

9509

N, S & EXT *

Diag. Cht. No. 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-9509 N & S

LOCALITY

State New Jersey

General locality Cape May County

Locality Sea Isle City

194 52

CHIEF OF PARTY

Harry F. Garber, Chief of Party

Hubert A. Paton, Baltimore Office of Photo-

LIBRARY & ARCHIVES

DATE November 17, 1955

DATA RECORD

T-9509

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**Copy filed in Division of
Photogrammetry (IV)
Office FilesMethod 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. **1217**Date: **8/53**Date registered (IV): **8-15-55**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): **FLAT 1936**Lat.: **39° 11' 20.645" (636.6m)** Long.: **74° 41' 49.089" (1178.1m)**

Adjusted

~~NO ADJUSTMENT~~

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.

39-151

John R. Smith

39°-07'-30"

740-451

(Show name within area)

(11) (111)

DATA RECORD

Field Inspection by (II): **John R. Smith, Cartographic Survey Aid** Date: **1 Sept. 1950**
to
1 Oct. 1950

Planetable contouring by (II): **John R. Smith, Cartographic Survey Aid** Date: **1 Sept. 1950**
to
1 Oct. 1950

Completion Surveys by (II): **Joseph K. Wilson** Date: **4 June 1952**

Mean High Water Location (III) (State date and method of location): **1950 - Field inspection**
(Corson Inlet: 13 July 1950 - Planetable)

Projection and Grids ruled by (IV): **T.L.J.** Date: **1/13/51**

Projection and Grids checked by (IV): **H.D.W.** Date: **1/16/51**

Control plotted by (III): **B. Kurs** Date: **8/6/51**

Control checked by (III): **R. R. Hartley** Date: **8/8/51**

Radial Plot ~~of Stereoscopic~~ Date: **12/7/51**
~~contouring~~ by (III): **R. R. Hartley**

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

Manuscript delineated by (III): **J. Council**) N-half Date: **4/10/52**
B. Kurs) **5/21/52**
L. Senasack S-half

Photogrammetric Office Review by (III): **R. Glaser** Date: **12/15/52**
after field edit

Elevations on Manuscript **R. Glaser** Date: **12/15/52**
checked by (II) (III):

Camera (kind or source) (III): U.S.C. & G.S. single lens type "0" Camera - 6" focal length.

Number	Date	Time	Scale	Above M. L. W. Stage of Tide
50-0-721	4/16/50	0936	1:10,000	3.1
50-0-722, 723	"	0937-0938	"	2.8
50-0-724 to 729	"	0940-0946	"	Inland
50-0-766 to 768	"	1006-1007	"	Inland
50-0-769	"	1007	"	2.4
50-0-770, 771	"	1008	"	2.4
50-0-773, 773	"	1009	"	1.8 (ocean)
50-0-774, 775	"	1022	"	1.4 (ocean)
50-0-776 to 780	"	1023-1024	"	2.0 (1.6 ocean)
50-0-806, 807	"	1056-1057	"	1.8 (1.0 ocean)
50-0-808, 809	"	1058	"	1.4 (1.0 ocean)
50-0-814	"	1120	"	0.8 (ocean)

Also supplemental photos 50-0-396 to 416 dated 4/8/50, scale 1:10,000

Tide (III)
From Predicted Tide Tables

Reference Station: Sandy Hook, N. J.
Subordinate Station: Corson Inlet
Subordinate Station: Sea Isle City

Ratio of Ranges	Mean Range	Spring Range
-	4.6	5.6
0.8	3.9	4.7
0.9	4.1	5.0

Washington Office Review by (IV): K.N. Maki

Date: 10-5-53

Final Drafting by (IV): F.L. JOHNSON - T-7807-N
R. HOPKINS - T-7807-5

Date: 3-29-55

3-29-55

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 38

Shoreline (More than 200 meters to opposite shore) (III): 24 Statute mi.

Shoreline (Less than 200 meters to opposite shore) (III): 55 Statute mi.

Control Leveling - Miles (II): 26.8

Number of Triangulation Stations searched for (II): 84

Recovered: 72

Identified: 23

Number of BMs searched for (II): 56

Recovered: 38

Identified: 35

Number of Recoverable Photo Stations established (III): 7

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

Remarks: Two Recoverable Photo Stations were searched for but not recovered.

