

9502

N & S

Diag. Cht. Nos. 1216-2 & 1217-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-59 (50) Office No. T-9502

LOCALITY

State New Jersey

General locality Long Beach

Locality Beach Haven

194 51

CHIEF OF PARTY

Harry F. Garber, Chief of Field Party

Hubert A. Paton, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE February 3, 1956

9502

DATA RECORD

Page 1

T - 9502

Project No. (II): Ph-59(50) Quadrangle Name (IV):

Field Office (II): Pleasantville, N. J.

Chief of Party: Harry F. Garber

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III): 26 May 1950
22 June 1950 (Supplement 1)

Copy filed in Division of
Photogrammetry (IV)

Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 9 Nov 1955

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): TERRACE, 1932

Lat.: 39° 35' 13.595" (419.3m) Long.: 74° 13' 45.885" (1095.0m)

Adjusted
~~unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

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.

DATA RECORD

Field Inspection by (II): L. M. Gazik

Date: Sept. 1950

Planetable contouring by (II): M. C. Moody

Date: Sept. 1950

Completion Surveys by (II): Joseph K. Wilson

Date: Nov. 1951

Mean High Water Location (III) (State date and method of location): Field Inspection, 1950

Projection and Grids ruled by (IV): T. L. J.

Date: 1/7/51

Projection and Grids checked by (IV): H. D. W.

Date: 1/16/51

Control plotted by (III): R. G. Cruz

Date: 4/11/51

Control checked by (III): F. J. Tarcza

Date: 5/2/51

Radial Plot ~~in Stereoscopic~~

Control extension by (III): F. J. Tarcza

Date: 5/2/51

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): B. Kurs
J. CouncilDate: 6-5-51
7/16/51

Photogrammetric Office Review by (III): R. Glaser

Date: Sept. 1951

Elevations on Manuscript R. Glaser
checked by (II) (III):Date:
Sept. 1951

M. C. Moody,
Cart. Sur. Aid

39°30'

Areas contoured by various personnel 74°07'30"
(Show name within area)
(II) (III)

Camera (kind or source) (III):

U.S.C. & G.S. single lens type "0", 6" focal length
camera

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
50-0-980	4-16-50	1321	1:10,000	-0.2 ocean
-981-982	"	1322	"	0.4 (-0.2 ocean)
-983	"	1324	"	0.3 (-0.2 ocean)
-984	"	1324	"	0.3
50-0-1004-1005	"	1339	"	0.4 (0.0 ocean)
50-0-1038	"	1412	"	-0.1 (0.0 ocean)
-1039-1041	"	1413	"	0.1 (0.0 ocean)
-1042-1043	"	1414	"	0.0 (0.0 ocean)
-1044	"	1415	"	0.2 (0.3 ocean)

Tide (III)
From Predicted Tide Tables

Reference Station: SANDY HOOK
 Subordinate Station: BEACH HAVEN
 Subordinate Station: Tucker Island Little Egg Inlet
 Long Point
 Washington Office Review by (IV): K.N. MAKI

Ratio of Ranges	Mean Range	Spring Range
-	4.6	5.6
0.5	2.2	2.7
0.8	3.7	4.5
0.5	2.2	2.7

Date: 5 Feb. 1958

Final Drafting by (IV): F.L. JOHNSON - (T-9502-N)
 (T-9502-S)

Date: 1-7-55

1-12-55

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 3.5 sq. mi.

Shoreline (More than 200 meters to opposite shore) (III): 20.4 mi

Shoreline (Less than 200 meters to opposite shore) (III): 0.6 mi

Control Leveling - Miles (II): 0.0

Number of Triangulation Stations searched for (II): 18 Recovered: 15 Identified: 11

Number of BMs searched for (II): 16 Recovered: 13 Identified: 9

Number of Recoverable Photo Stations established (III): 2 Az. Marks

Number of Temporary Photo Hydro Stations established (III): None

Remarks: * Previous recoverable topo stations, searched for: 13
 recovered: 7

Additional subordinate tide stations:

