9501

N 9S

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-9501

LOCALITY

State New Jersey

General locality Geat Bay

Locality Tuckerton

194/ 52

CHIEF OF PARTY

Harry F. Garber, Chief of Field Party
Hubert A. Paton, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE September 28, 1955

B-1870-1 (1)

9501

DATA RECORD

T - 9501

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

Field Office (II): Pleasantville, N. J. Chief of Party: H. F. Garber

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: H.A.Paton

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

Copy filed in Division of Photogrammetry (IV)
Office Files

Method of Compilation (III): Graphic and stereoplanigraph

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:10,000

Scale Factor (III): 1.000

Date received in Washington Office (IV): *10-18-51* Date reported to Nautical Chart Branch (IV): *10-23-51*

Applied to Chart No. Date: Date registered (IV): AUG 23 1955

Publication Scale (IV): *1:24,000* 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): STORY, 1935

Lat.: 39°33' 36.517" (1126.2m) Long.: 74°18' 35.585" (849.5m) Adjusted
~~Unadjusted~~

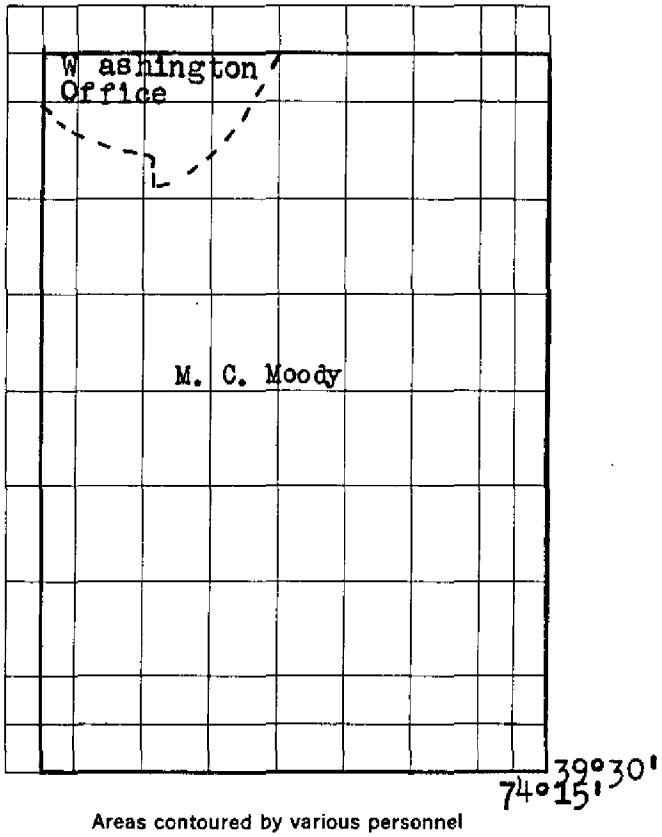
Plane Coordinates (IV): State: New Jersey Zone: ——

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.

M-2618-12(4)



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): M. C. Moody — Date: Sept. 1950

Planetable contouring by (II): M. C. Moody — Date: Sept. 1950

Completion Surveys by (II): Joseph K. Wilson — Date: cJan, Feb ~~March~~ 1952

Mean High Water Location (III) (State date and method of location): 4/16/50; Field Inspection

Projection and Grids ruled by (IV): TLJ — Date: 1-6-51

Projection and Grids checked by (IV): — Date:

Control plotted by (III): R. M. Whitson — Date: 4/12/51

Control checked by (III): F.J.Tarcza — Date: 4/13/51

Radial Plot or Stereoscopic Control extension by (III): F.J.Tarcza — Date: 5/11/51

Stereoscopic Instrument compilation (III):
Planimetry — Date:
Contours — Date:

Manuscript delineated by (III): J. Honick, R.M.Whitson — Date: 11/14/51

Photogrammetric Office Review by (III): R. Glaser — Date: 12/5/51

Elevations on Manuscript checked by (II) (III): R. Glaser — Date: 12/5/51

M-2618-12(4)

Camera (kind or source) (III): U.S.C.&G.S. single lens wide angle type "O" camera, focal length 6"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide (above MLW)
50-0-921-923	4-16-50	1241	1:10,000	0.6
-924-926	4-16-50	1242	1:10,000	0.2
-945-947	"	1258	1:10,000	0.0
948	"	1300	"	0.5
-949-951	"	1300-1301	"	0.5
-969-972	"	1312-1313	"	0.4
973-974	"	1314	"	0.4
974-975	"	1314	"	0.2
1035-1037	4-16-50	1412	"	0.0

Tide (III)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station: SANDY HOOK, N.J.		~~4.6~~	~~5.6~~
Subordinate Station: LONG POINT	0.5	2.2	2.7
Subordinate Station: * TUCKERTON CR. ENTRANCE	0.5	2.4	2.9

Washington Office Review by (IV): K.N. Meki Date: 22 JAN 1953

Final Drafting by (IV): F.L. JOHNSON JR. ON T-9501(S) T-9501(N) Date: 4 JAN. 1955 DEC. 24. 1954

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 29

Shoreline (More than 200 meters to opposite shore) (III): 59 mi

Shoreline (Less than 200 meters to opposite shore) (III): 87 mi

Control Leveling - Miles (II): 19.5

Number of Triangulation Stations searched for (II): 31 Recovered: 27 Identified: 20

