1938"

DESCRIPTIVE REPORT
to accompany
AIR PHOTOGRAPHIC SURVEY SHEET NO.T-5775
STATE OF MASSACHUSETTS

NANTASKET ROADS - HULL BAY

Date of this report.....March 15, 1940.

INSTRUCTIONS:

This map drawing is a part of project HT-227, dated September 28, 1938. For authority to detail this sheet smooth draft, see the Director's letter of February 2, 1940.

FIELD INSPECTION:

Field inspection and investigation of names of this sheet were made by Edmund L. Jones, Jr. H. & G. E., from September 8 to November 1, 1939.

PHOTOGRAPHS:

The nine lens photographs were taken with the U.S. Coast & Geodetic Survey Nine Lens Camera. The single lens photographs were gotten from the U.S. Geological Survey. These single lens photos were originally on a scale of 1:24,000 and were enlarged to a scale of 1:10,000 for use by this party. *Also single lens photographs 1:10000, which were taken at low water 6-8-44.*

CONTROL:

All control used on this sheet was U.S.C. & G.S., except for the following:

Prince: This station is listed both as a U.S.E. and M.S.G.S. station.

Fort Strong: This station is listed both as a U.S.E. and U.S.C. & G.S. station.

Peddocks Island, W.Mast, 1934: Although this station has been destroyed, it was used on this sheet because the pictures were taken previous to the destruction of this mast. After this sheet has been verified by the Washington Office, this station should be erased from the sheet. *This Radio mast was destroyed in 1938. The US Engineers have marked the center of the concrete base of the mast with a use disk and have named the station "Wireless USE," 1938. For topographic purposes this station is identical with "Peddocks Island, West Mast."*

RADIAL PLOT:

Due to an abundance of control, a separate plot was run for this sheet in the usual manner. Because of a slight twist in the center mask at the time of printing, the control in these masks was not held to at the time the plot was run. The radial points in the areas covered by the center masks were gotten from adjoining pictures whose centers did not fall in these areas. Excessive tilt was noted in picture No. 2545. Although single lens pictures Nos. 7-217 and 3-121 fell in the limits of this sheet, only 7-217 was used. Detail to be gotten from No. 3-121 fell on the end of the picture, and since there were sufficient 9 lens pictures to get whatever radial points were necessary to properly delineate detail involved, this single lens photo was not used. Good intersections were gotten throughout the sheet.

DETAIL:

All buildings were shown on the islands, since they were of small area and contained comparatively few buildings. However, on the peninsula on the east side of the sheet which runs from Pemberton to Kenberma, buildings were only shown along the shoreline, except for public buildings.

Roads were detailed according to the field inspector's notes shown on the field inspection prints.

Detail of military areas were only shown in a very general manner. At the time of field inspection, the office of the U.S. Army, Harbor Defence of Boston, was contacted to determine which of the areas were termed modern fortifications so that the areas could be detailed according to standard practice. This information was not obtained and it was understood that the Army would make recommendations through official channels concerning this matter.

Due to the fact that seawalls wherever they appear on this sheet slightly back of the shoreline were too close to the shoreline to sharply delineate both, it was the judgment of the detailer that these seawalls should be left off the sheet. However, one exception was made on the north side of the peninsula between Pemberton and Pt. Allerton where the seawall was shown.

Attention is called to areas marked "A" & "B", and to the notes pertaining to them. These areas should be investigated by the hydrographic party for location and better delineation of objects as noted.

The N.Y., N.H. & H. R.R. tracks have been removed from the peninsula.

There is a steel lookout tower at the Allerton C.G. Depot which could not be pricked by the field inspector and was, therefore, not shown on this sheet.

The names of streets are not shown on the overlay. We are, however, submitting a map entitled "Plan of Hull and the Northerly Part of Hingham, Mass., December 1927, by Walter B. Foster, C.E., Hingham, Mass.", which contains the names of the streets.