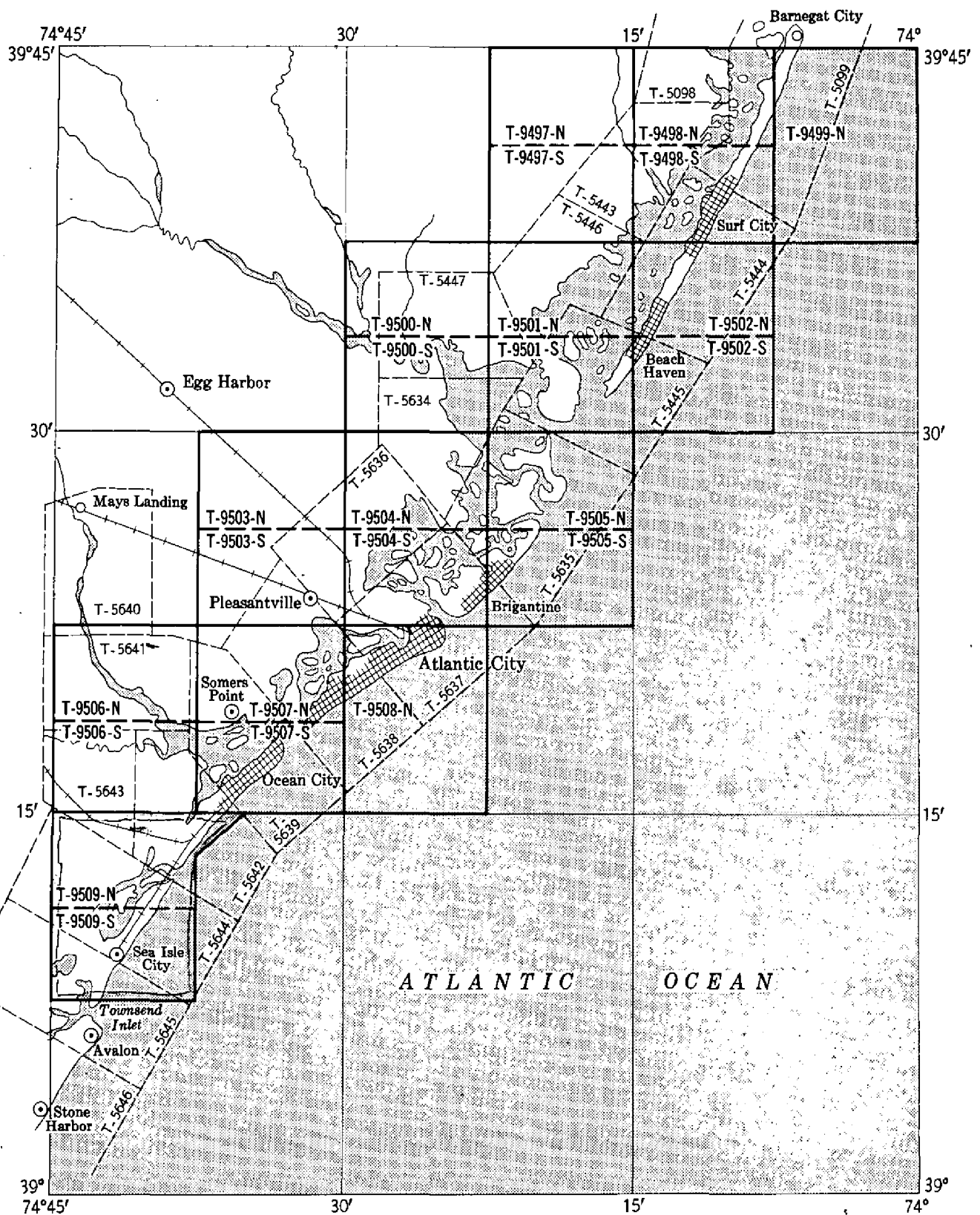
One Recoverable Photo Station was recovered to the West of the project for which no geographic position could be recorded.

*Additional Subordinate Stations:

Long Reach
Sea Isle City-Ludlam Thoro Br.)
Ben Hand Thoro
Townsend Inlet
Peck Bay
Great Egg Harbor Inlet

Ratio of Ranges	Mean Range	Spring Range
0.8	3.8	4.6
0.8	3.8	4.6
0.8	3.7	4.5
0.8	3.8	4.6
0.8	3.7	4.5
0.8	3.8	4.6

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-9509

Topographic map T-9509 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 three sheets. Two of the sheets are each $3\frac{3}{4}$ ' in latitude by $7\frac{1}{2}$ ' in longitude. The third sheet is an "extension" to the conventional $7\frac{1}{2}$ -minute quadrangle limits and includes an area of land adjoining the standard quadrangle at the east neat line of the northeast corner. The map is to be published by the Geological Survey at a scale of 1:24,000 as an oversize quadrangle in the $7\frac{1}{2}$ ' minute topographic series. The registered copies under T-9509 will include 2 one-half quadrangle cloth-mounted prints at scale 1:10,000 identified as T-9509 N/2 and T-9509 S/2 and an additional cloth-mounted print at scale 1:10,000 identified as T-9509-Extension. One cloth-mounted color print, at scale 1:24,000, of the entire quadrangle will also be included with the registered copies. Hydrographic information furnished by this Bureau, depth curves and soundings, will be included on the color print.

FIELD INSPECTION REPORT
 QUADRANGLE T-9509
 39-C7-30/74-37-30
 PROJECT Ph-59(50)

Harry F. Garber, Chief of Party

The field work for this quadrangle was done in accordance with Instructions, dated 26 May 1950, Project Ph-59(50), under the direction of Joseph K. Wilson, Supervisor. Field work, in addition to those phases listed on pages 2 and 3, was done by the following personnel:

<u>Name and Title</u>	<u>Phase</u>	<u>Date</u>
Leo F. Beugnet	Horizontal Control	15 June 1950 to
Cartographic Survey Aid	Recovery and Shoreline	15 July 1950

This report is written in accordance with Paragraph 724 of the Preliminary Edition of the Topographic Manual, dated June 1949. In accordance with published edition.

2. AREAL FIELD INSPECTION

This quadrangle lies in the northeastern portion of Cape May County.

The shoreline of the Atlantic Ocean bisects the quadrangle from northeast to southwest. The New Jersey Intracoastal Waterway parallels the ocean throughout the entire quadrangle.

There are five villages within the quadrangle, namely: Palermo, Seville, Ocean View, Strathmere, and Sea Isle City, the largest of which is Sea Isle City.

The Pennsylvania Reading Seashore Line Railroad runs in an East-West direction through the northern part of the quadrangle. U. S. Highway 9 (N.J. State Highway 4) runs in a northeast-southwesterly direction through the central portion of the quadrangle. The area is adequately served by secondary roads.

The quadrangle is composed of about 30% water, 30% marsh, 20% cultivated area, and 20% woodland.

Truck farming is the chief occupation, with some small-scale lumbering and fishing.

No difficulty was encountered in the interpretation of the photographs. Sufficient classifications were made so that the compiler should have no great difficulty with the tones.

The field inspection is believed to be complete.

3. HORIZONTAL CONTROL

(a) One traverse line was run near the northwestern portion of the quadrangle. (See Field Inspection Report for Quadrangle T-9506, Page 8.)

(b) All stations are of the N. A. 1927 datum.