Number of BMs searched for (II): 13 Recovered: 10 Identified: 8

Number of Recoverable Photo Stations established (III): **

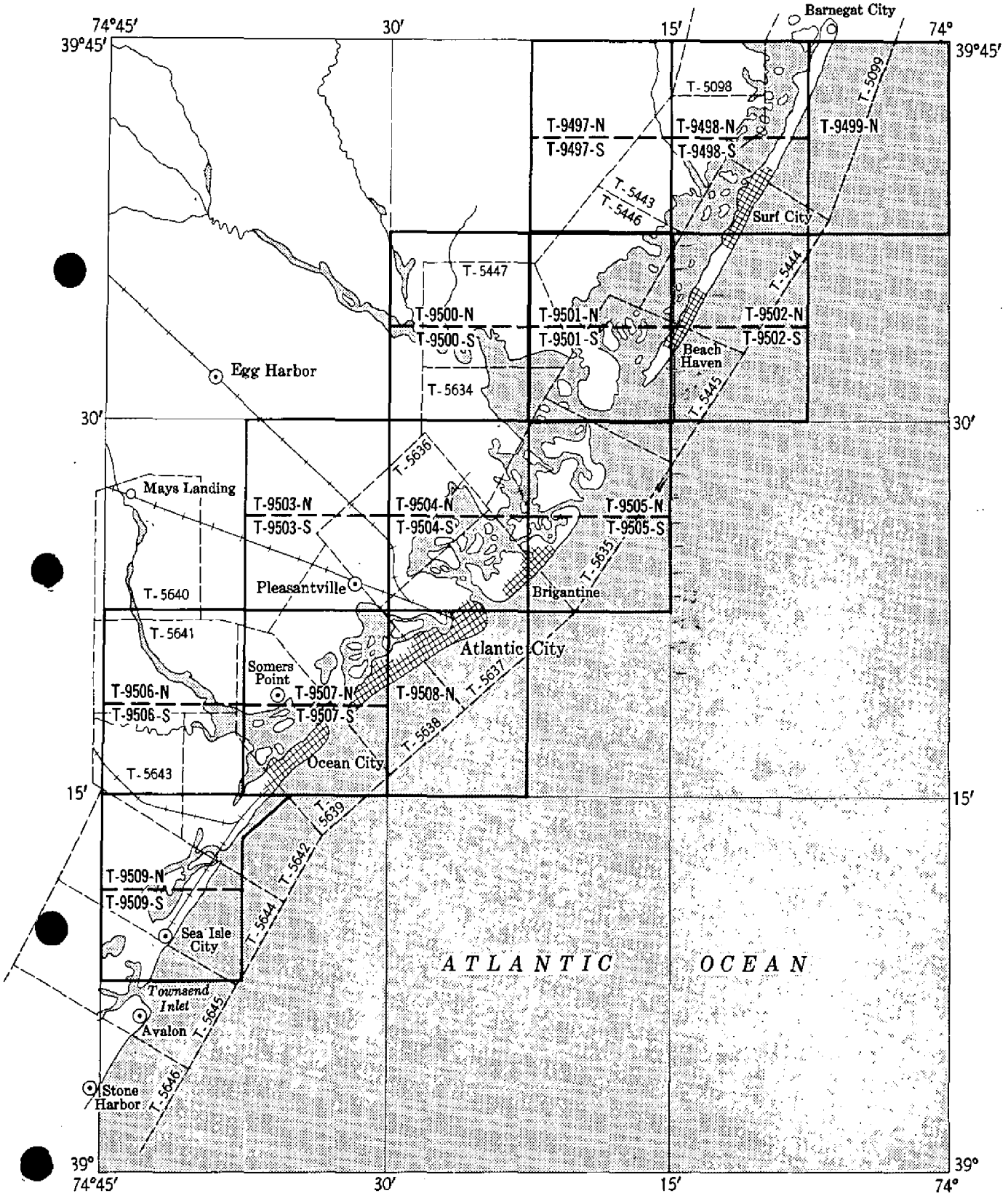
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

** 31 recoverable topo stations are shown on sheet
9 stations were searched for but not recovered

	Ratio of Ranges	Mean Range	Spring Range
* TUCKER ISLAND	0.8	3.7	4.5
HOLGATE	0.6	2.6	3.1
SEVEN ISLANDS	0.8	3.5	4.2

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

-5-

Summary to Accompany Descriptive Report

T-9501

Topographic map T-9501 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 almost entirely by graphic methods. A small portion of the extreme northwest area of the map was compiled on the stereoplanigraph. The field operations preceding compilation included complete field inspection, the establishment of some additional horizontal control and the determination of numerous elevations for stereo instrument and planetable contouring. The compilation was at a scale of 1:10,000. The manuscript consisted of 2 sheets each 3 3/4' in latitude by 7½' 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 7½' topographic quadrangle. The registered copies under T-9501 will include 2 one-half quadrangle cloth mounted prints at scale 1:10,000 identified as T-9501 N/2 and T-9501 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-9501
Project Ph-59

Harry F. Garber, Chief of Party

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

Name and Title	Phase	Date
E. T. Jenkins Cartographer	Horizontal Control Recovery and Identification. Shoreline Inspection.	Aug. to Oct. 1950
H. R. Moore Cart. Sur. Aid	Vertical Control Recovery and Identification	Sept. 1950

2. AREAL FIELD INSPECTION

This quadrangle is composed of about 10% mainland, with several tide water creeks, Little Egg Harbor, Marshland, and a small portion of Long Beach Island. (See report for T-5902 for description of island.)

The Town of Tuckerton, which is incorporated, is the only town in the quadrangle. Tuckerton and the immediate vicinity is adequately served by hard-surfaced and secondary roads. Fishing and Cranberry Culture are the chief enterprises. One historical monument, "The Pulaski Monument", is located in the quadrangle and is identified on Photo 923.

The photographs were of good quality and no difficulty was encountered in their interpretation.

The field inspection is believed to be complete.

3. HORIZONTAL CONTROL

All known horizontal control stations were searched for and reported on Form 526, a plethora of which were identified. Points

opposite the photograph centers (along the line of flight) were located and identified for photographs 50-0-1035, 1036 and 1037. These points were located by short traverses or by triangulation methods. The point opposite the center of photo 50-0-1035 (Control point G) is in an area of isolated sand dunes where topographic features are not to be found as desired. This point, although not as well defined as most, was the best in the area.

A large tank situated in the southwestern part of the quadrangle was located by triangulation. Four directions were observed with a Wild T 2 Theodolite from four or more triangulation stations using intersection triangulation stations (to prevent signal building) for azimuth.