HYDROGRAPHIC SIGNALS:

A number of natural objects have been located on this sheet for use as a hydrographic signals. These objects are shown by black circles 1.5 mm. in diameter. *These circles have been changed to 2.5 mm. in diameter and are shown in green.*

RECOVERABLE TOPOGRAPHIC STATIONS:

Descriptions on card form No. 524 are submitted for 3 objects which are shown on the sheet, i.e., *Filed under sheet 5775*

Concrete Stack, 125 ft.
Stack, low square brick, red
B.M. No. 7, Georges Island
B.M. No. 3, Georges Island

COMPARISON WITH PREVIOUS SURVEYS:

T - 2155, 1893

The following changes were noted.

Long Island:

Lat. 42 19.7' & Long. 70 57.6': The shoreline for a distance of about 180 m. has receded a maximum of about 30 m.

Lat. 42 19.5' & Long. 70 57.9': The shoreline has moved N.W. about 10 m.

Lat. 42 18.8' & Long. 70 58.4': The shoreline has moved N.W. about 30 m.

At the southern tip of the Island there is a general erosion on the W. side.

Lat. 42 18.7' to 18.9' and Long. 70 58.0' to 58.25: The shoreline is moving seaward to a maximum of about 90 m.

North of Lat. 42 18.9' to 19.0' and Long 70 58.0': The shoreline has receded about 15 m.

Lat. 42 19.6' and Long. 70 57.9': The shoreline has moved seaward about 30 m.

Spectacle Island:

Lat. 42 19.5' and Long 70 59.2': The eastern side of the island has been filled in to a width of about 300 m.

The N.W. side of the Island is eroding (about 20 m. max.) and filling in on the N.E. side (about 30 m. max.).

S.W. and S.E. sides are slightly receding.

The southern end of the Island is filling in to a maximum of about 30 m.

Moon Head:

On the N.W. side about Lat. 42 18.2' and also on the south side of this point of land, there is a slight recession (about 10 m.).

South Side, Long. 70 59.4' to 59.8': The shoreline is moving outward (about 30 m. max.).

Hangman Island:

In general, there is good agreement between the sheet and T-2155. The following exceptions, however, occur.

So. Side of Island: Several rocks are shown on the south side of the Island on T-2155 which do not appear on this sheet and should be investigated by the hydro party.

Rainsford
Ramsford Island (Called Rainsford Island on T-2155):

Lat. 42 18.7' to 18.8', North Side: A slight erosion has taken place (about 15 m.).

Lat. 42 18.7' & Long 70 57.3 to 57.46': The shoreline has moved outward (about 15 m.).

N.W. Tip: The shoreline has moved outward (about 25 m.).

Lat. 42 18.7' & Long. 70 57.2', South Side: The shoreline has moved outward about 30 m.

Peddocks Island: Southern Half.

In general there is a good agreement of the shorelines between the two surveys, except that the mainland now connects with Prince Head.

T - 2154, 1893

Peddocks Island: Northern Half.

N.W. end of Island from Lat. 42 17.8' & Long. 70 56.1' to Lat. 42 18.16' and Long. 70 55.7: The shoreline has receded to a maximum of about 25 m.

N.E. end of Island from Lat. 42 17.9' & Long. 70 55.7' to Lat. 42 18.1' and Long. 70 55.65': The shoreline has moved outward about 40 m.

Except for the above, there is a good agreement of the shoreline between the two surveys.

Georges Island:

In general there is a good agreement between the shorelines on the two surveys. There is a slight erosion of the N.W. point of land, and some filling in on the west side of the Island south of the dock.

Gallups Island:

The following differences were noted.

There is a general moving outward of shoreline on the N.W. and N. sides of the Island (about 25 m.).

Erosion has taken place on the eastern end of the Island (about a max. of 90 m.).

The shoreline has moved outward (about 20 m.) on the south side of the eastern end of the Island.