(c) Stations not established by the U.S.C.&G.S. are:

<u>Station</u>	<u>Agency</u>	<u>Order</u>	<u>Datum</u>
Mall, 1936	USE	Third	NA 1927
Lam, 1946	USE	"	"
Mon. 2719	New Jersey Geodetic Control Survey	"	"
" 2720	"	"	"
" 2721	"	"	"
" 2723	"	"	"
" 2724	"	"	"
" 2725	"	"	"
" 2726	"	"	"
" 5730	"	"	"
" 5731	"	"	"
" 5732	"	"	"
" 5733	"	"	"
" 5734	"	"	"
" 5735	"	"	"
" 5736	"	"	"
" 5737	"	"	"
" 5738	"	"	"
" 5739	"	"	"
" 5740	"	"	"
" 5741	"	"	"
" 5742	"	"	"
" 5743	"	"	"
" 5744	"	"	"
" 5745	"	"	"
" 5746	"	"	"
" 5747	"	"	"
" 5748	"	"	"
" 5749	"	"	"
" 5750	"	"	"
" 8717	"	"	"
" 8718	"	"	"
" 8719	"	"	"
" 8720	"	"	"

<u>Station</u>	<u>Agency</u>	<u>Order</u>	<u>Datum</u>
Mon. 8721	New Jersey Geodetic Control Survey	Third	NA 1927
" 8722	"	"	"
" 8723	"	"	"
" 8724	"	"	"
" 8725	"	"	"
" 8726	"	"	"
" 8727	"	"	"
" 8728	"	"	"
" 8729	"	"	"
" 8730	"	"	"
" 8731	"	"	"
" 8732	"	"	"
" 8733	"	"	"
" 8734	"	"	"
" 8735	"	"	"
" 8736	"	"	"
" 8737	"	"	"
" 8760	"	"	"
" 8761	"	"	"

(d) A search was made for all known control. Stations reported as "lost" or "not recovered" are:

Mid 1936
 Send, 1936
 Mon. 2720, N.J.G.C.S.
 " 2723 "
 " 2724 "
 " 5746 "
 " 5749 "
 " 5750 "
 " 8719 "
 " 8734 "

Four stations, which are located south and west of the project limits, were identified to control the plot. The stations are:

Avalon, 1932
 Ingram, 1936
 Stites, 1936
 Mon. 5700 (NJGCS)

4. VERTICAL CONTROL

(a) A search was made for all known vertical control. Bench marks in the quadrangle are:

<u>Station</u>	<u>Agency</u>	<u>Order</u>
Ben Hand Thorofare TBM 1	USC&GS	Unknown
" TBM 2	"	"
" TBM 3	"	"
Corson Inlet TBM 1	"	"
" TBM 2	"	"
" TBM 3	"	"
" TBM 4	"	"
" TBM 5	"	"
Devils Island, Crooked Horn Creek, TBM 1	"	"
" TBM 2	"	"
" TBM 3	"	"
Sea Isle City TBM 1	"	"
" TBM 2	"	"
" TBM USE	"	"
N-4	"	First
O-4	"	"
P-4	"	"
17.47 (PRR) Reset, 1934	NJGCS	Third
Strathmere	"	"
Townsend	"	"
RV 2728	"	"
RV 2770	"	"
RV 2771	"	"
RV 2772	"	"
Mon. 2723	"	"
" 2724	"	"
" 2725	"	"
" 2726	"	"
" 5730	"	"
" 5731	"	"
" 5732	"	"
" 5733	"	"
" 5734	"	"
" 5735	"	"
" 5736	"	"
" 5737	"	"
" 5738	"	"
" 5739	"	"
" 5740	"	"

<u>Station</u>	<u>Agency</u>	<u>Order</u>
Mon. 5741	NJGCS	Third
" 5742	"	"
" 5743	"	"
" 5744	"	"
" 5745	"	"
" 5746	"	"
" 5747	"	"
" 5748	"	"
" 5749	"	"
" 5750	"	"
" 8737	"	"
" 8760	"	"
" 8761	"	"

(b) Twenty-seven miles of supplemental levels were run with a Wye level, beginning and closing on bench marks of third order accuracy or better. The greatest error of closure on any line was 0.26 feet. No adjustment was made.

(c) The first and last fly level points are 09-1 and 09-38.

(d) Inapplicable.

5. CONTOURS AND DRAINAGE

The contouring was done by plane table methods directly on single-lens photographs (1:10000 scale) at a contour interval of ten (10) feet.

The natural drainage in the quadrangle is by Cedar Swamp Creek in the northwest and by numerous small creeks flowing into the Intracoastal Waterway in the eastern part.

The highest natural elevation of ⁴⁶~~37~~ feet is in the northwest section of the sheet. Along the Atlantic Ocean there is a barrier beach. This area is mostly flat with some sand dunes rising to a height of twenty-^{seven}~~six~~ feet.

See Field Inspection Report for Quadrangle T-9506 concerning the cut photographs used.

6. WOODLAND COVER

The cover was classified in accordance with Paragraph 5433 of the Preliminary Edition of the Topographic Manual, dated June, 1949.

The Field Inspector has delineated the swamp limits on the photographs with purple ink where they were not discernible on the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

(a) This quadrangle is composed almost entirely of apparent shoreline, except for the area along the beach. Measurements from identifiable points on the photographs were made to the high-water line along the beach at half-mile intervals. The high-water line at Corson Inlet was located by planetable. The Field Editor should check this high-water line for any changes which may have occurred since the field inspection. *Checked by Field Editor*

(b) No attempt was made to accurately locate the low-water line along the area west of the beach and adjacent to the Intracoastal Waterway. However, the area was inspected at low-water, and an approximate low-water line has been shown in many places where it was discernible on the photographs.

(c) The low-water line along the Atlantic Ocean and at Corson Inlet was located by the same methods used on the high-water line. This low-water line should also be checked by the Field Editor for changes occurring since the field inspection. *Checked by Field Editor*

(d) There are no bluffs along the shoreline.

(e) All docks, wharves, piers, landings, etc. have been labeled on the photographs.

(f) Five submarine cables have been located on the photographs.

8. OFFSHORE FEATURES

There were no offshore features noted during the field inspection.