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

(e) The stations reported lost are:

Little Egg
Little Egg 2
Mon 8206 (NJGCS)

4. VERTICAL CONTROL

All known vertical control was searched for and reported on Form 685A.

(a) Listed are the bench marks used:

Designation	Establishing Agency	Order
X 7	U.S.C. & G.S.	First
Z 7	"	"
Mon. 2262 (Falls on T-9500-N)	N.J. G. C. S.	Unknown
Mon. 5249	"	"

(b) 19.5 Miles of differential levels were run with a semi-precise level, along secondary roads, to supplement elevations for contouring. The levels began and closed at bench marks; the greatest error of closure was 0.11 foot. No adjustments were made.

(c) The first and last level points are 01-1 to 01-17.

5. CONTOURING AND DRAINAGE

The northwestern part of the quadrangle was contoured by stereoscopic instruments in the Washington Office, and the remainder by plane-table methods directly on single lens 1:10,000 scale photographs. The dividing line is U. S. Highway 9 to Tuckerton, thence Green Street to Fourth Street and along Fourth Street to the western limit of the quadrangle. The interval is ten (10) feet. The highest elevation is to be found in the northwestern part (contoured by stereoscopic instrument) and is slightly over 100 feet.

The natural drainage is by Jesses, Parkertown, Thompson, and Tuckerton Creeks.

6. WOODLAND COVER

Classified in accordance with current instructions.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline near Beach Haven Inlet is subject to fast change. Areas such as Tucker Island, Goosebar Sedge and the southwestern end of Long Beach Island change sizes and shapes with each storm. The shoreline along Shooting Thorofare near the mouth of Big and Little Sheepshead Creek is fast eroding. In some areas the annual amount has been from 5 to 7 meters since 1935.

(a) The M.H.W.L. along the ocean side of Long Beach Island was determined by measurements from identifiable topographic features. Some of the areas, whose shoreline is subject to fast change, and has changed since the date of photography, was delineated with the approximate mean high water line symbol. Little difficulty was encountered in the delineation of the marsh line (apparent shoreline). However, in some instances the true apparent shoreline would appear photographically as a muddy foreshore and vice versa. These areas were visited and correctly classified.

(b) The low water line was determined and delineated in most cases, by visual observations at low water. Along the marshes, very often, the low water line is synonymous with the mean high water line while near Beach Haven Inlet there was a wide area of foreshore.

(c) The foreshore is composed of sand near Beach Haven Inlet and of mud and sand near Shooting Thorofare. The foreshore has been classified on the photographs.

(e) All wharves, piers and bulkheads not clearly discernible on the photographs were delineated.

(f) The ends of sixteen (16) submarine cables were located. Those that are not self-explanatory on the photographs were located by sextant fixes or short traverses and are discussed under notes to the compiler.

8. OFFSHORE FEATURES

The only offshore features in the quadrangle are a dismantled electric transmission pole near the mouth of Big Sheepshead Creek, and a 10-inch wooden pile near the mouth of Little Sheepshead Creek. These hazards to navigation were located in the same manner as aids to navigation.

9. LANDMARKS AND AIDS

(a) There are nine (9) landmarks in the quadrangle for Nautical Charts. These landmarks are either triangulation or have been identified on the photographs. All are reported on Form 567.

(c) The Aero Beacon (RCA) at 39-33.5 - 74-22.3, the most prominent landmark in the area, is also an aeronautical aid. The revolving light on top is seven hundred and seventy-five feet above the ground.

(d) There are twenty three aids to navigation (lights on single wooden piling) in the quadrangle. These aids were located in accordance with the project instructions. All lights are shown in their comparatively correct positions on the charts with the following exceptions:

1. Light No. 1 (Clear) at Cape Horn. See item 56, 65 and form 567.
2. Light No. 4 (Red) at the mouth of Tuckerton Creek.

All aids to navigation have been listed on Form 567.

10. BOUNDARIES, MONUMENTS, AND LINES

This will be the subject of a special report to be submitted by Mr. R. L. McGlinchey, Cart. Sur. Aid.

11. OTHER CONTROL Refer to item 49.

Ago	(1936)	1950
Chy West Creek Yacht Club	(1935)	1950
Cob (W Gable Wh. Ho)	(1936)	1950
E Radio Marine Tower	(1935)	1950

Eat (1936) 1950
End Pole (1935) 1950
Front Range (USE) (1935) 1950
Get (1936) 1950
Harb 1950
Little Egg C. G. Cupola (New) (1936) 1950
Lub (1936) 1950
Meadow (1935) 1950
N. Gable Middle Island 1950
N. Gable Small Shack (1935) 1950
N. Gable Walk (1935) 1950
N. Radio Pole (1935) 1950
Oto (1936) 1950
SW Gable Hither Island (1936) 1950
Tank 1950
Tuckerton 1st M.E. Ch. (1935) 1950
Tuckerton W T (1935) 1950
Tuckerton Yacht Club (1935) 1950
W Gable (Edge Cove) (1935) 1950

Tuckerton Borough Boundary Mon. 1-T
" 2-T
" 5-T
" 6-T
" 11-T
" 12-T

12. OTHER INTERIOR FEATURES

Roads and buildings were classified in accordance with current instructions.

A privately owned landing strip is located in the quadrangle and is labeled on Photo 950.

The clearances for one bridge over navigable water and five over shallow streams were determined and their clearances shown on the photographs. All bridges are fixed and in all cases where an overhead cable exists it is higher than the bridge, therefore the clearances of these overhead cables were not determined.

The bridge clearances for "Little Sheepshead Creek" is not in agreement with that listed in "List of Bridges Over Navigable Waters of the U. S.". Attached to this report is a copy of a letter to the District Engineer reporting this discrepancy.

13. GEOGRAPHIC NAMES

This will be the subject of a special report to be submitted by H. R. Moore, Cartographic Survey Aid.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

In addition to the above-mentioned reports, the field data are listed as "Forms Submitted with Quadrangle T-9501". These are attached to transmitting letter.