Great Brewster:

In general, the agreement is good except for the S.W. end of the Island which has eroded about 90 m.

Great Brewster Spit:

The S.W. end of this spit has shifted S.E. from 40 to 80 m.

Shag Rocks:

The general agreement of the shoreline between the two surveys is good.

Little Brewster:

The same as above applies.

Penninsula:

In general there is a good agreement of the shoreline between the two surveys.

W. End of Windmill Pt.: The shoreline has moved outward about 20 m.

N. Side of Pemberton between Long. 70 55.2' and Long. 70 54.8': The shoreline has receded to a maximum of about 25 m.

There has been a slight recession (about 10 m. max.) on the N. side of the Peninsula between Stony Beach and Pt. Allerton.

Lat. 42 18.3' & Long. 70 54.0' to Lat. 40 18.25' & Long. 70 53.1': The shoreline has moved outward. South of the pond the shoreline has moved outward to a maximum of about 100 m.

Hog Island:

In general, the agreement of the shorelines between the two surveys is good, except for the S.E. tip which has moved northward a maximum of 20 m.

COMPARISON WITH CHART NO. 246, Revised to April 28, 1939.

Due to the differences in scale between this sheet and the above mentioned chart, small differences in shoreline could not always be ascertained. However, in general the differences enumerated above apply.

In making comparisons by means of the projector, however, it appears that the projection on the chart was erroneous.

JUNCTIONS:

Sheet No. T-5774, North Side. This is a water area, and, therefore, no land junctions are involved.

Sheet No. T-5771, N.E. Side. This is a water area, and, therefore, no land junctions are involved.

Sheet No. T-5772 W. Side. As only a very ^{small} section of the N.E. tip of this Island falls on T-5775, the whole of the Island is shown on T-5772. There is good agreement of the shoreline and detail of the peninsula between Moon Head and Squantum.

Sheet No. T-5776, S. Side. The Shoreline only has been completed at the time of writing of this report. The agreement of shoreline is good. *This Junction is in good agreement.*

COAST PILOT INFORMATION:

Corrections were made in duplicate on pages of the Coast Pilot, Atlantic Coast, Section A, 1933, and were forwarded to the Washington Office on February 9, 1940.

GEOGRAPHIC NAMES:

The geographic names in this area have been made the subject of a special report, - "Special Report on Investigation of Geographic Names in South Portion of Boston Harbor, Mass., Feb. 1, 1940, by Edmund L. Jones, Jr. H. & G. E." The names were investigated in accordance with Field Memo No. 4, 1935. Name Sheet No. 1 prepared on Chart No. 246, covers the area of this map drawing sheet, and was forwarded to the Washington Office on February 8, 1940. *LVA 9/11/145*

This name sheet shows all the information resulting from the investigation, except for a discussion of the reasons for the recommendation of the geographic names where a difference in name or spelling exists, which differences are discussed in the above mentioned report.

Due to the above mentioned report, the usual geographic name forms were not made for this descriptive report.

LANDMARKS:

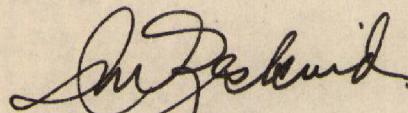
A list of Landmarks has been prepared on forms No. 567 covering charts Nos. 240, 246 and 248. Notations as to retention, deletion or new landmarks have been made on the above mentioned charts. These forms and charts will be sent to the Washington Office. *Chit. Let No. 165 1940*

RECOMMENDATION FOR FUTURE SURVEYS:

This sheet is believed to be complete in all detail of importance for charting and no additional surveys are required.

The probable error of radial points and of well defined objects along the shoreline is not greater than five meters. The error of inland radial points and detail of importance is not greater than 10 meters.