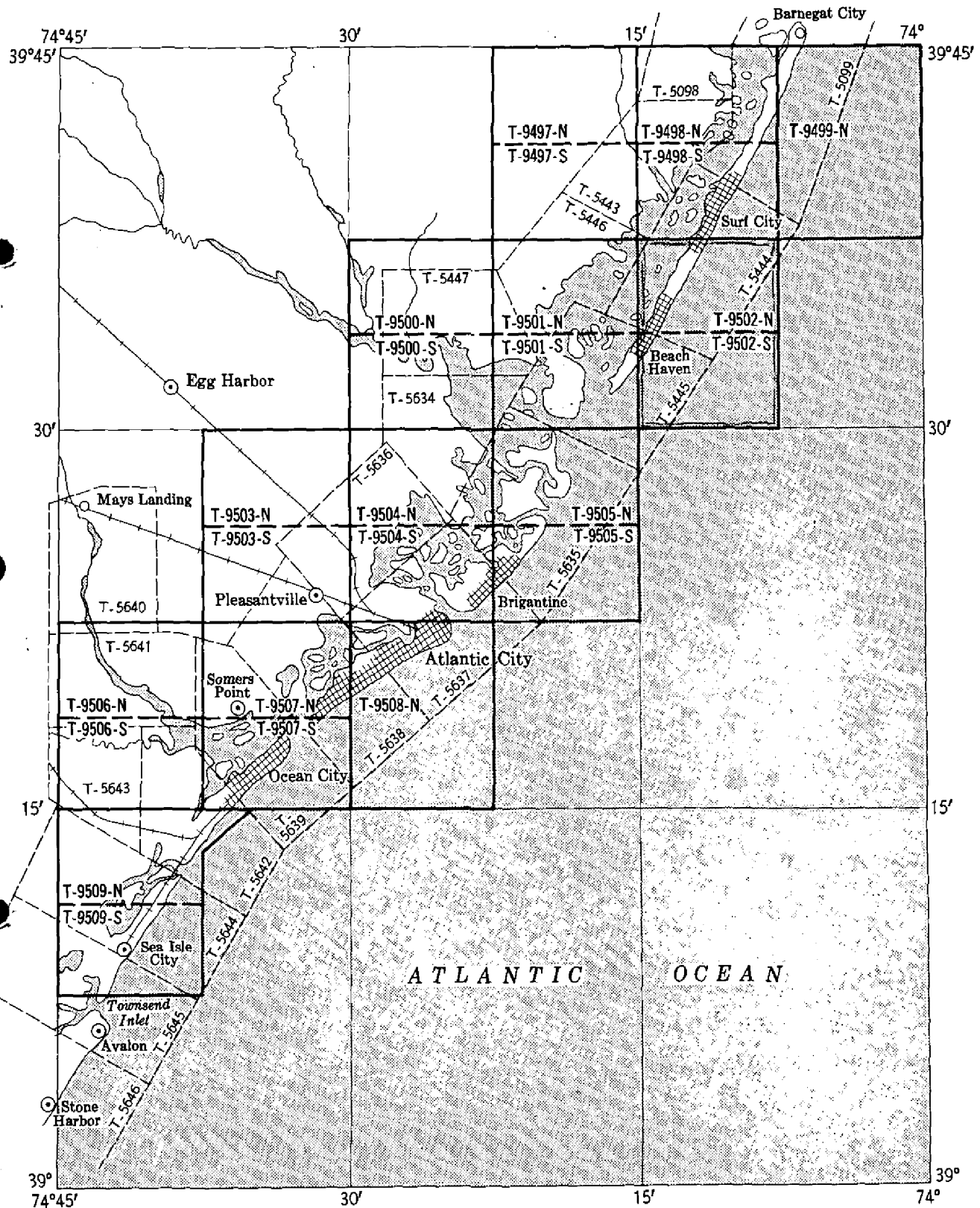
Barnegat Inlet (East of Lighthouse)

Manahawkin Bridge

Holgate

Ratio of Ranges	Mean Range	Spring Range
0.7	3.1	3.8
0.3	1.5	1.8
0.6	2.6	3.1

NEW JERSEY COAST, Townsend Inlet to Barnegat City



T-9497-N, T-9497-S to T-9509-N, T-9509-S are Topographic Maps
 Mapped by the U.S.C. and G.S. from aerial photographs to be taken in 1950
 Scale 1:10,000