Submitted by:
24 Nov. 1950

George E. Varnadoe
George E. Varnadoe
Cartographic Engineer

Approved by:

Harry F. Garber
Harry F. Garber
Chief of Party

MAP T- 9501 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
CONTROL POINT G, 1950	Computed	N. A. 1927	39 31 23.459 74 16 19.001			723.5 (1126.9) 453.9 (979.3)	
Sub Pt MON 5249 NJGCS, 1935		"	283,856.39 2,096,522.10			1175.4 (348.6) 463.9 (1060.1)	
Sub Pt PARKER, 1935		"	39 36 74 17			812.7 (1037.7) 665.0 (766.4)	
Sub Pt WEST, 1935		"	39 36 74 15			1535.3 (315.1) 1147.6 (284.3)	
Sub Pt MON 2261 NJGCS, 1935		"	279,340.91 2,082,689.44			1323.1 (200.9) 819.7 (704.3)	
MON. 5249 NJGCS, 1935	NJGCS	"	284,105.93 2,096,395.10			1251.5 (272.5) 425.2 (1098.8)	
PARKER, 1935	G-3126 P.345	"	39 36 30.413 74 17 31.127			937.9 (912.5) 742.6 (688.8)	
WEST, 1935	G-3126 P.333	"	39 36 49.892 74 15 47.922			1538.7 (311.7) 1143.1 (288.1)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY J.C.Richter DATE April 19, 1951 CHECKED BY F.J.Tarcza DATE April 17, 1951

MAP T- 9501 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Sub Pt BAY,,1935		N.A. 1927	39 32 74 20			1276.3 (574.1) 1359.2 (73.5)	
Sub Pt BONDS, 1932		"	39 31 74 15			1722.1 (128.3) 1423.2 (9.7)	
Sub Pt EDGE USE, 1946			Plot graphically				
Sub Pt INLET,,1935		"	39 30 74 18			1792.8 (57.6) 163.7 (1269.6)	
Sub Pt JESSIE, 1935		"	39 34 74 19			1121.8 (728.6) 1270.5 (161.5)	
Sub Pt ROSE USE, 1946		"	Plot graphically				
Sub Pt SHEEPHEAD, 1935		"	39 32 74 19			52.1 (1798.3) 669.1 (763.8)	
Sub Pt SHELTER,1935		"	39 35 74 15			142.6 (1707.8) 317.2 (1114.7)	
Sub Pt SHOOTING, 1935		"	39 30 74 19			1159.0 (691.4) 326.1 (1107.3)	
Sub Pt STORY, 1935		"	39 33 74 18			850.2 (1000.2) 711.2 (721.2)	
Sub Pt MON 8208 NJGCS, 1937		"	Plot graphically				

1 FT.=.3048006 METER

COMPUTED BY: J.C.Richter DATE 19 Dec. 1950 CHECKED BY: M.F. Kirk DATE 15 Jan. 1951

M-2388-12

Photogrammetry

MAP T-9501 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
SAINT JAMES, 1932	447 19	N.A. 1927	39 32 49.042 74 15 15.276			1512.5 (337.9) 364.7 (1067.9)	
STORY, 1935	G-3126 341	"	39 33 36.517 74 18 35.585			1126.2 (724.2) 849.5 (582.9)	
STORY ISLAND STACK,1935	G-3126 342	"	39 32 37.061 74 18 12.409			1143.0 (707.4) 296.3 (1136.4)	
TUCKERTON RADIO, 1932	G-1442 18	"	39 33 30.326 74 22 16.839			935.3 (915.1) 402.0 (1030.4)	
MON 2259 NJGCS, ,1935	NJGCS	"	280,587.16 2,091,866.00			179.0 (1345.0) 568.8 (955.2)	
CONTROL POINT "H", 1950	Computed	"	39 30 28.323 74 20 23.676			873.5 (976.9) 565.6 (867.8)	
SAINT JAMES RM 2, 1932	NJGCS	"	260,468.24 2,117,134.85			142.7 (1381.3) 650.7 (873.3)	
MON 8208 NJGCS, 1937	"	"	258,923.55 2,116,110.36			1195.9 (328.1) 338.4 (1185.6)	
EDGE, USE, 1946	USE	"	274,631.22 2,099,006.44			1411.6 (112.4) 1221.2 (302.8)	
WIN, USE, 1946	USE	"	259,218.66 2,094, 924.17			1285.9 (238.1) 1500.9 (23.1)	
Sub Pt. BARREL, 1935		"	39 34 74 16			366.3 (1484.1) 913.5 (518.7)	

Page 15

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE 11 Dec.1950 CHECKED BY: M.F.Kirk DATE 15 Jan.1951

M-2388-12

Photogrammetry

MAP T- 9501 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
FISH FACTORY TANK, 1950	Computed in Office	N.A. 1927	39 31 07.980 74 20 15.258			246.1 (1604.3) 364.5 (1068.8)	
AERO BEACON, 1931 ~~TUCKERTOWN RADIO TOWER, 1931~~	G-1447 30	"	39 33 30.648 74 22 16.339			945.2 (905.2) 390.1 (1042.3)	
BARREL, 1935	G-3126 341	"	39 34 06.834 74 16 35.772			210.8 (1639.6) 853.9 (578.3)	
BAY, 1935	G-3126 342	"	39 32 37.100 74 20 53.546			1144.2 (706.2) 1278.6 (154.1)	
BONDS, 1932	447 19	"	39 31 54.577 74 15 55.748			1683.2 (167.2) 1331.4 (101.5)	
INLET, 1935	G-3126 342	"	39 30 56.982 74 17 59.097			1757.3 (93.1) 1411.7 (21.6)	
JESSIE, 1935	G-3126 334	"	39 34 35.978 74 19 49.331			1109.6 (740.8) 1177.4 (254.6)	
POLE, 1935	G-3126 342	"	39 32 43.180 74 17 48.103			1331.7 (518.7) 1148.6 (284.1)	
ROSE, USE, 1946	USE	"	278,704.13 2,101,147.46			1129.0 (395.0) 350.0 (1174.0)	
SHEEPSHEAD, 1935	G-3126 334	"	39 32 01.479 74 19 30.851			45.6 (1804.8) 736.8 (696.1)	
SHELTER, 1935	G-3126 341	"	39 35 06.959 74 15 12.377			214.6 (1635.8) 295.4 (1136.5)	
SHOOTING, 1935	G-3126 342	"	39 30 36.637 74 19 14.585			1129.9 (720.5) 348.4 (1085.0)	

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE 11 Dec.1950 CHECKED BY: M.F.Kirk DATE 15 Jan.1951

M-2388-12

COMPILATION REPORT

T-9501

The photogrammetric plot report for this survey is part of the descriptive report for Survey No. T-9505.

