

8496

Diag'd. on diag. ch. No. 1217, 1218, 1219

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. _____ Office No. T-8496

Hariz. Acc'y Test WILDWOOD

LOCALITY

State New Jersey

General locality Cape May County

Locality Wildwood, New Jersey

1943

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE February 13, 1948

8496

applied to CW 827 - Apr 1944 - D.V. @ J.
" " " 1217 " " D.V. @ J.

Applied to chart 1218 after Review 8/9/46 K.H.B.

DATA RECORD

T-8496

Quadrangle (II):

Project No. (II):

7½ Minute

CS-302-A

Field Office:

Chief of Party:

Sanford, Maine

F. L. Gallen

Compilation Office:

Chief of Party:

Baltimore, Md.

Fred. L. Peacock

Instructions dated (II III):

Copy filed in Descriptive

March 18, 1943

~~Report No. T-~~ (VI)

Supplemental, Sept. 24, 1943

Dis. Photogram. Office Files

Completed survey received in office: 17 July 1943

Reported to Nautical Chart Section: ✓

Reviewed: 12/21/43

Applied to chart No. 1217

Date: 9 Aug. 1944

Redrafting Completed: 24 Jan. 1944

Registered: 3 Feb 1948

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:25,000

Scale Factor (III): none

Geographic Datum (III): N. A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): SCHOOL, 1932

Lat.: 38° 59' 08.331" 256.9 meters Long.: 74° 49' 13.810" 332.4 meters Adjusted
Erected

State Plane Coordinates (VI):

New Jersey (Single zone)

X = 1,956,269.86 ^{New Jer.} _{single zone} feet = 55,509.94 ^{New Jer.} _{single zone} feet

Military Grid Zone (VI) "A"

STATISTICS (III)

Land Area (Sq. Statute Miles): 10

Shoreline (More than 200 meters to opposite shore): 14 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 18.5 Statute Miles

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot:

None

Leveling (to control contours) - miles: Unknown

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

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 302A, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1932-33 and were published in 1936 on the scale of 1:10000. Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office.

7-5647
7-5710

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly on the photographs or on the planimetric base sheet at the option of the field party. The contouring for this quadrangle was done on the

was done on this quadrangle. No contouring.

Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, driveways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. No radial plot was made for this work.

FIELD EDIT

Comparison of a copy of the corrected manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

FIELD INSPECTION REPORT
QUADRANGLE T-8496
PROJECT CS-302-A
F. L. GALLEN, Chief of Party

1. DESCRIPTION OF AREA:

The area covered by this Quadrangle lies in Cape May County, New Jersey. It consists of marsh in the N. W. portion and a sandy island containing the Boroughs of Wildwood, Wildwood Crest and North Wildwood. They are connected to the mainland by concrete highway and railroad. The south end of the island is low, sandy waste land. The Intra-Coastal Waterway runs through this Quadrangle. All the water shown on this Quadrangle is affected by the tide. There is a small wooded area in the extreme N. W. corner of the Quadrangle. It consists of deciduous trees and heavy brush. There is one drawbridge shown in this Quadrangle where the highway crosses Grassy Sound Channel. Many new roads and bridges have been constructed. There is a Coast Guard and air base on Sewell Point. Numerous changes have been made here.

2. COMPLETENESS OF FIELD INSPECTION:

See report for Quadrangle T-8493.

3. INTERPRETATION OF THE PHOTOGRAPHS:

See report for Quadrangle T-8493.

4. HORIZONTAL CONTROL:

See report for Quadrangle T-8493.

5. VERTICAL CONTROL:

Only one Tidal B.M. was recovered on this Quadrangle. No others were ^{accessible} available except by boat. Supplemental levels were run through the roads and streets on this Quadrangle. TBM 6

6. CONTOURS AND DRAINAGE:

There are no 20 foot contours on this Quadrangle.

7-13. These paragraphs do not apply to this Quadrangle.

14. ROAD CLASSIFICATION:

All roads shown on the compilation and encountered while doing topography were classified. Many new roads have been built and do not show on the compilation.

15. BRIDGES AND CULVERTS:

No bridges or culverts were classified.

*See field edit sheet.
See paragraph 15 Field Edit Report*

16. BUILDINGS AND STRUCTURES:

No buildings or structures were classified or shown.