9. LANDMARKS AND AIDS

(a) Five landmarks are recommended on Form 567 for charting. Form 567 will be submitted for the southern portion of the project at a later date. All Form 5 567 (copies) attached.

(b) No interior landmarks are recommended.

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

(d) There are four fixed aids to navigation within the quadrangle. Ludlam Bay Lower Range Front Beacon was destroyed at the time of the field inspection and should be checked by the Field Editor. *See item 56.*

10. BOUNDARIES, MONUMENTS AND LINES

A Special Report On Boundaries will be submitted at a later date by Richard E. McGlinchey, Cartographic Survey Aid. Filed in Div of Photogrammetry general files.

Two boundary markers, located along the Dennis-Upper Township Line, were identified on the photographs.

11. OTHER CONTROL

One topographic station, Townsend Inlet Coast Guard Tower, No. 130, was established. Seven previously established topographic stations were searched for and are reported on Form 524. See item 49.

12. OTHER INTERIOR FEATURES

All roads and buildings have been classified in accordance with Paragraphs 5441 and 5446 of the Preliminary Edition of the Topographic Manual, dated June, 1949. The town of Sea Isle City has an urban area limit.

All bridge information as listed in the "U. S. Engineers List of Bridges Over Navigable Waters In the U. S., dated July, 1941, and its Supplement, dated January 1, 1948" was verified in the field. All clearances were carefully measured with a steel tape, and the published descriptions verified. The discrepancies were reported to the local District Engineer; a copy of the letter is attached to the Descriptive Report for quadrangle T-9507.

13. GEOGRAPHIC NAMES

This is the subject of a "Special Report" which will be submitted at a later date by Merle W. Smith, Cartographic Survey Aid. Filed in Geographic Names Section, Div. of Charts.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

A Coast Pilot Report for the project will be submitted by the Chief of Party. There are no other reports or special data, except as noted in Paragraphs 10 and 13. Filed in Coast Pilot Section, Div. of Charts.

9 October 1950

Submitted by:

John R. Smith
John R. Smith

Cartographic Survey Aid

11 October 1950

Approved by:

Harry F. Garber

Harry F. Garber
Chief of Party

MAP T. 9509

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	
BEN, 1936	G-3175 P.349	N.A. 1927	39	12	08.08			249.2	(1601.1)		
			74	40	44.78			1074.5	(365.2)		
BLACK, 1936	G-3175 P.349	"	39	14	37.211			1147.5	(702.8)		
			74	38	20.664			495.5	(943.4)		
CURVE, 1932	447 P.20	"	39	13	35.271			1087.7	(762.6)		
			74	38	20.608			494.3	(944.9)		
FLAT, 1936	G-3175 P.349	"	39	11	20.645			636.6	(1213.7)		
			74	41	49.089			1178.1	(261.9)		
GUARD, 1936	G-3175 P.347	"	39	11	55.994			1726.7	(123.6)		
			74	39	22.588			542.0	(897.7)		
HIGH, 1936	G-3175 P.349	"	39	13	56.528			1743.2	(107.1)		
			74	38	47.911			1149.1	(289.9)		
LAM, (USE), 1946	USED P.13	"	130	234	08			71.3	(1452.7)		
			1	990	853.44			260.1	(1263.9)		
LUD, 1936	G-3175 P.349	"	39	10	06.487			200.0	(1650.3)		
			74	42	00.423			10.2	(1430.2)		
LUDLAM BEACH LIGHT, 1936	G-3175 P.350	"	39	09	41.562			1281.6	(568.7)		
			74	41	04.643			111.5	(1329.0)		
MAIN, 1936	G-3175 P.349	"	39	13	01.676			51.7	(1798.6)		
			74	39	21.112			506.5	(932.9)		
MALL, USE, 1946	U.S.E.D. P.12	"	127	795	08			852.0	(672.0)		
			1	993	168.43			965.7	(558.3)		
MILL, 1936	G-3175 P.350	"	39	09	00.719			22.2	(1828.1)		
			74	43	24.405			586.0	(854.8)		

1 FT. = 3048006 METER

COMPUTED BY: J.C. Richter

DATE 14. Dec. 1950

CHECKED BY: M.F. Kirk

DATE 28 Dec. 1950

M-2388-12

MAP T. 9509

PROJECT NO. Ph-59(50)

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -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)
OCEAN, 1932	447 P.20	N.A. 1927	39 10 50.471 74 44 21.856			1556.4 (293.9) 524.6 (915.5)	
PALERMO, 1936	G-3175 P.347	"	39 14 10.343 74 39 58.020			319.0 (1531.3) 1391.5 (47.5)	
SEA ISLE, 1932	447 P.20	"	39 09 15.057 74 41 50.950			464.3 (1386.0)	
SEA ISLE CITY STANDPIPE, 1932	G-1447 P.32	"	39 09 25.591 74 41 33.071			1223.4 (217.3) 789.2 (1061.1) 794.0 (646.6)	
SEAVILLE, 1936	G-3128 P.347	"	39 12 10.598 74 41 53.299			326.8 (1523.5) 1278.9 (160.7)	
STRATHMERE, 1932	G-1249 P.14	"	39 11 55.526 74 39 22.889			1712.3 (138.0) 549.2 (890.5)	
TOWN, 1936	G-3175 P.350	"	39 09 02.019 74 44 42.097			62.3 (1788.0) 1010.9 (429.9)	
TOWNSEND, 1932	447 P.21	"	39 07 40.944 74 42 34.844			1262.6 (587.7) 837.0 (604.2)	
VIEW, 1936	G-3175 P.347	"	39 10 09.584 74 43 37.731			295.6 (1554.7) 905.8 (534.6)	
WHALE, 1932	447 P.20	"	39 10 36.081 74 40 32.480			1112.7 (737.6) 779.6 (660.6)	
MON. 2712 NJGCS 1938	NJGCS	"	148,030.61 1,998,028.30			923.7 (600.3) 923.0 (601.0)	
MON. 2721 NJGCS 1938	"	"	136,643.07 1,989,237.83			500.8 (1023.2) 1291.7 (232.3)	