Respectfully submitted,



I. M. Zeskind,
Photogrammetric Aid (Field)

Approved: *3-11-40*

L. W. Swanson
L. W. Swanson,
Chief of Party.

REVIEW OF AIR PHOTO COMPILATION NO. 5775

Chief of Party: L. W. Swanson

Compiled by: I. M. Zeskind

Project: H. T. 227

Instructions dated: Sept. 28, 1938

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, c, d, e, g and f; 26; and 64)
2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 e, n)
3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d, e)
No ground surveys were made.
4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)
5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.
There are no contemporary plane table or hydrographic surveys.
6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b, 44; and 66 c, d, e)
- High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, ~~38~~, 39, 40, 41)
9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. ~~44~~, 40, and 57)
10. A list of landmarks ^{will be} furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e, and 60)
11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)
12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)
13. The geographic datum of the compilation is N.A. 1927 Adj. and the reference station is correctly noted.
14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 68)
15. The drafting is satisfactory and particular attention has been given the following:
 1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
 2. The degrees and minutes of Latitude and Longitude are correctly marked.

3. All station points are exactly marked by fine black dots.
4. Closely spaced lines are drawn sharp and clear for printing.
5. Topographic symbols for similar features are of uniform weight.
6. All drawing has been retouched where partially rubbed off.
7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

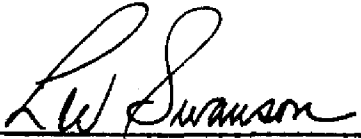
(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.

17. Remarks:

A "Plan of Hull and the Northly Part of Hingham ? Mass. dated December 1927, by Walter B. Foster C.E., Hingham, Mass. accompanies this sheet.

18. Examined and approved;


Chief of Party

19. Remarks after review in office:

Reviewed in office by:

Examined and approved:

Chief, Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of Hydrography
and Topography.

Low water line, shoal line, rocks, ledges, wrecks and shoreline structures such as piers, warehouses, docks, etc. have been corrected in the Washington Office from Coast and Geodetic Survey photos dated 6-8-44 and 6-9-44 taken at approximately low water. U. S. Army photos were used in areas not covered by Coast and Geodetic Survey photos. Corrections are in red. Shoal line is shown in a red dashed line and low water line has been dotted. All corrections are subject to revision by the Hydrographic Survey Party.

See note on offshore details

Approved by:
L. C. Lande
9-2-44

Applied by:
K. N. Maki
K. N. Maki

Inshore details applied to manuscript from above photos and are shown on the manuscript in green. Hydrographic surveys H-6642 and H-6643 ~~are~~ covering this area are now reviewed. This survey has been compared with the hydro sheets and all discrepancies eliminated. Shoal lines mentioned above have been deleted because it is felt that they are superseded by the more detailed hydro surveys.

J. K. Wilson

September 9, 1944

MEMORANDUM

To: Chief, Nautical Chart Branch

Subject: Corrections to planimetric maps - Boston Harbor

Planimetric map manuscripts T-5771, T-5772, T-5774, T-5775, and T-5776 recently have been revised from new single lens photographs taken June 8 and June 9, 1944.

These manuscripts previously have been applied to the charts, but the revisions are shown in red and are readily apparent. The new photographs were taken at the +0.2 to -1.5 feet tide, and the revisions include low water line and apparent shoal areas outside of low water line. While the low water line as shown in red is subject to some error due to the minus tide, it can be accepted as a good approximation. On the other hand, all details outside of the low water line, such as shoal areas, etc., are subject to verification and correction by the hydrographic party. Attached is a copy of a letter to the Supervisor, Northeastern District regarding field edit of these revisions.

Details outside of the low water line are considered as information for the hydrography and will not be carried forward on the finished maps. An ozalid print of each of the revised manuscripts showing the shoal areas, etc. will be registered with the completed planimetric maps until the hydrographic surveys have been verified and reviewed.