17. BOUNDARY MONUMENTS AND LINES:

*Middle Township; Lower Township;
Wildwood Boroughs; Cape May City*

Political boundaries are shown on an overlay sheet. They were obtained by the use of a County map, a map (if one existed) of each political sub-division, by consulting county officials and local surveyors, and in some cases by consulting local inhabitants in the field. It is believed the political boundaries are complete. Military boundaries were submitted with the field sheet.

18. GEOGRAPHIC NAMES:

Geographic Names for this Quadrangle are the subject of a special report by A. J. Wraight in Project CS-302-A. *List attached hereto.*

19. JUNCTIONS:

Junctions with T-8494 on the North and T-8495 on the West have been made and are in agreement. The Atlantic Ocean bounds this Quadrangle on the East and on the South.

20. PHOTOGRAPHS USED:

No photographs were used. All work was done on the compilations. *7-5647
7-5648*

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party

Submitted by:

Morris W. Burr

Morris W. Burr,
Engineering Aid

- 4 -
Compilation Report

26 CONTROL:

This compilation office was furnished a red-line print on celluloid of the 1936 planimetric survey covering the area of Survey No. T-8496.
List attached hereto.

Recovery notes of the numerous triangulation stations shown on this red-line print on celluloid, were not furnished the compilation office. It is therefore not known, whether any of the triangulation stations shown on the map manuscript are lost.

27 RADIAL PLOT:

No radial plot was run for this map manuscript as instructions dated March 18, 1943 require only the revision of Survey No. T-8496 to the date of the nine lens photographs taken in April, 1943.

28 DETAILING:

Before revising this map manuscript for Survey No. T-8496, ~~8496~~, the stage of tide of the photographs was computed to assist in interpreting the location of the mean high water line on the nine lens photographs.

Elevations and the location of township lines were furnished the compilation office by the field inspection party on a red-line print of the 1936 compilation.

The photographs were oriented under the red-line celluloid print by matching points of common detail.

It was found necessary, after careful stereoscopic inspection of the photographs, to relocate almost all of the mean high water line, along the Atlantic Ocean, included in the area of this survey. Several additional inland shoreline changes noted on the 1943 photographs were also corrected on the red-line celluloid print of the 1936 compilation. Several marsh islands shown on the red-line print on celluloid and not visible on any photographs have been deleted.

New roads and streets have been added; buildings along the shoreline have been shown. New piers and docks built since the 1936 compilation and visible on the photographs have also been detailed.

The compilation office is without data as to the location of public buildings and therefore these buildings could not be shown on this map manuscript. (*See paragraph 16 Field Edit Report*)

According to instructions dated March 18, 1943, Paragraph 8, no field inspection or field edit is to be made until after the map manuscript has been revised to the date of the 1943 photographs.

28 DETAILING: (cont'd)

It is believed by the compilation office, that the shoreline has been correctly interpreted and that it will not be necessary to field inspect the shoreline included in the area of this survey. *(See paragraph 7 of Field Edit Report)*

The limits of the original red-line print on celluloid which is somewhat larger in area than the $7\frac{1}{2}$ minute quadrangle designated for this survey has been corrected to the limits of the $7\frac{1}{2}$ minute quadrangle only. Corrections outside this $7\frac{1}{2}$ minute quadrangle will be made on the adjoining map manuscripts.

29 SUPPLEMENTAL DATA:

The following previous topographic surveys, by the U. S. Coast & Geodetic Survey, have been made, covering portions of this map manuscript.

Survey No. T-1148, dated 1842, scale of 1:10,000.
Survey No. T-1170, dated 1879, scale of 1:10,000.
Survey No. T-1183, dated 1880, scale of 1:10,000.
Survey No. T-1532, dated 1881, scale of 1:10,000.
Survey No. T-2451, dated 1899, scale of 1:10,000.
Survey No. T-4366, dated 1928, scale of 1:10,000.
Survey No. T-4455, dated 1929, scale of 1: 5,000.

These surveys were not available to this compilation office.

The following maps showing street plans and township limits were submitted to the compilation office by the field inspection party.

Street layout of Five Mile Beach Resorts, no scale
The Borough of Wildwood Crest, scale 1"=500'
The City of Wildwood, scale 1"=500'
Wildwood Gables, scale 1"=400'

The field party also furnished the compilation office a map of the U. S. Naval Base, Cape May, N. J., Scale 1"=200'.

30 MEAN HIGH WATER LINE:

The stage of tide of all the nine lens photographs furnished this compilation office was computed and found to be just above mean low water.