31. DELINEATION

This manuscript was compiled by graphic methods except for a small area in the NW corner of the survey which was done by stereoplanigraph in the Washington Office and furnished on a worksheet.

32. CONTROL

The identification of the horizontal control was adequate. Refer to item 23 of the photogrammetric plot report for a discussion of the density and placement of the control.

33. SUPPLEMENTAL DATA

1. Special report on boundaries, N.J. lat 39°37'15" to 39°45'.
2. Army Map Service, Tuckerton, N.J. quadrangle scale 1:50,000, dated 1948 for geographic names (name standard)
3. Oil Company road map, New Jersey 1950 for road objectives.

34. CONTOURS AND DRAINAGE

An area of contours in the NW corner of this survey was transferred from a worksheet done by stereoplanigraph in the Washington Office.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

Some low water line information was furnished by the field party. The shoal lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 for 10 landmarks and 23 nonfloating aids to navigation and one aeronautical aid (which is also listed as a landmark) are submitted with this report.

Two nonfloating aids are recommended for deletion.

38. CONTROL FOR FUTURE SURVEYS

Twelve (12) forms 524 were submitted to W.O. December 11, 1951, for the south half of sheet. Sixteen (16) forms 524 were submitted for the north half of sheet October 17, 1951.

Two forms (524) were submitted herewith.

Nine (9) stations searched for but not recovered. The forms 524 are submitted with this report.

39. JUNCTIONS

Junction has been made and is in agreement to the north with T-9497, to the south with T-9505, to the east with T-9502, and to the west with T-9500.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

The manuscript was compared with:

1. Army Map Service, Tuckerton, N.J. guadrangle, scale 1:50,000, dated 1948.
2. USC&GS topographic maps, scale 1:10,000:
   T-5444 (1935)
   T-5445 (1936)
   T-5446 (1936)
   T-5447 (1936)

47. COMPARISON WITH EXISTING CHARTS

This manuscript was compared with the following USC&GS charts:

1. No. 825, scale 1:40,000, published July 1946, corrected to 20 March 1950.

2. No. 826, scale 1:40,000, published June 1949, corrected to 4 September 1950.

Items to be applied to nautical charts:

None.

Items to be carried forward:

None.

Respectfully submitted
22 July 1952

Joseph W. Vonasek
Cartographer (Photo.)

Approved and forwarded

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

32 Old Turnpike

1 November 1950

To: District Engineer
U.S. Engineering Dept.
120 Broad St.
Philadelphia, Pa.

From: H. F. Garber
U. S. Coast & Geodetic Survey
32 Old Turnpike
Pleasantville, N. J.

Subject: Discrepancies in Bridge Clearances

Listed below are discrepancies between the clearances as measured in the field by this party in October 1950 and that published on page 258 of the "List of Bridges over Navigable Waters of the U.S.", of the fixed bridge over "Little Sheephead Creek, N.J."

Published Clearances: Horz. 16 feet
Vert. 6.5 feet above H.W.

Field Measurements: Horz. 18.1 feet
Vert. 14.2 feet above H.W.

Please advise the Director, U. S. Coast and Geodetic Survey, Washington 25, D.C., the Clearance to be shown on this bridge.

Harry F. Garber
Chief of Party.

cc: The Director
U. S. Coast & Geodetic Survey

Anchoring Island (See Field Edit report for T-9505)*
Atlantic County not shown as island on latest chart 826
Atlantic Ocean

Barrel Channel
Barrel Island
Bass River State Forest
Beach Haven Borough
Beach Haven Heights
Beach Haven Inlet
Big Creek
Big Sheepshead Creek
Big Thorofare
Bogans Cove
Bonds ~~C.G. Station~~ Lifeboat Station CGS No. 118
Bunting Sedge

Cape Horn
Channel Cove
Dinner Point
Dinner Point Creek

Drag Sedge

Eagleswood Township
East Sedge
Edge Cove

Fish Factory
Fish Island
Flatteras Creek
Foxboro Point

Gaunt Point Galloway Township
Giffords Mill Branch
Giffordtown

Goodluck Sedge
Goosebar Cut
Goosebar Sedge
Great Bay
Great Bay Boulevard
Greenwood Cemetery

Hatfield Creek
Hatfield Point
Hester Sedge
Hither Channel
Hither Island
Holgate
Horse Foot Cove

* From T-9505 – "island not visible at MLW, name is not recommended"

48. Geographic Names (continued) T-9501

* Intracoastal Waterway

Jeremy Point
Jesses Creek
Jessie Point
Jimmies Creek
Johnny Sedge
Johnny Thorofare

Little Egg Lifeboat Station CGS No. 119
Little Egg Harbor
Little Egg Harbor Township
Little Island
Little Sheepshead Creek
Little Thorofare
Long Beach
* Long Beach Township
Long Point
Long Point Thorofare

Marshelder Channel
Marshelder Point
Mathis Airport
Mathis Road
Middle Channel
Middle Island
Middle Sedge
Mill Branch
Mordecai Island

~~N.J. 4~~ (from Jan. 1953, only U.S. number retained)
N.J. 4A-S
Newmans Thorofare
Nugentown

* Ocean County

Parker Cove
Parker Island
Parker Run
Parkers Landing
Parkertown
Pohatcong Lake
Point Creek
Pole Thorofare
* Pulaski Monument

Radio Road
Rose Cove
Rose Point

48. Geographic Names (continued) T-9501

Sappis Creek
Scow Landing
Seven Islands
Shelter Island
Shooting Thorofare
Sloop Thorofare
Soldiers Hole
Story Island
Story Island Channel

Thompson Creek
Thorofare Point
Tow Island
Tucker Island
Tuckerton
Tuckerton Bay
* Tuckerton Borough
Tuckerton Cove
Tuckerton Creek

Tuckerton Warren Grove Road.