See Note on offshore details

B. G. Jones

B. G. Jones

September 9, 1944

To: Supervisor, Northeastern District
U. S. Coast and Geodetic Survey
Tenth Floor, Customhouse
Boston 9, Massachusetts

From: The Director
U. S. Coast and Geodetic Survey

Subject: Revision of planimetric maps - Boston Harbor

Reference: Letter from this office dated August 16, 1944, entitled Project CG-246-Boston Harbor

Planimetric maps T-5771, T-5772, T-5774, T-5775, and T-5776 recently have been revised from the single-lens photographs taken June 8 and June 9, 1944. The stage of the tide when these photographs were taken was from +0.2 feet to -1.5 feet. The Army photographs taken in April, 1944, and furnished by your office were also used to a limited extent for pier line corrections.

The revisions have included low water line and apparent rocks and shoals outside of the low water line. Two exact prints of each of the revised planimetric maps have been forwarded to you.

Rocks and shoals outside of the low water line have been delineated for use of the hydrographic party. These details are subject to verification and correction during the progress of the hydrography. They will be charted from the completed hydrographic surveys and will not be shown on the finished planimetric maps.

The low water line as delineated on the planimetric maps is subject to some error due to the minus tide, but in general should be a close approximation. This line

is also subject to revision by the hydrography, but will be used in charting, pending completion of the hydrographic surveys, and will be shown on the planimetric maps.

On one set of the ozalid prints forwarded to you notes have been underscored in green requesting field inspection of certain details. These include possible remains of piers and also include certain uncharted areas. Please endeavor to inspect these areas, make necessary notes on one set of the ozalid prints, and return them to this office as soon as practicable.

It is thought that the copies of the revised planimetric maps will suffice, but prints of the low water line photographs will be furnished if requested.

See Note on offshore details

Director

GEOGRAPHIC NAMES

Survey No.

T-5775

1	Name on Survey	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
		A	B	C	D	E	F	G	H	K
✓	Massachusetts				(for title)				USGB	1
	^{Outer} Boston Harbor				"	"				2
	Plymouth County)									3
	Norfolk County)									4
	Suffolk County)									5
	No numbered highways on this sheet									6
										7
✓	Kenberma	✓			422708					8
✓	Strawberry Hill	✓			"					9
✓	Waveland	✓			"					10
✓	Bayside	✓			"					11
✓	Hingham Bay	✓			422709					12
✓	Harrys Rock	✓			"					13
✓	Prince Head	✓			"					14
✓	W. at Gut				"					15
✓	Peddocks Island	✓			"				USGB	16
✓	West Head				"					17
	The Bubble	X			"					18
✓	Sunken Ledge	✓			"					19
✓	Hangman Island	✓			"					20
✓	Quincy Bay	✓			"					21
✓	Moon Head				423709					22
✓	Thompson Island				"					23
✓	President Roads				"					24
✓	Western Way				"					25
✓	Spectacle Island				"					26
✓	West Head				"					27

GEOGRAPHIC NAMES

Survey No.

T-5775

2	Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
✓	Bass Point				423709					1
✓	Long Island Hospital				"					2
✓	Fort Strong				"					3
✓	Long Island				"					4
	Long Island Head Long Island Head L H				"			USGB		5
✓	Quarantine Rocks				"					6
✓	Reinsford Island				"					7
✓	Nubble Channel				"					8
✓	Nixes Mate				"			USGB		9
✓	Cellups Island				"			"		10
✓	Maritime Radio Training Station				"					11
✓	The Narrows				"					12
	Narrows L H				"					13
✓	Lovell Island				"					14
✓	Fort Standish				"					15
✓	Georges Island				"			USGB		16
✓	Fort Warren				"					17
	False Spit				"					18
✓	Black Rock				"					19
✓	Black Rock Channel				"					20
	Whittings Ledge				"					21
✓	Great Brewster Spit				"					22
✓	Great Brewster Island				423708					23
✓	Lighthouse Island				"					24
	Boston L H				"					25
✓	Shag Rocks				"					26
✓	Point Allerton				"					27

(ending with USGB: use
old name for present)