31 LOW WATER AND SHOAL LINES:

All low water and shoal lines visible on the nine lens office photographs have been detailed.

28 DETAILS: (cont'd)

It is believed by the compilation office, that the shoreline has been correctly interpreted and that it will not be necessary to field inspect the shoreline included in the area of this survey.

The limits of the original red-line on aerials which is somewhat larger in area than the 1/2 minute quadrangle designated for this survey has been corrected to the limits of the 1/2 minute quadrangle only. Corrections outside this 1/2 minute quadrangle will be made on the adjoining map manuscripts.

29 SUPPLEMENTAL DATA:

The following previous topographic surveys, by the U. S. Coast & Geodetic Survey, have been made, covering portions of this map manuscript.

- Survey No. T-1155, dated 1929, scale of 1:5,000.
 - Survey No. T-1328, dated 1928, scale of 1:10,000.
 - Survey No. T-1511, dated 1929, scale of 1:10,000.
 - Survey No. T-1532, dated 1931, scale of 1:10,000.
 - Survey No. T-1583, dated 1930, scale of 1:10,000.
 - Survey No. T-1470, dated 1929, scale of 1:10,000.
 - Survey No. T-1118, dated 1918, scale of 1:10,000.
- St. 4 Jarvis Id.*
" 5 Intracoastal water
" 4 "
SUN 000010, scale of 1:10,000
CG Tower, scale of 1:10,000
Gas Tank, scale of 1:10,000
TOM

These surveys were not available to this compilation office.

The following maps showing street plans and township limits were submitted to the compilation office by the field inspection party.

- Wildwood copies, scale 1"=100'
- The City of Wildwood, scale 1"=500'
- The Borough of Wildwood Crest, scale 1"=500'
- Street layout of Five Mile Beach Resorts, no scale

The field party also furnished the compilation office a map of the U. S. Naval Base, Cape May, N. J., scale 1"=500'.

30 MEAN HIGH WATER LINES:

The stage of tide of all the nine lens photographs furnished this compilation office was computed and found to be just above mean low water.

31 LOW WATER AND SHOAL LINES:

All low water and shoal lines visible on the nine lens office photographs have been detailed.

32 DETAILS OFFSHORE FROM THE HIGH WATER LINE:

No offshore details were observed on the nine lens office photographs.

33 WHARVES AND SHORELINE STRUCTURES:

All piers, docks and wharves visible on the nine lens office photographs were detailed.

34 LANDMARKS AND AIDS TO NAVIGATION:

The compilation office has not been furnished any data on Landmarks and Aids to Navigation in the area of this map manuscript.

35 HYDROGRAPHIC CONTROL:

Seven recoverable Hydrographic and Topographic Survey Stations were shown on a lithographic print of Survey No. T-5647, scale of 1:10,000, furnished the compilation office by the field party.

These stations were transferred from this print to the map manuscript by use of the projector.

The compilation office is not submitting Form 524 for these stations, as a note on the lithographic print indicates that this work was accomplished in 1938.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

All inshore detail at the U. S. Naval Air Station, Cape May, N.J., has been deleted from this map manuscript upon request of The Commandant of the Inshore Patrol. *Instructions from Major Kendall are to show all details except runways & hangars.*

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are shown a set of general notes which would aid the field edit party in the interpretation of the map manuscript. Also a few notes have been shown regarding questions of interpretation, by the compilation office, of the office photographs.

38 GEOGRAPHIC NAMES:

The compilation office has not received any geographic name data. *HA*
All geographic names shown on the original red-line print on celluloid have been retained.

39 HORIZONTAL ACCURACY:

This map manuscript meets the requirements of horizontal accuracy for War Mapping according to the instructions for Project CS-302, dated March 18, 1943. *Horizontal accuracy test traverse results are in back of this report.*

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The revision of the planimetric detail as shown on this map manuscript has been accomplished without field inspection. The addition or deletion of any cultural or physical feature should be accomplished at the time of the field edit.

41 JUNCTIONS:

The following satisfactory junctions have been completed:

To the North with Map Manuscript, for Survey No. T-8494
To the West with Map Manuscript, for Survey No. T-8495
To the East and South is the Atlantic Ocean.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

No comparison could be made with existing topographic quadrangles as none were available to the compilation office.

45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart No. 1219, issued December, 1934.

The following differences were noted:

A pond shown on Nautical Chart No. 1219 just south of Wildwood, N. J., is not visible on the nine lens photographs.