U.S. 9
Weir Creek
West Creek
West Creek Dock Road
West Sedge
West Tuckerton
West Tuckerton Landing
Whirlpool Point
Willis Creek

West Creek Yacht Club.

* Names from road map of Ocean County prepared by the County Engineer dated 1950, and field inspection data. All other names from geographic names standard submitted by the field party.

Names underlined in red are approved. 1-12-53 L. Heck

49. NOTES FOR THE HYDROGRAPHER

The following (31) recoverable topographic stations are shown on the manuscript:

W. TOWER 1950
TOWER ~~(E. Radio Marine Tower 1935)~~ 1950
TOWER ~~(N. Radio Pole 1935)~~ 1950
CHIMNEY ~~(Chy. W. Creek Yacht Club 1935)~~ 1950
CHIMNEY ~~(EAT-Chy-1936)~~ 1950

GABLE ~~(LUB-E. Gab 1936)~~ 1950
** GABLE ~~(W. Gab-Edge Cove~~ ~~1935)~~ 1950
LIGHT ~~(Front Range Light USE 1935)~~ 1950
BUILDING ~~(Tuckerton Yacht Club 1935)~~ 1950
DOME ~~(Tuckerton 1st ME Ch 1935)~~ 1950

TANK ~~(Tuckerton W.T. 1935)~~ 1950

Note: Previous 524 cards on file in Div. of Photogrammetry general files under
T-6399 b
6400 a
6400 b
6401 a
6401 b

MON 12-T 1950
MON 11-T 1950
MON 6-T 1950
MON 5-T 1950
MON 2-T 1950
MON 1-T 1950

Note: 1950 geographic position determined by photogrammetric methods differs from previously determined position; therefore, the date, 1950, is retained on manuscript. The 1950 positions supersede the previous positions. The two sta. marked ** are excepted.

CUPOLA ~~(Bonds C.G. Sta Cup 1924)~~ 1950
TOWER 1952
GABLE ~~(N. Gab small shack 1935)~~ 1950
CUPOLA ~~(Little Egg C.G. Cup-New 1936)~~ 1950
GABLE ~~(COB-W. Gab Wh.Ho. 1936)~~ 1950

* ~~MEADOW~~ PIPE 1950
POLE ~~(End Pole 1935)~~ 1950

GABLE ~~(S.W. Gab Hither I. 1936)~~ ~~1936)~~ 1950
GABLE 1950
GABLE 1950
** GABLE ~~(AGO-W.Gab Bo Ho 1936)~~ 1950

TANK 1950

CHIMNEY ~~(OTO-Chy in W. Gab 1936)~~ 1950
GABLE ~~(N. Gab. Walk 1935)~~ 1950

* Position determined by theodolite fix.

** Previously determined geographic position agrees with 1950 position. Original date retained on map manuscript. 1950 date reverts to recovery date and is deleted from manuscript.

FIELD EDIT REPORT
Quadrangle T-9501
Project Ph-59(50)

Paul Taylor, Chief of Party

The field edit of this quadrangle was accomplished during the months of January and February, 1952.

51. METHODS

The quadrangle was inspected by traversing all passable roads by truck; by skiff in water areas, and on foot in other areas which required special investigation. Standard surveying methods were used for corrections and additions.

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

One 1:20,000 scale sheet is submitted with the field edit information. One 1:10,000 scale section of a print is submitted with the vertical accuracy test; one 1:10,000 scale section with the shoreline changes, and one 1:20,000 scale section with position of a new light.

52. ADEQUACY OF COMPILATION

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

During this investigation, the shoreline at Beach Haven Inlet was noted to have been built up considerably. The new shoreline has been delineated on a copy of a 1:10,000 scale print. This area is subject to a very rapid change. It is therefore recommended that an appropriate notation be made to this effect on the charts.

The swamp areas in this quadrangle were checked and found to be correct.

53. MAP ACCURACY

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

One vertical accuracy test was run along the northwestern portion of the quadrangle on a 1:10,000 scale double-weight matte print. Of the 72 points tested, 80% were in error 1 foot or less and 20% were in error 1 foot to 1/2 contour interval.

Several small errors of contour expression were corrected.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Captain Raymond Huber, of the New Jersey Department of Commerce and Navigation, who has been a resident of this area for forty years and is highly familiar with both the land and water areas, states that he would be willing to examine a proof copy of this quadrangle for possible errors. Captain Huber's address is: State Boat Transit 3, Forked River, New Jersey.

56. LANDMARKS AND AIDS

(a) One Coast Guard lookout tower, located on the Atlantic Ocean beach at Beach Haven Heights, was identified by photogrammetric methods and is recommended for charting.

(d) "Light 2, 1950", located east of Long Point, is now numbered "Lt. 4". "Lt. 1, 1950", located southwest of Shelter Island has been removed. "Lt. 2", which is located in the same vicinity as old Lt. 1, was located during this field edit by planetable methods on a section of a 1:20,000 scale double-weight matte print. The location of Lt. 4 was verified to be correct at this same time.

"Lt. 2, 1950", located northeast of Cape Horn, was removed in 1951. According to Captain Huber, the light will not be replaced.

Forms 567 for the charting and deletion of the lights are submitted with this report.

57. OTHER CONTROL

One topographic station was located during this field edit: Bonds Coast Guard Lookout Tower 1952. Form 524 and M-2226-12 are submitted.