Summary to Accompany
Descriptive Report T-9502

Topographic map T-9502 is one of 13 similar maps in project Ph-59(50). This project covers the New Jersey coast from Townsend Inlet north to the borough of Barnegat Light. This map was compiled by graphic methods. The field operations preceding compilation included complete field inspection and the determination of numerous elevations for planetable contouring. The compilation was at a scale of 1:10,000. The manuscript consists of 2 sheets each $3\frac{3}{4}$ ' in latitude by $7\frac{1}{2}$ ' in longitude. The entire map was field edited. The map is to be published by the Geological Survey at a scale of 1:24,000 as a standard $7\frac{1}{2}$ ' topographic quadrangle. The registered copies under T-9502 will include 2 one-half quadrangle cloth-mounted prints at scale 1:10,000 identified as T-9502 N/2 and T-9502 S/2 and a cloth-mounted color print at scale 1:24,000. Hydrographic information furnished by this Bureau, depth curves and soundings, will be included on the color print.

FIELD INSPECTION REPORT
QUADRANGLE T-9502
Project Ph-59

Harry F. Garber, Chief of Party

The field work for this quadrangle was done under the direction of George E. Varnadoe, Cartographic Engineer. In addition to page 3, the work was accomplished by the following personnel:

<u>Name and Title</u>	<u>Phase</u>	<u>Date</u>
E. T. Jenkins Cartographer	Horizontal Control recovery and identification. Shoreline inspection	June-October 1950
H. R. Moore Cart. Sur. Aid	Vertical Control recovery and identification	July 1950

2. AREAL FIELD INSPECTION

The land area of this quadrangle is comprised entirely of a portion of Long Beach Island and a few low marsh islands.

This report is intended to cover the areal field inspection for Long Beach Island in its entirety, although parts of it falls within three other quadrangles: T-9498, T-9499, and T-9501. The reports for these quadrangles will refer to this report for that part of the land area which falls on the island.

The island is a narrow outer bank of sand, approximately 18 miles long, beginning at Barnegat Inlet on the north end, and ending at Beach Haven Inlet on the south end. It is a well-developed summer resort consisting of five municipalities, and is served by a hard-surfaced highway running almost its entire length, which is connected to the mainland by a causeway extending westward from a point about midway of the island.

The photographs were of good quality and no difficulty was encountered in their interpretation, and as the island is practically free from vegetation that would obscure buildings, the compiler should experience little difficulty in their compilation. Many new buildings have been added to the photographs, and it is believed that the field inspection is complete to date.

3. HORIZONTAL CONTROL

All known horizontal control stations were searched for and reported on Form 526. Points opposite the center of the photographs (along the line of flight) were located and identified, in addition to other horizontal control for control of the photogrammetric plot.

(c) Control established by the N.J.G.C.S. was used along with that established by the U.S.C.&G.S. No datum adjustment was made.

(e) The stations reported lost are:

BEACH HAVEN ✓
 Mon. 5299 (N.J.G.C.S.) ✓
 " 8202 " ✓

4. VERTICAL CONTROL

All known vertical control was searched for and reported on Form 685A. Due to the plethora of bench marks, a sufficient number were identified and used so that no additional leveling was necessary to supplement control for contouring.

(a) Listed are the bench marks used:

<u>Designation</u>	<u>Establishing Agency</u>	<u>Order</u>
K 7	U.S.C.&G.S.	First
L 7	"	"
M 7	"	"
N 7	"	"
St. James R.M. 2	N.J.G.C.S.	Unknown
✓ Beach Haven R.M. 2	"	"
Mon. 8203	"	"
" 8204	"	"
" 8205	"	"
" 8207	"	"
" 5297	"	"

5. CONTOURING AND DRAINAGE

The contouring was done by plane-table methods directly on single lens 1:10,000 scale photographs at a contour interval of ten (10) feet. The only contours are along a sand ridge along the eastern side of the island and paralleling the ocean. The highest elevation is ~~21~~₂₈ feet.

The drainage is man-made (storm sewers) along the streets, while seepage takes care of the rainfall along the sand ridge.

6. WOODLAND COVER

There is no woodland cover, the only vegetation being low brush and grass.