1 FT. = 3048006 METER
COMPUTED BY J.C. Richter

DATE 14 Dec. 1950

CHECKED BY M.F. Kirk

DATE 12/28/50

M. 2368-12

MAP T. 9509 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)
MON 2725 NJGCS, 1935	NJGCS	NA 1927	122,743.58 1,979,206.28			836.3	(687.7)	
MON 2726 NJGCS, 1935	"	"	121,552.09 1,977,898.16			473.1	(1050.9)	
MON 5730 NJGCS, 1937	"	"	150,699.65 2,014,841.80			883.4	(640.6)	
MON. 5731 NJGCS, 1937	"	"	149,319.81 2,013,911.01			213.3	(1310.7)	
MON. 5732 NJGCS, 1937	"	"	146,581.04 2,011,944.39			1475.8	(48.2)	
MON, 5733 NJGCS, 1937	"	"	145,203.77 2,010,955.41			1316.7	(207.3)	
MON, 5734 NJGCS, 1937	"	"	143,833.97 2,009,983.40			1192.1	(331.9)	
MON, 5735 NJGCS, 1937	"	"	142,352.79 2,009,016.82			481.9	(1042.1)	
MON. 5736 NJGCS, 1937	"	"	133,586.60 2,003,435.18			592.7	(931.3)	
MON, 5737 NJGCS, 1937	"	"	131,904.91 2,002,314.05			62.1	(1461.9)	
MON 5738 NJGCS, 1937	"	"	130,299.61 2,001,133.61			291.2	(1232.8)	
MON 5739 NJGCS, 1937	"	"	128,141.40 1,999,687.64			1168.6	(355.4)	
						1519.0	(5.0)	
						717.1	(806.9)	
						1224.3	(299.7)	
						1093.2	(430.8)	
						1047.0	(477.0)	
						580.6	(943.4)	
						705.3	(818.7)	
						91.3	(1432.7)	
						345.5	(1178.5)	
						957.5	(566.5)	
						1428.8	(95.2)	

1 FT. = 3048006 METER
COMPUTED BY: J.C. Richter
DATE 14 Dec. 1950
CHECKED BY: M.F. Kirk
DATE 28 Dec. 1950
M-2388-12

MAP T- 9509

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)	
MON. 5740 NJGCS, 1937	NJGCS	"	126,570.96 1,998,528.55				478.8 (1045.2) 1075.5 (448.5)		
MON. 5741 NJGCS 1937	"	"	123,999.95 1,996,956.08				1219.1 (304.9) 596.2 (927.8)		
MON. 5742 NJGCS, 1937	"	"	122,522.58 1,995,951.24				768.9 (755.1) 290.0 (1234.0)		
MON. 5743 NJGCS, 1937	"	"	121,165.00 1,995,173.93				355.0 (1169.0) 53.0 (1471.0)		
MON. 5744 NJGCS, 1937	"	"	119,237.24 1,994,188.44				1291.5 (232.5) 1276.7 (247.3)		
MON. 5745 NJGCS 1937	"	"	117,830.51 1,993,292.03				862.7 (661.3) 1003.4 (520.6)		
MON. 5747 NJGCS, 1937	"	"	115,481.83 1,991,788.52				146.9 (1377.1) 545.1 (978.9)		
MON. 5748 NJGCS, 1937	"	"	114,150.22 1,990,946.92				1265.0 (259.0) 288.6 (1235.4)		
MON. 8717 NJGCS 1938	"	"	150,291.58 1,999,687.18				88.9 (1435.1) 1428.7 (95.3)		
MON. 8718 NJGCS, 1938	"	"	148,991.96 1,999,098.09				1216.7 (307.3) 1249.1 (274.9)		
MON. 8720 NJGCS, 1938	"	"	146,681.28 1,996,334.84				512.5 (1011.5) 406.9 (1117.1)		
MON. 8721 NJGCS, 1938	"	"	146,291.65 1,995,273.29				393.7 (1130.3) 83.3 (1440.7)		

1 FT. = 3048006 METER

COMPUTED BY J.C. Richter

DATE 14 Dec. 1950

CHECKED BY M.F. Kirk

DATE

28 Dec. 1950

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 N.A. 1927	LATITUDE OR ϕ -COORDINATE LONGITUDE OR λ -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)	
MON. 8722 NJGCS, 1938	NJGCS	"	144,637.04				1413.4	(110.6)	
			1,994,738.63				1444.3	(79.7)	
MON. 8723 NJGCS, 1938	"	"	143,012.47				918.2	(605.8)	
			1,993,847.82				1172.8	(351.2)	
MON. 8724 NJGCS, 1938	"	"	141,842.06				561.5	(962.5)	
			1,993,356.01				1022.9	(501.1)	
MON. 8725 NJGCS, 1938	"	"	140,422.69				128.8	(1395.2)	
			1,992,718.98				828.8	(695.2)	
MON. 8726 NJGCS, 1938	"	"	139,328.59				1319.4	(204.6)	
			1,991,979.71				603.4	(920.6)	
MON. 8727 NJGCS, 1938	"	"	138,493.66				1064.9	(459.1)	
			1,991,191.87				363.3	(1160.7)	
MON. 8728 NJGCS, 1938	"	"	137,670.11				813.9	(710.1)	
			1,990,344.12				104.9	(1419.1)	
MON. 8729 NJGCS, 1938	"	"	135,536.38				163.5	(1360.5)	
			1,988,612.74				1101.2	(422.8)	
MON. 8730 NJGCS, 1938	"	"	134,676.76				1425.5	(98.5)	
			1,988,038.35				926.1	(597.9)	
MON. 8731 NJGCS, 1938	"	"	133,354.92				1022.6	(501.4)	
			1,987,273.44				693.0	(831.0)	
MON. 8732 NJGCS, 1938	"	"	132,386.28				727.3	(796.7)	
			1,986,536.10				468.2	(1055.8)	
MON. 8733 NJGCS, 1938	"	"	131,594.24				485.9	(1038.1)	
			1,985,776.28				236.6	(1287.4)	