4 March 1952
Submitted by:

Joseph K. Wilson
Joseph K. Wilson,
Cartographer

10 March 1952
Approved by:

Paul Taylor
Paul Taylor
Lt. Comdr., USC&GS
Chief of Party

VERTICAL ACCURACY TEST REPORT
Quadrangle T-9501
Project Ph-59(50)

This report is on the vertical accuracy of contours accomplished in the northwestern portion of this quadrangle by stereoscopic instruments in the Washington Office. A total of 72 points were tested on contours over 1.5 lineal miles.

These tests originated and terminated on level points established at road intersections. The horizontal closure was negligible. The vertical closure was 0.5 foot and appropriate adjustment was made.

The tests proved that of the 72 points tested, 80% were in error 1 foot or less, and 20% in error 1 foot to 1/2 contour interval.

4 March 1952
Submitted by:

Joseph K. Wilson
Joseph K. Wilson,
Cartographer

10 March 1952
Approved by:

Paul Taylor
Paul Taylor
Lt. Comdr., USC&GS
Chief of Party

Form T-2

50-

PHOTOGRAMMETRIC OFFICE REVIEW

T-9501

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 ✓ 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. ✓ 15. Bridges ✓ 16. Aids to navigation ✓ 17. Landmarks ✓ 18. Other alongshore physical features ✓ 19. Other alongshore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours ✓ 23. Stereoscopic instrument contours ✓ 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

_____ 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.

Jack Lonick
Compiler

Joseph W. Lonick
Supervisor

43. Remarks: (See attached sheet)

M-2623-12

62. Comparison with Registered Topographic Surveys.-

H-109	1:10,000	1840
T-119	1:20,000	1840-41
1315a	"	1872
1333	"	1871
2456	"	1899-1915
2640	1:10,000	1903
4077	1:5,000	1924
5444	1:10,000	1932
5445	"	1932-33
5446	"	1932
5447	"	1932
6399b	"	1935 (Planetable)
6400a	"	1935 "
6400b	"	1935,36 "
6401a	"	1935,36 "
6401b	"	1935 "

Numerous large changes are evident in comparing the older surveys with T-9501. Tucker Island on T-9501 has been reduced to a small island in comparison to its size as shown on T-5445 and Beach Haven Inlet has been moved about a mile in a southwesterly direction on T-9501 as compared with its position shown on T-5445. Minor shoreline changes are numerous and generally indicate a receding movement due to erosion.

T-9501 supersedes all the above surveys in common areas.

63. Comparison with Maps of Other Agencies.-

Tuckerton, N.J., U.S.E. 15' quadrangle, 1:62,500, 1932-38, reprinted 1942.

Natural and cultural changes which have occured subsequent to the publication of the U.S.E. quadrangle are quite numerous.

The Ocean County - Atlantic County boundary line is not in agreement on these two maps.

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.
826, 1:40,000, Intracoastal Waterway, ed. 1949, corr. to 12/5/49
1216, 1:80,000, ed. 1940, corr. to 4/23/51
1217, 1:80,000, ed. 1948, corr. to 2/13/50

T-9501 with reference to the larger scale charts 825 and 826 shows the following differences:

Beach Haven Inlet has moved in a southwesterly direction.

Tucker Island has moved in a southward direction and is considerably changed in shape.

Goosebar Sedge is changed in Shape.

Shoreline, in general, has receded and changed in configuration.

Light 78A at approximate latitude 39° 30!3′ and longitude 74° 21!4′ is not on the chart.

Light 2 at approximate latitude 39° 34!8′ and longitude 74° 16!2′ has been moved to the west side of the channel.

Light 2 at Cape Horn has been removed and Light 1 in the same vicinity has been added.

Refer to item 56, Landmarks and Aids.

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

L C Lauf
Chief, Review Section
Div. of Photogrammetry

H C Johnson
Chief, Nautical Chart Branch
Division of Charts

H W Swanson
Chief, Div. of Photogrammetry

Earl O. Heaton
Chief, Div. of Coastal Surveys

29 Sept. 1955

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland July, 19 52

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by L. Mason .Raymond Glaser

H. A. Paton
H. A. Paton *Chief of Party.*

STATE N. J.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° '	LAT. D.M. METERS	POSITION LONGITUDE ° '	LONG. D.P. METERS	DATUM N A	METHOD OF LOCATION AND SURVEY No. T-9501	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT 70	E. ENTRANCE BIG SHEEPSHEAD CR.		39 31	679	74 17	995	1927	THEOD.	1950		x		826
LT 3	NEWMANS THOROFARE		39 30	1277	74 20	371	1927	PHOTO PLOT	1950		x		826
LT 2	NEWMANS THOROFARE		39 30	1114	74 20	155	1927	PHOTO PLOT	1950		x		826
LT 72	W OF TUCKER ISLAND		39 30	900	74 17	1287	1927	THEOD.	1950		x		826
LT 78	FISH ISLAND		39 30	873	74 20	558	1927	theod.	1950		x		826
LT 76	SHOOTING THOROFARE		39 30	813	74 19	830	1927	PHOTO PLOT	1950		x		826
LT 78A	SW FISH ISLAND		39 30	551	74 21	560	1927	THEOD	1950		x		826
LT 74	E ENTRANCE SHOOTING THORO.		39 30	844	74 18	296	1927	THEOD.	1950		x		826
LT 80	SW FISH ISLAND		39 30	223	74 21	1009	1927	THEOD.	1950		x		826
LT 81	LANTERN ON PILE		39 30	7	74 22	411	1927	THEOD.	1950		x		826
LT 69	N OF TUCKER ISLAND		39 31	1059	74 17	287	1927	THEOD.	1950		x		826
LT 1	ENTRANCE WEST CREEK		39 36	1604	74 15	1110	1927	PHOTO. PLOT	1950		x		825
LT 1	PARKER RUN		39 36	983	74 17	737	1927	"	1950		x		825
LT 4	TUCKERTON CREEK ENTRANCE		39 34	1226	74 20	475	1927	"	1950		x		825