GEOGRAPHIC NAMES

Survey No. T-5775

3	Name on Survey	A	B	C	D	E	F	G	H	K	
✓	Allerton				423708						1
✓	Allerton Hill				"						2
✓	Windemere				"						3
✓	Hull Yacht Club				"						4
✓	Hog Island				"				USGB		5
✓	Fort Duvall				"						6
✓	Stony				"						7
✓	Stony Beach				"						7
	Point Allerton Coast Guard Station				423709						8
✓	Telegraph Hill				"			(old USGB equals Nantasket Hill)			9
✓	Fort Revere				"						10
✓	Hull										11
✓	Hull Hill										12
	Toddy Rocks										13
✓	Pemberton										14
✓	Windmill Point										15
✓	Hull Gut							(old USGB is Nantasket Gut)			16
✓	Fort Andrews										17
✓	Nantasket Roads								USGB		18
	Quincy Bay										19
	Hingham Bay - See #1, line 12										20
✓	Massachusetts Bay										21
	Nantasket Beach										22
	Skill Head										23
	President Roads										24
	Massachusetts Bay										25
											26
											27

Names underlined in red approved
by L. Heck on 9/9/45

DIVISION OF PHOTOGRAMMETRY
Review Report of
Planimetric Map Manuscript T-5775

Subject numbers not used in the review report have been adequately covered in other parts of the descriptive report.

26 Control

Twelve triangulation stations were plotted during review. They have been indicated on the list of control attached to the descriptive report in front of page 1.

28 Details

Buildings and other inshore detail were added to all of the islands, except in the Bayside-Waveland-Kemberma urban areas west of Nantasket Beach.

The survey area T-5775 is covered by H-6642 and H-6643, 1940 which have already been reviewed. Photographs taken in 1944 at the low water stage had been used for revision and addition of alongshore detail and low water line, without reference to the hydrographic surveys. This caused lack of agreement between the planimetric survey and the hydrographic surveys.

The discrepancies between the two types of surveys were resolved in the following manner:

For discrepancies of 0.5 mm or less, the map manuscript was altered to agree with the hydro-graphic survey.

For discrepancies greater than 0.5 mm the hydrographic survey was changed (in red), since features plainly visible on the photographs could be more accurately plotted by photogrammetric methods than by hydrographic methods.

Rock ledges and other offshore detail located by the hydro-graphic survey but not shown on T-5775 were neither investigated nor transferred to the map manuscript.

Rock ledges, etc. located and shown on the map manuscript but not indicated on the hydrographic sheet were carefully investigated. Features of doubtful existence were deleted from the map manuscript; features positively known were retained on the map manuscript but were not transferred to the hydrographic sheet.

All changes were reported to the Nautical Charts Section.

43 Comparison with Previous surveys

T-237	1/10,000	1849-50	T-832	1/5,000	1860
T-238	1/10,000	1847-49	T-833	1/5,000	1860
T-829	1/5,000	1860	T-2154	1/10,000	1893
T-831	1/5,000	1860	T-2155	1/10,000	1893

Shoreline and cultural changes are numerous.

The present survey supersedes the previous surveys for comparable detail in their common areas. (See pg 3-5 of the descriptive report for detailed comparison with T-2154 and 2155)

45 Comparison with Nautical Charts

246 1/20,000 rev. April 1939
See descriptive report.

51 Application to Nautical Charts

Survey T-5775 had not been applied to the charts at the time of review.

Reviewed by:

Under the direction of:

J.K. Wilson 1/12/45 *K.H. M. 10/20/45*

R. M. Berry, Chief,
Review Section 1/12/45

Approved by:

B. J. Jones 11/48
Technical Asst. to Chief,
Division of Photogrammetry

[Signature]
Chief, Nautical Chart Branch,
Division of Charts

for *[Signature]* 12 Nov 48
K. F. Adams Chief,
Division of Photogrammetry

C. K. Green
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Division of Coastal Surveys