1 FT. = 3048008 METER
COMPUTED BY: J.C. Richter

DATE 14 Dec. 1950

CHECKED BY: M.F. Kirk

DATE 28 Dec. 1950

M-2988-12

MAP T. 9509

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)
MON. 8735 NJGCS, 1938	NJGCS	N.A. 1927	129,583.06				1396.9	(127.1)		
MON. 8736 NJGCS, 1938	"	"	1,984,450.96 127,282.65				1356.7	(167.3)		
MON. 8737 NJGCS, 1938	"	"	1,982,798.86				695.8	(828.2)		
MON. 8760 NJGCS, 1940	"	"	125,795.78 1,981,884.03				853.1	(670.9)		
MON. 8761 NJGCS, 1940	"	"	120,138.70 1,976,797.31				242.6	(1281.4)		
Sub.Pt. LUD., 1936	"	"	118,417.92 1,975,667.60				574.3	(949.7)		
SUB.PT. TOWNSEND, 1932	"	"	39 10 74 41				42.3	(1481.7)		
RM 1, SEA ISLE (AZ. MK.)1932	"	"	39 07 74 42				547.8	(976.2)		
SUB.PT. WHALE, 1932	"	"	Plot graphically				1041.8	(482.2)		
SUB.PT. VIEW, 1936	"	"	39 10 74 43				203.5	(1320.5)		
SUB.PT. TOWN, 1936	"	"	39 09 74 44				131.1	(1719.2)		
SUB.PT. STRATHMERE, 1932	"	"	39 11 74 39				1374.6	(65.8)		
							1224.4	(625.9)		
							813.3	(627.9)		
							1089.9	(761.2)		
							733.8	(706.0)		
							246.9	(1603.4)		
							971.9	(468.5)		
							159.4	(1690.9)		
							1083.6	(357.2)		
							1689.3	(161.0)		
							496.7	(943.0)		

1 FT. = 3048006 METER

COMPUTED BY M.F.Kirk

DATE 28 Dec. 1950

CHECKED BY J.C.Richter

DATE 2 January 1951

M-2388-12

MAP T. 9209

PROJECT NO. Ph-59(50)

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -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)	
SUB PT STITES 1936		N.A. 1927	39 07 74 46				921.3 (929.0) 496.5 (944.7)		
SUB. PT. SEAVILLE, 1936		"	39 12 74 41				223.0 (1627.3) 1347.1 (92.5)		
SUB.PT. SEA ISLE, 1932		"	39 09 74 41				363.6 (1486.7) 1158.2 (282.5)		
SUB. PT. MON. 8760 NJGCS, 1940		"	Plot graphically						
SUB PT MON 8735, 1938		"	Plot graphically						
SUB PT MON 8725 1938		"	Plot graphically						
SUB PT MON 8718, 1938		"	Plot graphically						
SUB PT MON 5733, 1937		"	Plot graphically						
SUB PT MILL, 1936		"	39 08 74 43				1819.2 (31.1) 552.7 (888.1)		
SUB PT CURVE, 1932		"	39 13 74 38				1095.5 (754.8) 591.7 (847.5)		
SUB.PT. BLACK, 1936		"	39 14 74 38				1223.8 (626.5) 485.5 (953.4)		
SUB.PT. BEN, 1936		"	39 12 74 40				204.7 (1645.6) 1022.5 (417.2)		

1 FT. = 3048006 METER

COMPUTED BY: M.F.Kirk

DATE 28 Dec. 1950

CHECKED BY: J.C.Richter

DATE 2 January 1951

M-2388-12

MAP T-9509

PROJECT NO. Pa-59(50)

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-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	
HOPE, 1951	Field Comp 1951	N.A. 1927	39 07	42.699					1316.8	(533.5)		
COAST GUARD CUPOLA, 1936	Form 524	"	74 43	47.484					1140.6	(300.6)		
			39 14						1607.3	(243.0)	743.0	
			74 36						1128.5	(310.3)	743	
CROSS ON CUPOLA, 1937	"		39 08						1611	(239.3)		
			74 41						1068	(372.8)		
STANDPIPE, CITY OF STRATHMERE, 1936	"	"	39 11						1561.0	(289.3)		
			74 39						638.2	(801.6)		
CROSS ON HOUSE, 1937	"	"	39 08						949	(901.3)		
			74 42						16	(1425.0)		
COAST GUARD CUPOLA, 1936	"	"	39 09						1183.0	(667.3)		
			74 41						224.4	(1216.2)		
SUB PT MON 5700 NJGCS, 1935		"	118,802.68						1159.1	(364.9)		
			1,969,445.27						1354.9	(169.1)		
MON 8716 NJGCS, 1938	NJGCS		151,111.06						338.7	(1185.3)		
			2,000,222.93						67.9	(1456.1)		
P.P.-2 (09 SA)	Field Comp	"	146,672.52						509.8	(1014.2)		
			1,971,473.21						449.0	(1075.0)		
SUB.PT.HOPE,1951		"	39 07						1387.8	(462.5)		
			74 43						894.5	(546.7)		

1 FT. = 3048006 METERS

COMPUTED BY: J.C. Richter

DATE 14 Dec. 1950

CHECKED BY: M.F. Kirk

DATE 28 Dec. 1950

M-2388-12

COMPILATION REPORT
T-9509

The photogrammetric plot report covering this survey was made a part of the descriptive report for survey T-9506. Refer also to the descriptive report for Survey T-9503 since the photogrammetric plot report covering the extension of Survey T-9509 is contained therein.

31. DELINEATION

Manuscript No. T-9509 was delineated by graphic methods.

32. CONTROL

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

Stations, STANDPIPE, CITY OF STRATHMERE, 1936 and CROSS ON CUPOLA, 1937 were not held in the radial plot (See plot report T-9506).

33. SUPPLEMENTAL DATA

Geographic name standard dated 1-27-51, Sea Isle City, N.J., scale 1:50,000 was furnished by the Washington office.