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 cons[illegible]

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

~~Baltimore, Maryland~~ July 19 52

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by Raymond Glaser

H. A. Paton
Hubert A. Paton *Chief of Party.*

STATE N. J.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT 62	N OF MORDECAI ISLAND		39 33	1683	74 15	292	1927	PHOTO PLOT	1950	x			825
LT 2	PARKER ISLAND		39 33	884	74 19	216	1927	"	1950	x			825
LT 63	E OF MORDECAI ISLAND		39 33	633	74 15	654	1927	"	1950	x			825
LT 2	ENTRANCE BIG CREEK		39 32	1267	74 21	1282	1927	"	1950	x			826
LT 65	W OF BONDS CG STATION		39 32	713	74 15	1386	1927	"	1950	x			825
LT 1	CAPE HORN		39 32	420	74 19	1397	1927	"	1950	x			826
LT 66	E OF GOOSEBAR SEDGE		39 32	236	74 16	632	1927	THEOD.	1950	x			826

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

Form 567
April 1945

DEPARTMENT COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED } STRIKE OUT ONE

Baltimore, Maryland July, 1952

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks be charted on ~~*(deleted from)*~~ the charts indicated.

The positions given have been checked after listing by

Raymond Glaser

H. A. Paton
H. A. Paton *Chief of Party.*

STATE N. J.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° '	LATITUDE D. M. METERS	LONGITUDE ° '	LONGITUDE D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK	ELEV. 85' (TUCKERTON W.T.)		39 36	298	74 20	496	N.A. 1927	Photo Plot	1935 1950		X	X	825 1216
AERO R. MAST	ELEV. 775' (TUCKERTON RADIO TOWER)	RCA	39 33	945.2	74 22	390.1	"	Tri	1931				826 1216
STACK	(STORY ISLAND STACK)		39 32	1143.0	74 18	296.3	"	Tri	1935				826 1216
CUP	BONDS CG CUPOLA (BONDS CG STA.)	NO GP available	39 32	312	74 15	1139	"	Photo Plot	1924				825-826 1216
TANK	ELEV. 88' SKELETON STEEL		39 32	196	74 15	1123	"	Photo Plot	1950				825-826 1216
TANK	ELEV. 125' (FISH FACTORY TANK)		39 31	246.1	74 20	364.5	"	Tri.	1950				826 1216
CUP	LITTLE EGG CG (LITTLE EGG CG CUPOLA NEW)		39 30	3/462-976	74 19	28.17 673	"	Photo Plot	1935 1950				826 1216
(RADIO	E RADIO MARINE TOWER		39 36	914	74 19	1024	"	Photo Plot	1935 1950				825 1216
(MASTS	W RADIO MARINE TOWER		39 36	963	74 19	1091	"	"	"				"

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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~ / TO BE DELETED — STRIKE OUT ONE

Baltimore, Maryland ~~July~~, 19~~52~~

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be ~~charted on~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by Raymond Glaser

H. A. Peton
Hubert A. Peton
Chief of Party.

STATE N.J.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
~~LT 1~~	~~SW of SHELTER ISLAND~~ *		~~39 34~~	~~1285~~	~~74 16~~	~~1281~~	N.A. ~~1927~~	~~THEOD.~~	~~1950~~		~~x~~		~~825~~
~~LT 2~~	~~AT LONG POINT~~ **		~~39 35~~	~~1672~~	~~74 15~~	~~919~~	~~"~~	~~THEOD.~~	~~1950~~		~~x~~		~~825~~
~~LT 2~~	~~CAPE HORN (Removed)~~		~~39 32~~	~~909~~	~~74 20~~	~~84~~	~~"~~	~~Photo Plot~~	~~1950~~		~~x~~		~~826~~
~~LT 2~~	~~WEST CREEK~~ (Removed)		~~39 37.0~~		~~74 16.1~~		~~"~~				~~x~~		~~825~~
~~LT 40~~	~~SW SHELTER ISLAND~~ ***		~~39 34~~	~~1285~~	~~74 16~~	~~1281~~	~~"~~	~~THEOD.~~	~~1950~~		~~x~~		~~825~~
~~LT 79~~	~~SW FISH ISLAND~~ ****		~~39 30~~	~~551~~	~~74 21~~	~~560~~	~~"~~	~~THEOD.~~	~~1950~~		~~x~~		~~826~~

* Removed - Replaced by new light LT 2 (SW of SHELTER ISLAND)

** Was LT 2 - NOW LT 4 (LONG POINT)

***~~LT 40 Changed to LT 1~~ (SW SHELTER ISLAND) and subsequently removed

**** ~~LT 79 Changed to LT 78A~~ (SW FISH ISLAND)

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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ — STRIKE OUT ONE

Baltimore, Maryland July, 1952

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Raymond Glaser

H. A. Paton
Hubert A. Paton, *Chief of Party.*

STATE NEW JERSEY

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT. 2	SW OF SHELTER ISLAND *		39 34	1523	74 16	257	N.A. 1927	T-9501 Plot	1952		x		825
LT. 4	AT LONG POINT **		39 35	1672	74 15	919	1927	"	1952		x		825

* New - to replace LT 1 (SW of Shelter Island)

** Was LT 2 - Now LT 4 (LONG POINT)

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

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland July 19 52

I recommend that the following objects which have ~~not~~ been inspected from seaward to determine their value as landmarks be charted on ~~deleted from~~ the charts indicated.

The positions given have been checked after listing by Raymond Glaser

H. A. Paton
Hubert A. Paton
Chief of Party.

STATE	N. J.		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS							
LOOKOUT TOWER	BONDS COAST GUARD LOOKOUT TOWER HT * 65 (74) ft.		39 31	1754	74 15	100	N.A. 1927	T-9501 Photo Plot	Jan.195		x	x	826 1216

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 r

History of Hydrographic Information
Quadrangle T-9501
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-6215	1:10,000	1936
H-6216	"	"
H-5893	"	1935
H-6195	"	1936

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

C. Theurer
4 June 1953