Several marsh islands in Jarvis Sound which appear on the 1943 nine lens photographs are not shown on Nautical Chart No. 1219.

Several additional changes in the inshore limits of marsh just west of the Atlantic Ocean were noted.

Several new roads are shown on the map manuscript which have been constructed since nautical chart No. 1219 was compiled.

Respectfully submitted:
July 16, 1943

Verla L. Walsh
Verla L. Walsh
Tr., Jr. Eng. Draftsman

Map Manuscript, Discrepancy
Overlay & Descriptive Re-
port Reviewed by:

William H. Van Loon
William H. Van Loon
Pr. Photogrammetric Aid

Compilation of Map Manu-
script Supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Eng.

and

J. Edward Deal, Jr.
J. Edward Deal, Jr.
Asst. Photogrammetric Eng.

Approved & Forwarded:
July 19, 1943

Fred. L. Peacock
Fred. L. Peacock
Commander, C & G Survey
Officer-in-Charge
Baltimore Field Office

FROM WAR MAPPING FIELD PARTY NO. 2

FIELD EDIT REPORT
QUADRANGLE T-8496
PROJECT CS 302 A

R. L. Schoppe, Chief of Party

1. DESCRIPTION OF AREA: See field inspection report.
2. COMPLETENESS OF FIELD INSPECTION: See field inspection report for quadrangle T-8493.
3. INTERPRETATION OF THE PHOTOGRAPHS: The photographs were clear and easily interpreted. See field inspection report.
4. Horizontal Control: See field inspection report for quadrangle 8493.
5. VERTICAL CONTROL: " " " " " " " " .
6. CONTOURS & DRAINAGE: There were no contours ~~or drainage features~~ within the limits of this quadrangle. *(Maximum ground elevation - 12 ft.)*
7. MEAN HIGH WATER LINE: The mean high water line as shown by the compilation was extended to far offshore along the wide beaches of the Atlantic. By means of planetable and taped distances the Mean High Water Line was corrected and shown in black on the smooth sheet.
8. LOW WATER LINE: See compilation report, item 31.
9. WHARVES & SHORELINE STRUCTURES: The compilation is adequate.
10. DETAILED OFFSHORE FROM HIGH WATER LINE: There were no offshore details within the limits of this quadrangle.
11. LANDMARKS & AIDS TO NAVIGATION: Three lights under the jurisdiction of the N.J. Board of Commerce & Navigation have been discontinued during the present emergency; they are submitted for deletion on form 467. Five other lights, three of which are under the jurisdiction of the N.J. Board of Commerce & Navigation, are being submitted on form 567 to be charted. Five landmarks for charts are being submitted on form 567 to be shown on existing charts of the area.
12. HYDROGRAPHIC CONTROL: See compilation report item 35.
13. LANDING FIELDS & AERONAUTICAL AIDS: There were no aeronautical aids or landing fields within the limits of this quadrangle.
14. Road CLASSIFICATION: All roads have been classified and shown in accordance with instructions from the army war college dated Jan. 12, 1942.
15. BRIDGE CLASSIFICATION: Bridge classifications were made in accordance with instructions from the War Dept. dated January 23, 1942, and have been shown on key in the sheet by C.C. Fryer, Sr. Photo, Aid.

16. BUILDINGS: There were no farm buildings within the limits of this quadrangle. All public buildings in Wildwood, North Wildwood, West Wildwood, and Wildwood Crest were blocked in on photo 13378 and labeled. Suitable notes were made on the compilation.
17. BOUNDARY MONUMENTS & LINES: See field inspection report.
18. Geographic Names: See field inspection report.
19. A rifle range, in the vicinity of Wildwood Crest, is shown on the compilation and is to be shown as a danger area on existing charts of the area.

46. METHODS: This sheet was field edited on the compilation with frequent references made with the field photographs. Photographs 13378 was used in editing public buildings. Discrepancies not covered by suitable symbols were noted on the compilation by a sentence and a arrow to the point in question:

All symbols used during field edit are standard topographic symbols, except that a green X was used for deletions and a tick mark was used to show the limits of deletions and points of change in road classifications. The following color scheme was used.

Deletions -----Green
 Additions, classifications, boundaries, names,
 bench marks, and level elevations -----Black
 Water Culture -----Blue

47. ADEQUACY OF COMPILATION: The compilation of this sheet was complete and adequate with few additions necessary except for known deficiencies such as, classifications of roads, woods, and public buildings, and the addition of power lines, railroad spurs, and corrected shoreline.