Photostat copy of map Sea Isle City, Scale, 1"=800'.

34. CONTOURS AND DRAINAGE

Revisions were made in this office of the field contouring.

35. SHORELINE AND ALONGSHORE DETAILS

The MHWL and LWL at the mouth of Corson Inlet were delineated on the field photographs by planetable survey.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms for six (6) landmarks and four (4) non-floating aids to navigation, which appear on the manuscript are submitted with this report.

Form 567 for one (1) non-floating aid to navigation is submitted and recommended for deletion from the chart. It is not shown on the manuscript.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are submitted for seven (7) recoverable topographic stations established, and five (5) previous stations recovered, and two (2) were searched for but not recovered. In addition, one (1) station was recovered in the area to the W of the project. The recoverable stations within the project limits are listed under item 49.

39. JUNCTIONS

Junctions have been made and are in agreement to the North with T-9506, (and T-9507 for extension of Survey T-9509), to the South with T-9831, Project PH-72(51), and to the West with existing quadrangles. The Atlantic Ocean is to the East.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41.-45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Survey No. T-9509 has been compared with:

1. Corps of Engineers, AMS, Sea Isle City, N.J. quadrangle, scale 1:50,000, published 1946.
2. U.S.C. & G.S. Topographic Maps, T-5642 (1936), T-5643 (1936), T-5644 (1936) and T-5645 (1936), scale 1:10,000.

47. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-9509 has been compared with:

U.S.C. & G.S. Chart No. 827, scale 1:40,000, published in July 1951, corrected to August 1951.


Items to be applied to Nautical Charts:

None.

Items to be carried forward:


None.

Respectfully submitted
December, 1952



Joseph W. Vonasek
Cartographer (Photo.)

Approved and Forwarded
December, 1952



Hubert A. Paton
Comdr. C. & G.S.
Officer in Charge

T-9509

49. NOTES FOR THE HYDROGRAPHER

Twelve (12) recoverable topographic stations are shown on the manuscript and listed as follows:

- ✓ CUPOLA (C.G. Cup.) 1936
- ~~CURVE AZ MK (1932) 1950~~ — Triangulation (Mon 5735, NJGCS, 1937)
- ✓ STANDPIPE, 1950
- ✓ MON LD, 1950
- ✓ TOWER, 1952
- ✓ SEA ISLE AZ MK (1932) 1950
- ✓ TOWNSEND AZ MK (1932) 1950
- ✓ CUPOLA, 1950
- ✓ CUPOLA, 1950
- ✓ TOWER, 1950
- ✓ GABLE (Cross on House) 1937
- ✓ ~~*HOPE, 1951~~ — Triangulation

* The position for this station was established during field work for Survey T-9831, Project PH-72 (51)

PHOTOGRAMMETRIC OFFICE REVIEW

T-9509

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 ✓ 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 ✓ 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 None 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.

J. B. Phillips
CompilerFrank J. Hareza
Supervisor

43. Remarks:

See notes to W. O. reviewer

FIELD EDIT REPORT
Quadrangle T-9509 and
T-9509 Extension
Project Ph-59(50)

Paul Taylor, Chief of Party

The field edit of this quadrangle was accomplished during the months of May and June, 1952.

51. METHODS

The quadrangle was inspected by traversing all passable roads by truck, walking to areas which required special investigation, and by skiff along water portions. 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, referenced to the field photographs or answered directly on the discrepancy prints. A legend describing the symbols and colored inks used is shown on the field edit sheets.

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

52. ADEQUACY OF COMPILATION

The compilation of this map is considered to be adequate with the exception of the few corrections and additions of the field edit data that are to be applied.

Attention is invited to the areas from Ocean City south along the Intracoastal Waterway which have photographed as white. These are spoil areas which are about 0.5 foot above the marsh level. Most of these areas have been classified on the sheet as spoil, but it is suggested that the reviewer thoroughly check these areas. ✓

The swamp areas throughout the entire quadrangle have been checked. Questionable areas have been outlined in purple ink on the field photographs. ✓

53. MAP ACCURACY

The horizontal positions of the map detail appear to be good. No standard vertical accuracy test was required for this sheet. The contours, however, were visually checked throughout the quadrangle and were found to adequately depict the terrain.

The contours along the Atlantic Ocean beach, when checked, were found to require several small changes. These changes have been indicated on the field photographs. Army Map Service Quadrangle shows no contours in this area, however, there exist numerous sand dunes that rise to over ten feet. These dunes are being changed constantly due to housing construction and wave action. The topographic value of some of these small isolated spots is considered to be questionable.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Mr. William J. Collison, City Engineer of Ocean City, New Jersey, who has been a resident of the area for fifty years, states that he would be willing to examine a proof copy of this quadrangle for possible errors. Mr. Collison's address is: Ocean City Bank Building, Ocean City, New Jersey.

56. LANDMARKS AND AIDS

One landmark, Corson Inlet Coast Guard Lookout Tower, at Strathmere, New Jersey, was located by photogrammetric methods and is shown on field photograph 50-0-809. Forms 524, 567 and M-2226-12 are submitted with the field edit information.

The Ludlam Bay Lower Front Range Beacon has not been replaced. It has been found from Captain Huber of the New Jersey Department of Navigation, that these beacons are no longer maintained and that no replacements will be made.

4 June 1952
Submitted by:

Joseph K. Wilson
Joseph K. Wilson,
Cartographer

9 June 1952
Approved by:

Paul Taylor
Paul Taylor
Lt. Comdr., USCGS
Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ORIENTED MARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Baltimore, Maryland

1952

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

The positions given have been checked after listing by

R. Glaser

H. A. Paton	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 are to be reported as they appear on the charts. The data should be considered for the charts of the area and not by individual navigators. The data should be reported on this form.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Baltimore, Maryland

December 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.

~~XXXXXXXXXX~~
The positions given have been checked after listing by

R. Glaser

[illegible][illegible]

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

NON-FLIGHTING AIDS OR LANDMARKS FOR CHARTS

Pleasantville, New Jersey 12 May 1952

The positions given have been checked after listing by

R. Glaser

Paul Taylor

Chief of Party.