7. SHORELINE AND ALONGSHORE FEATURES

Piers, bulkheads and prominent piling that were not clearly discernible on the photographs have been delineated thereon. Piers and bulkheads erected since the date of photography were located by measurements from the nearest identifiable topographic features. As these measurements were short, it is believed that the photograph scale correction would not appreciably affect their positions.

(a) The mean high water line was discernible in the bay area and was delineated on the photographs. On the ocean side, the mean high water line was determined by measurements from identifiable topographic features.

(b) The low or approximate low water line was delineated, where possible, using the same methods of location as for the mean high water line.

(c) The small amount of foreshore in the bay area is composed mostly of sand and mud, while on the ocean side it is composed entirely of sand.

(d) There are no bluffs or cliffs in the quadrangle.

(f) There are no submarine cables in the quadrangle.

(g) Marine railways have been delineated on the photographs and some information as to their capacity shown.

8. OFFSHORE FEATURES

Charts of the area are being submitted separately for verification or deletion of offshore features shown thereon.

A swim stand was located near Beach Haven Terrace with a sextant fix.

9. LANDMARKS AND AIDS

There are three prominent landmarks in the quadrangle. These have been identified on the photographs and reported on Form 567.

(c) There are no aeronautical aids in the quadrangle.

(d) There are nine fixed aids to navigation in the quadrangle (lights supported on single wooden piling), which were located in accordance with Project Instructions. All lights are shown in their comparative correct position on the chart with the exception of light 54. Evidently this light has been recently erected. *See item #65*

10. BOUNDARIES, MONUMENTS, AND LINES

This will be the subject of a special report to be submitted by Mr. R. L. McGlinchey, Cartographic Survey Aid. *Filed in Div. Photogrammetry general files.*

11. OTHER CONTROL

Recoverable topographic stations are: *See item #49*

Incinerator Stack 1935	Hal 1936
Cupola Long Beach C & G Sta. 1935	Zel 1936
E. Gable 3 Story Bldg. 1935	Of 1936
Grey Tank 1935	

12. OTHER INTERIOR FEATURES

Roads and buildings were classified in accordance with current instructions. There are no bridges or cables crossing navigable water in the quadrangle.

13. GEOGRAPHIC NAMES

This will be the subject of a special report to be submitted by Mr. H. R. Moore, Cartographic Survey Aid. *Filed in Geographic Names Sect, Div. of Charts.*

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

In addition to the above-mentioned reports, the field data are listed as "Forms Submitted with Quadrangle T-9502". These are attached to transmitting letter.

23 October 1950
Submitted by:

George E. Varnadoe
George E. Varnadoe
Cartographic Engineer

23 October 1950
Approved by:

Harry F. Garber
Harry F. Garber
Chief of Party

COMPILATION REPORT

T-9502

The photogrammetric plot report covering this survey was made a part of the descriptive report for Survey T-9499.

31. DELINEATION

Manuscript No. T-9502 was delineated by graphic methods.

32. CONTROL

The identification, density, and placement of horizontal control was adequate.

Stations, Sub Pt TERRACE, 1932 and Sub Pt. R.M. 2, BEACH HAVEN, 1937 were not held in the radial plot (See Plot Report).

33. SUPPLEMENTAL DATA

Geographic name standard, dated January 27, 1951, on Corps of Engineers Long Beach, N.J. quadrangle, scale 1:62,500, was furnished by the Washington Office.

U.S. C. & G. S. Nautical Chart No. 825
U. S. C. & G. S. topographic map No. T-5445
Corps Engineers quadrangle of Tuckerton, N.J.
Report on Boundaries, N.J.

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE DETAILS

No comment.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 for three (3) landmarks and nine (9) nonfloating aids to navigation, which appear on the manuscript are submitted with this report.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 were submitted October 17, 1951 for thirteen (13) recoverable topographic stations. Seven (7) previously established stations were recovered, and six (6) were searched for but not recovered. Forms 524 for two (2) AZ MKS originating at the compilation office accompany this report. The recoverable stations are listed under item 49.

39. JUNCTIONS

Junctions have been made and are in agreement on the north with T-9498 and on the west with T-9501. On the east and south are water areas.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41-45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Survey No. T-9502 has been compared with:

1. Corps of Engineers, Long Beach, N.J. quadrangle, scale 1:62,500, published 1948.
2. U.S.C. & G.S. topographic maps, T-5444 (1936) and T-5445 (1936), scale 1:10,000.

47. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-9502 has been compared with: U.S.C. & G.S. chart No. 825, scale 1:40,000, published in July 1946, corrected to April 19, 1951.

Items to be applied to nautical charts:

None.

Items to be carried forward:

None.

Respectfully submitted

Approved and forwarded
14 August 1952

Joseph Steinberg
For
Hubert A. Paton
Comdr., C&GS
Officer in Charge

Jacqueline B. Phillips
Jacqueline B. Phillips
Carto. Photo. Aid

48. GEOGRAPHIC NAMES LIST

Atlantic Ocean

Atlantic Avenue

Bay Avenue

Beach Haven

Beach Haven Borough

Beach Haven Crest

Beach Haven Gardens

Beach Haven Park

Beach Haven Terrace

Beach Haven Yacht Club

Brant Beach

Brighton Beach

Daniel Island

Eagleswood Township

Ham Island

Harris Harbor

Haven Beach

High Island

Intracoastal Waterway
Little Egg Harbor

Liberty Thorofare

Little Egg Harbor Yacht Club (omit)

Long Beach

Long Beach Township

Marshelder Islands

Mordecai Island

North Beach Haven

Ocean County

Parker Island

Peahala Park

Sand Island

Spray Beach

Spray Beach Yacht Club

Names underlined in
red are approved.
2-4-53. L. Heck

49. Notes for the Hydrographer

Nine recoverable topographic stations are shown on the manuscript and listed as follows:

*TANK (~~Grey Tk. 1935~~) 1950 T-6399 *a*
 GABLE (~~HAI-W Gab 1936~~) 1950 T-6399 *b*
 CUPOLA (~~Long Beach C.G. Sup 1935~~) 1950 T-6399 *b*
 BELFRY (~~OF Belfry of Ch. 1936~~) 1950 T-6399 *b*
 GABLE (~~E. Gab 3 story bldg 1935~~) 1950 T-6399 *b*
 CHIMNEY (~~ZEL-Chy 1936~~) 1950 T-6399 *b*
 STACK (~~Incinerator Stack 1935~~) 1950 T-6399 *b*
 BRANTIAZ. MK (1932) 1950
 TERRACE AZ. MK. (1932) 1950

1950
 * Geographic position agrees with 1935 position. 1950
 ^ Form 524 reverts to a "recovery" and the 1935
 date is retained on the manuscript.

*1950 geographic positions supersede previous
 positions. Forms 524 cross referenced and filed in
 general files Div. of Photogrammetry.*

*K.W.M.
 1/24/53*

71
31
78
133

FIELD EDIT REPORT
Quadrangle T-9502
Project Ph-59(50)

Harry F. Garber, Chief of Party

The field edit of this quadrangle was accomplished during the month of November, 1951.

51. METHODS

The quadrangle was inspected by traversing all passable roads by truck, and by walking to other areas which required a special inspection. In addition to visual inspection, standard surveying methods were used for corrections and additions.

All additions, corrections and deletions have been either indicated on the field edit sheets or referenced to the field photographs. A legend describing the symbols and the colored inks used is shown on the field edit sheets.

Two 1:20,000 scale sheets are submitted with the field edit information.

52. ADEQUACY OF COMPILATION

The map compilation was adequate, with the exception of a few corrections and additions.

Attention is invited to the large number of buildings which have been added by the field editor. This is practically all new construction that has taken place since field inspection, and it is still continuing at a rapid rate.

The feature at latitude 39°-34'-15" is a three-masted schooner, "THE LUCY EVELYN", which has been permanently beached and converted into a gift shop.

Measurements, from identifiable topographic points were taken to the Atlantic Ocean mean high-water line with a steel tape. It was found that the severe storm of 1950 did not affect the mean high-water line in this area.

53. MAP ACCURACY

The horizontal positions of the map detail appear to be good.

No accuracy tests were required for the quadrangle.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Mr. T. T. Taylor, civil-engineer and surveyor, who has been a resident in the area for forty years, states that he will be willing to examine a proof copy of this quadrangle for possible errors. Mr. Taylor's address is: Brant Beach, New Jersey.