48. ACCURACY TESTS:

1. Horizontal test- A separate report of the horizontal accuracy test for this quadrangle is included with this report.
2. Vertical- As no elevations on this quadrangle exceeded 10 feet vertical accuracy tests were not necessary.

Approved & Forwarded By
Roy A. Schoppe
 Comdr. R.L. Schoppe, C & G Survey

Submitted By
Wendell Bever
 Wendell Bever
 Jr. Topo. Engr.

FROM WAR MAPPING FIELD PARTY NO. 2

Tests For Horizontal Accuracy Quadrangle T-8496 Project 302A

This test consists of a traverse between traverse station 16(1943) and triangulation station N. Wildwood(1932). The traverse is 6.3 statute miles in length and contains 20 test points; 16 of which are within the limits of this quadrangle. The traverse closure is one part in 15560 and a discrepancy of 0.65 meter was adjusted through the traverse. The test points are referred to in the traverse computations as P.P.No. and the scaled position from the map manuscript is referred to as M.M.No.

Tabulation of Test Points

Description of Point	Test Point Number	Latitude	Longitude	Difference in mm.
East end of bridge	P.P.No.4	38-59-1734.7	74-51-180.5	.
	M.M.No.4	38-59-1738.2	74-51-186.6	.309
East end of bridge	P.P.No.5	38-59-729.8	74-50-43.1	
	M.M.No.5	38-59-725.0	74-50-44.2	.246
Inter. of road & road, 90 degrees	P.P.No.6	38-59-531.3	74-49-1161.8	
	M.M.No.6	38-59-532.2	74-49-1160.6	.076
Inter. of cross roads, 90 degrees	P.P.No.7	38-59-277.2	74-49- 919.9 ^{919.9}	
	M.M.No.7	38-59-275.0	74-49-919.9	.182
Inter. of road & RR, 90 degrees	P.P.No.8	38-59-75.2	74-49-733.2	
	M.M.No.8	38-59-73.9	74-49-727.6	.288
Inter. of cross roads, 90 degrees	P.P.No.9	38-58-1768.7	74-49-588.0	
	M.M.No.9	38-58-1766.3	74-49-584.5	.142
Inter. of cross roads, 90 degrees	P.P.No.10	38-58-1617.3	74-49-443.7	
	M.M.No.10	38-58-1619.2	74-49-444.2	.098
Inter. of cross roads, 90 degrees	P.P.No.11	38-58-1779.8	74-49-270.6	
	M.M.No.11	38-58-1780.3	74-49-268.3	.118
Inter. of cross roads, 90 degrees	P.P.No.12	38-59-145.1	74-49-39.5	
	M.M.No.12	38-59-144.9	74-49-39.2	.018
Inter. of cross roads, 90 degrees	P.P.No.13	38-59-514.9	74-48-1090.8	
	M.M.No.13	38-59-515.0	74-48-190.3	.026
Inter. of cross roads, 90 degrees	P.P.No.14	38-59-787.2	74-48-829.4	
	M.M.No.14	38-59-785.7	74-48-826.2	.096
Northwest corner of church	P.P.No.15	38-59-816.5	74-48-776.7	
	M.M.No.15	38-59-817.3	74-48-779.3	.090
Inter. of road & road edge, 90 degrees	P.P.No.16	38-59-969.1	74-48-654.7	
	M.M.No.16	38-59-966.1	74-48-650.4	.262

con.

con. Quadrangle T-8496

Inter. of road & road, 90 degrees	P.P.No.17 M.M.No.17	38-59-1087.8 38-59-1089.0	74-48-780-6 74-48-780.0	. .067
Inter. of cross roads, 90 degrees	P.P.No.18 V.M.No.18	38-59-1324.0 38-59-1323.0	74-48-551.2 74-48-551.1	. .050
Inter. of cross roads, 90 degrees	P.P.No.19 M.M.No.19	38-59-1623.1 38-59-1622.4	74-48-269.8 74-48-268.1	. .092

Except for test points No. 4 and No. 5 which are less well defined, the remaining test points are well defined. The map manuscript error is less than .5 mm at all points tested; the horizontal accuracy of this map is good and within the requirements of the instructions.

Approved by
Ray Schoppe
Ray A. Schoppe,
Chief of Party.