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 *aids*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ORIENTED MARKS FOR CHARTS

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

Baltimore, Maryland, December, 19 52

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks be)~~
~~xchanged~~ ~~xxx (deleted from)~~ the charts indicated.

The positions given have been checked after listing by

K. Glaser

H.A. Paton

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* 32
beacons or navigational aids not determined shall be reported for the charts of the area and not by

T-9509

48. GEOGRAPHIC NAMESAtlantic OceanBack RoadBeach CreekBen Hands ThorofareBig Elder CreekBlackman IslandBorough of Ocean CityBottle CreekBurroughs HoleButter RoadCape May CountyCedar SpringsCedar Swamp CreekCorson InletCorson SoundCorsons Tavern RoadClem ThorofareCrook Horn CreekDennis TownshipDevauls CreekDevils IslandEdward CreekFlat CreekGreat Cedar SwampGreenfieldGull Island*Granny CreekHope Corson RoadIntracoastal Waterway*Jonadab CreekKitts ThorofareLittle Elder CreekLudlam BayLudlam BeachLudlam ThorofareMagnolia LakeMain ChannelMaple SwampMarshall's CreekMiddle Thorofare (near Corson Inlet)Middle Thorofare (S. edge)Mill Creek (to north)Mill Creek (to south)Mill ThorofareMud ThorofareN.J. 4N.J. 50Ocean CityOcean DriveOcean ViewPalermoPeck BeachPennsylvania Reading Seashore LinesRun CreekScraggy CreekSea Isle Blvd.Sea Isle CitySeavilleSedge Island**Stites SoundStrathmere Bay StrathmereSunks CreekSwimming CreekTownsend ChannelTownsend's Inlet (town)Townsend SoundTyler RoadU.S. 9Upland ThorofareUpper TownshipWeakfish CreekWhale BeachWhale CreekWare Thorofare***Woodbine Ocean View Road

* from Survey T-5645

** from Survey T-5645 and Dennisville Quadrangle

*** from Dennisville Quadrangle

T-9509

48(a)

Names of Features:Atlantic City Electric Co. Transmission LineFirst Calvary Church and CemeteryFriends Meeting ChurchLudlam Beach LightSeaside CemeterySeaville Church and CemeterySt. Rita's ChapelStrathmere C.G. Station No. 128Surf HospitalTownsend Inlet C.G. Station No 130Union Chapel by the SeaWoodland Cemetery

Names approved 10-25-53

Review Report T-9509
Topographic Map
5 October 1953

62. Comparison with Registered Topographic Surveys.-

T-147	1:10,000	1842
T-1597	1:20,000	1883
T-1744	"	1886
T-2453	"	1899
T-5642 Supp.	1:10,000	1932
T-5643	"	"
T-5644	"	"
T-5645 Supp.	"	"

The shoreline of Corson Inlet on T-9509 differs with the shoreline of the same area as shown on the previous surveys. On the more recent of the previous surveys, T-5642 and T-5644, the entrance to Corson Inlet is about 800 meters wide, whereas, on the present survey, T-9509, the inlet has narrowed to about 350 meters in width. Also, in comparison with the previous surveys, T-9509 shows that the ocean side shoreline has moved generally in a westward direction although there are several exceptions to this in the vicinity of Corson Inlet. No large differences exist between this survey and the previous survey with respect to the shoreline of the inside bays and channels.

T-9509 supersedes all the above surveys in common areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies.-

See Isle, N.J., USGS, 15' quadrangle, 1:62,500, 1884
See Isle City, N.J., USE 15' quadrangle, 1:50,000 1948.

The boundary line between Upper and Dennis townships on T-9509 is located slightly south of the position of the same feature as shown on the quadrangle. Contours and drainage are developed much more intensively on T-9509 than on the quadrangle.

64. Comparison with Nautical Charts.-

827, 1:40,000, Intracoastal Waterway, ed. 1951,
corr. to 6/9/52.
1217, 1:80,000, ed. 1948, corr. to 2/13/50.

Corson Inlet has changed considerably and is not as wide as shown on the charts. The southern arm of the sandy points of land forming the entrance to the inlet has moved northward toward the channel center and is the cause of most of the narrowing of the entrance to the inlet. The shoreline of the ocean side on T-9509 runs slightly westward of the shoreline positions as shown on the charts. There are no other differences significant to charting.

T-9509

66. Accuracy 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 Map
Accuracy Standards.

Reviewed by:

K. N. Maki
K. N. Maki

APPROVED:

L. C. Lande
Chief, Review Branch
Div. of Photogrammetry

R. W. Swenson
Chief, Div. of Photogrammetry *mar*
30 Sept. 1955

J. H. Edmonson
Chief, Nautical Chart Branch
Division of Charts *GRJ*

Earl O. Heaton *B*
Chief, Div. of Coastal Surveys

History of Hydrographic Information

Quadrangle T-9509

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry general specifications dated 18 May 1949.

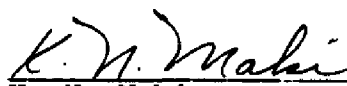
Soundings and depth curves at mean low water datum originate with the following:

USC&GS Hydrographic Survey H-6226 (1937-38)	1:20,000
H-6227 (1937)	1:20,000
H-6231 (1937)	1:10,000
H-6262 (1937)	1:10,000

USC&GS Nautical Chart 827, 1:40,000, latest print dated 9/7/53

Single-lens 1:10,000 scale photographs taken with the "0" camera in April 1950, numbers 769-772, 774-780, 808-809 and 400-404 were used in conjunction with the above listed hydrographic surveys and charts for the interpretation of the mean low water line and the determination of channels subject to constant change.

Hydrography was compiled by K. N. Maki and verified by O. Svendsen on 22 December 1953.



K. N. Maki
Div. of Photogrammetry
11 November 1953

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9509

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.