27 November 1951

Submitted by:

Joseph K. Wilson
H. K. W.
Joseph K. Wilson,
Cartographer

29 November 1951

Approved by:

Harry F. Garber
Harry F. Garber
Commander, USC&GS
Chief of Party

Review Report T-9502
Topographic Map
5 February 1953

62. Comparison with Registered Topographic Surveys:

T-119	1:20,000	1840-41
T-1315a	"	1872
T-2456	"	1899-1915
T-5444	1:10,000	1932
T-5445	"	1932-33
T-6399 a and b	"	1935 (Planetable)
T-6400 b	"	1935, 36 "

A railroad following along the west side of Bay Ave. shown on the previous surveys (T-5444-5) is no longer in existence.

Some changes in shoreline and island shapes occur on T-9502 in comparison with the previous surveys in addition to extensive cultural additions such as bulkheads, roads and buildings.

T-9502 supersedes all the above surveys in common areas.

63. Comparison with Maps of Other Agencies:

Long Beach, N.J., U.S.E. 15' quadrangle, 1:62,500, 1941, copied in 1946.

Differences between the U.S.E. quadrangle and T-9502 are mainly cultural changes which have occurred subsequent to the publication of the U.S.E. quadrangle.

64. Comparison with Contemporary Hydrographic Surveys.-None

65. Comparison with Nautical Charts:

825, 1:40,000, Intracoastal Waterway, ed. 1946,
corr. to 5/14/51
1216, 1:80,000, ed. 1940, corr. to 4/23/51

The geographic position of the Lights shown on T-9502 are not in exact agreement with the positions of the corresponding Lights shown on chart 825. Lights that differ in position approximately 50 meters or more are listed below:

Light 50 - Located approximately 320 meters
northeast of charted position.

Light 54 - Located approximately 100 meters
east of charted position.

Light 56 - Located approximately 60 meters
south of charted position.

Light 57 - Located approximately 50 meters
west of charted position.

Light 59 - Located approximately 50 meters
north of charted position.

The positions of the lights on T-9502 supersede the
positions on the nautical chart.

There are no other significant differences between the
map and the charts with the exception of small differences
in shoreline configuration.

66. Adequacy of Results and Future Surveys: This map complies
with all instructions and is adequate as a base for hydrographic
surveys and the construction of nautical charts. This map complies
with the National Standards of Accuracy.

Reviewed by:

K. N. Maki
K. N. Maki

APPROVED

K. C. Landy
Chief, Review Section
Div. of Photogrammetry

W. L. Swanson
Chief, Div. of Photogrammetry
2 February 1956

H. B. Edmonson
Chief, Nautical Chart Branch
Division of Charts *EFU*

Carl O. Heston
Chief, Div. of Coastal Surveys

History of Hydrographic Information
Quadrangle T-9502
New Jersey

Hydrography was applied to the map manuscript in accordance with Division of Photogrammetry General Specifications dated 18 May 1949.

Soundings and depth curves at mean low water datum, originate with the following:

USC&GS Hydrographic Surveys

H-6142	1:10,000	1936
H-6195	"	"
H-6215	"	"
H-6216	"	"
H-6225	1:20,000	1937
H-6271	1:40,000	"

Hydrography was compiled by C. Theurer and verified by O. Svendsen.

C. Theurer
5 June 1953

MAP T. 9502

PROJECT NO. Ph-59(50)