Submitted by:
Charles Hanavich
Charles Hanavich,
Prin. Photo. Aid.

T-8496

Wildwood, N.J.

Triangulation Stations

- ✓ ✓ White Dome 1928 (Wildwood Convention Hall) Ldmk R 1936
- ✓ ✓ School 1932 R 1938
- ✓ ✓ Wildwood Large Standpipe 1932 Ldmk R 1938
- ✓ ✓ Middle of three Stacks 1928 R 1937
- ✓ ✓ Taylor 1936 R 1937
- ✓ ✓ Gables 2 1937 R 1937
- ✓ ✓ Wood Tank 1927 (P.R.R.) R 1937
- ✓ ✓ Pole 1927 R 1937
- ✓ Cape May East Jetty Light 1936
- ✓ " " West Jetty light 1936
- ✓ ✓ A Wildwood Funchaser Pier East Dome 1928 (No. 7) R 1936
- ✓ ✓ B " " " West Dome 1928 (No. 8) R 1936
- ✓ ✓ Wildwood Standpipe 1928 Ldmk R 1937
- ✓ ✓ Swain 1936 R 1937
- ✓ ✓ Jar 1936 R 1937
- ✓ ✓ Gables, 1932 Destroyed 1937

No recovery shown for these stations - 1942 Light List certifies continuance of these lights.

Topographic Stations

- Light No. 4 ✓ Tidal B.M. 6 ✓
- Light No. 5 ✓ 1 ✓
- Light No. 6 ✓
- E. Gable Ho.
- E. Gable Ho.
- Sun. (S.W. Chim.) (d) ✓

Gas Tank
Tom (Gable of House) ✓

- C.G. Flag Tower ✓
- N.J. Geod. Control S. Stations.
- Mon. No. 5773 ✓ C
- " " 5774
- 5775 ✓ F
- 5776 ✓ G
- 5795
- 5796 - X

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

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

October 20, 1943

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

The positions given have been checked after listing.

Ray F. Schuyler
Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION				METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE							
		D. M.	S.	D. P.	METERS						
	Wildwood, N.J.										
	Standpipe (Δ WILDWOOD, LARGE STANDPIPE, 1927)	38 58	807.7	74 50	529.5	1927		X	X		1217 1218 1219
	Dome (Δ WHITE DOME, 1942)	38 59	24.5	74 48	1206.8	1927			X		" "
	Standpipe (Δ WILDWOOD STANDPIPE, 1927)	38 59	1006.5	74 48	1206.0	1927			X		" "
	Geographic positions of above stations	unavailable to this office									
	Tower	38 58	1357	74 49	413.5	1927		X	X		" "

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8496

WILDWOOD, N. J. QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

Horizontal accuracy excellent; vertical test not necessary, since the maximum elevation is 12 feet and this series of maps has a 20-foot contour interval.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-148	1/10000	1842	1532	1/10000	1881
1470	"	1879	2451	"	1899
1483	"	1880	4366	"	1928
			4455	1/5000	1929
T-5647 & 5648	1/10000	1936	were used as preliminary base for survey T-8496.		
U.S. ARMY ENG.	CAPE MAY N.J., #DEL	1/62500	1941		

Comparison with Nautical Charts Nos. 234; 827; 1219

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts: See paragraph 45, Compilation Report

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Re-location of High Water Line - Field Edit Data	"	"
Public buildings	"	"
Three aids to navigation	"	"
Transmission line and bridge data.	"	"

Coast Pilot information, supplied by the Field Edit, has been forwarded to Chart Division.

J
2/10/48

There has been no hydrographic survey since H-6224, 1937. LTS

Reviewed 21 Dec. 1943 By *Lillian Lee* *per LTS.*
under direction of D. H. Benson

Inspected by B. G. Jones *B.G. Jones 2/48*

Examined and approved:

[Signature]
Chief, ~~Surveys Branch~~

[Signature]
Chief, ~~Topography Section~~
Navigation Branch

K.T. Adams
Chief, Div. of ~~Charts~~ *Photogrammetry*

C.H. Green
Chief, Div. of Coastal Surveys

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault.

Cloth-mounted copy of the published quadrangle.

Black and white cloth-mounted copy of the published quadrangle at 1:20,000 scale. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For woodland, refer to the published quadrangle for the finally adopted outlines.

Descriptive Report.

Filed in the Photogrammetric Division.

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch.

Glass negatives of the color separation drawings.