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
✓ BRANT, 1932	G-1447 Pg. 18	N.A. 1927	39 37 74 11	24.871 50.955				767.0 1215.3	(1083.4) (215.7)		
✓ PEAHALL, 1932	G-1447 P. 18	"	39 36 74 12	16.041 38.931				494.7 928.8	(1355.7) (502.6)		
✓ BEACH HAVEN WATER TANK, 1932	G-1447 P. 30	"	39 33 74 14	46.12 29.78				1422.3 710.9	(428.1) (721.4)		
✓ TERRACE, 1932	G-1447 18	"	39 35 74 13	13.595 45.885				419.3 1095.0	(1431.1) (336.8)		
✓ STANDPIPE, 1932	G-1447 30	"	39 35 74 13	10.199 29.136				314.5 695.3	(1535.9) (736.5)		
✓ RM 2 BEACH HAVEN, NJGCS, 1937	Desc. of Mon. 8156 15881 Deer.		265,544.72 2,120,947.32					166.0 288.7	(1358.0) (1235.3)		
✓ MON 5296 NJGCS, 1937	Desc. of Mon. 8156 15881 Deer.		289,007.83 2,123,143.42			on T-9498		1221.6 958.7	(302.4) (565.2)		
✓ MON 5297 NJGCS, 1937	"		287,485.01 2,132,322.96					757.4 708.1	(766.6) (815.9)		
✓ MON 5298 NJGCS, 1937	"		284,534.17 2,130,626.91					1382.0 191.1	(142.0) (1332.9)		
✓ MON 8201 NJGCS 1937	"		276,598.69 2,125,946.33					487.3 288.4	(1036.7) (1235.6)		
✓ MON 8203 NJGCS 1937	"		272,224.15 2,123,436.81					677.9 1047.6	(846.1) (476.4)		

1 FT. = 3048006 NJGCS. Richter
COMPUTED BY:

DATE 12 Dec. 1950

CHECKED BY: M.F. Kirk

DATE 9 Jan. 1951

M. 2388-12

MAP T. 9502 PROJECT NO. Ph-59(50) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)	FORWARD	(BACK)	FORWARD	(BACK)
✓ MON 8204 NJGCS, 1937	Desc of Mon.		270,786.05 2,122,670.78			239.6 (1284.4) 814.0 (710.0)			
✓ MON 8205 NJGCS, 1937	"		267,281.15 2,121,834.21			695.3 (828.7) 559.1 (964.9)			
✓ MON 8207 NJGCS, 1937	"		262,062.48 2,117,918.64			628.6 (895.4) 889.6 (634.4)			
Sub Pt MON 8203 NJGCS 1937			Plot graphically						
Sub Pt MON 8201 NJGCS, 1937			Plot graphically						
Sub Pt TERRACE, 1932			39 35 74 13			439.9 (1410.5) 1072.9 (357.9)			
Sub Pt BRANT, 1932			39 37 74 11			658.2 (1192.2) 1281.9 (149.1)			
Sub Pt MON 5298 NJGCS, 1937			Plotted graphically						
Sub Pt RM 2 NJGCS BEACH HAVEN, 1937			Plotted graphically						
Sub Pt MON 5298, NJGCS, 1937			Plotted graphically						
Sub Pt MON, 8207 NJGCS, 1937			Plotted graphically						
Sub Pt MON 8205 NJGCS, 1937			Plotted graphically						

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

Baltimore, Md.

Sept. 1951

I recommend that the following objects which have ~~been~~^{been} inspected from seaward to determine their value as landmarks be charted on ~~(attached form)~~ the charts indicated.

The positions given have been checked after listing by

R. Glaser

Chief of Party.

Hubert A. Paton

[illegible]

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

NONTELEGRAPHIC AIDS OR LANDMARKS FOR CHARTS

Baltimore, Maryland

September 1951

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

The positions given have been checked after listing by

R. Glaser

Hubert, A. Pat on . . . *Chief of Party.*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* objects to be considered for the charts of the area and not by the hydrographer shall be mentioned on this form. The data should be considered for the charts of the area and not by the hydrographer.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9502

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ✓ 7. Photo hydro stations None 8. Bench marks ✓
9. Plotting of sextant fixes None 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. ✓ 15. Bridges None 16. Aids to navigation ✓ 17. Landmarks ✓ 18. Other alongshore physical features ✓ 19. Other along-shore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours ✓ 23. Stereoscopic Instrument contours None 24. Contours in general ✓ 25. Spot elevations ✓ 26. Other physical features ✓

CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads None 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 32. Public land lines None

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay ✓ 37. Descriptive Report ✓ 38. Field inspection photographs ✓ 39. Forms ✓
40. _____

Reviewer

R. J. Glaser
Supervisor, Review Section or Unit

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.

Jacqueline B. Phillips
Compiler

Frank J. Larga
Supervisor

43. Remarks:

NAUTICAL CHARTS BRANCH

SURVEY NO. 7-9502

Record of Application to Charts

[illegible]

M-2168-1

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.