Filed in the Library.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract.

Film negatives and film positives of the color separation drawings.

All color separation drawings.

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

Remarks

No. 1
Decisions

	Remarks	No. 1 Decisions
1		
2	(Not Inland Waterway)	USGB
3		Railway Guide
4		
5		
6		389748 USGB
7		
8		"
9		"
10		"
11		"
12		"
13		" USGB
14		"
15		390748 V&A
16		" USGB
17		389748 "
18		" "
19		" "
20		390748 "
21		389748 "
22		"
23		"
24		"
25		" USGB
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8496

WILDWOOD quadrangle

Name on Survey

	A	B	C	D	E	F	G	H	K
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
Cape May County	✓								1
Intracoastal Waterway		✓							2
Pennsylvania-Reading Seashore Lines			✓						3
Lower Township			✓						4
Middle Lower Township			✓						5
									6
Wildwood	✓								7
Cape May Inlet	✓								8
Two Mile Beach	✓								9
Five Mile Beach	✓								10
Ocean Drive	✓								11
Wildwood Gables	✓								12
Wildwood Crest	✓								13
Ocean Pier	✓								14
North Wildwood	✓								15
West Wildwood	✓								16
Post Creek	✓								17
Post Creek Basin	✓								18
									(not Sunset Lake as on name sheet)
Ottens Harbor	✓								19
Wildwood Canal									20
									the Harbor Road
Grassy Sound Channel	✓								21
Drawbridge									(settlement) ✓
Mid Island	✓								23
Beach Creek	✓								24
Ephraim Island	✓								25
Shaw Island	✓								26
Shaw Cutoff	✓								27

T-8496

No. 2
Decisions

Remarks

	Remarks	No. 2 Decisions
1		389748 USGB
2		"
3		"
4		"
5		"
6		" USGB
7		" "
8		"
9		"
10		"
11		"
12		" USGB
13		" "
14		"
15		"
16		"
17		"
18		" USGB
19		"
20		"
21		"
22		"
23		" USGB
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8496

2	Name on Survey	Sources										
		A	B	C	D	E	F	G	H	K		
	<u>Richardson Channel</u>	✓										1
	<u>Hildreth Meadow</u>	✓										2
	<u>Essenberg Fish Factory</u>											3
	<u>Terrapin Thorofore</u>	✓										4
	<u>Taylor Creek</u>	✓										5
	<u>Jones Creek</u>	✓										6
												(not Delavan Creek)
	<u>Taylor Sound</u>	✓										7
	<u>Stingaree Creek</u>	✓										8
	<u>Stingaree Point</u>	✓										9
	<u>Stites Creek</u>	✓										10
	<u>Sedge Creek</u>	✓										11
	<u>Swain Channel</u>	✓										12
	<u>Sunset Lake</u>	✓										13
	<u>Cresse Island</u>	✓										14
	<u>Old Turtle Creek</u>	✓										15
	<u>Folly Point</u>											16
	<u>Jarvis Sound Thorofare</u>	✓										17
	<u>Reubens Thorofare</u>	✓										18
	<u>York Creek</u>	✓										19
	<u>Haulover Creek</u>	✓										20
	<u>Meadow Creek</u>	✓										21
	<u>Long Point</u>	✓										22
	<u>Jarvis Sound</u>	✓										23
	<u>Shell Pile</u>	✓										24
	<u>Shell Thorofare</u>	✓										25
	<u>Flower Mound</u>	✓										26
	<u>Southwest Cove Point</u>											27

Remarks

	Remarks	Decisions
1		389748
2		"
3		" USGB
4		"
5		" USGB
6		"
7		"
8		"
9	Check location from nautical chart	"
10	In text of names report: presumably area around Sedge Cr ek on west side of Richardson Channel	"
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GEOGRAPHIC NAMES

Survey No. T-8496

3 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
<u>Downs Gut</u>	✓									1
<u>Gold Spring Harbor Dock</u>	✓									2
<u>Lower Thorofare</u>	✓									3
<u>Thorofare Island</u>	✓									4
<u>Middle Thorofare</u>	✓									5
<u>Middle Thorefare Bridge</u>										6
<u>Old Lower Thorofare</u>	✓									7
<u>Duck Gut</u>										8
<u>Wildwood Coast Guard Station</u>				cape May Road						9
? <u>Sedge Island</u>										10
										11
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Names underlined in red approved
by L. Heck on 11/8/44

