

9089

Diag. Cht. No. 1212-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE-PHOTOGRAMMETRIC

Field No. Ph-31(12)F Office No. T-9089

LOCALITY

State CONNECTICUT

General locality CONNECTICUT RIVER

Locality GILDERSLEEVE ISLAND TO ROCKY HILL

1948

CHIEF OF PARTY

R.J. Sipe, Chief of Party.

C.W. Clark, Portland Photogrammetric Office

LIBRARY & ARCHIVES

DATE Aug - 14 - 1953

9089

Part,  
Cht 267 - App'd 9-29-65 GRJ

Thru ~~RS-879~~ BP 68518 (part 3)

# DATA RECORD

Page 2

T-9089

Project No. (II): Ph-31(48)F

Quadrangle Name (IV):

Field Office (II): Washington, North Carolina

Chief of Party: Riley J. Sipe

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Charles W. Clark

Instructions dated (II) (III): 9 April 1948 (Field)  
9 February 1949 (Office)

Copy filed in Division of  
Photogrammetry (IV)  
Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):

JAN 17 1951

Date reported to Nautical Chart Branch (IV):

JAN 24 1951

Applied to Chart No.

Date:

Date registered (IV): 18 Nov. 1952

Publication Scale (IV):

Publication date (IV): (Date of Issue July 1952)

Geographic Datum (III): N.A. 1927

Local Mean River Stage  
Vertical Datum (III): ~~Mean Sea Level~~

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (6) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): ARMS, 1935

Lat.:  $41^{\circ} 37' 51.668''$   $1594.0m$  Long.:  $72^{\circ} 37' 42.130''$   $975.2 m$  Adjusted X  
(257.1m) (413.6 m) Unadjusted

Plane Coordinates (IV): p.33

State: Conn.

Zone:

Y= 290,668.35

X= 633,252.25

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.


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



DATA RECORD

Field Inspection by (II): **R.A. Horn and E.T. Jenkins**

Date: **6/12/48 to 7/6/48**

Planetable contouring by (II): \_\_\_\_\_

Date: \_\_\_\_\_

Completion Surveys by (II): \_\_\_\_\_

Date: \_\_\_\_\_

Mean High Water Location (III) (State date and method of location): **6/12/48 to 7/6/48. Located on field inspection photographs.**

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): **Alfred C. Holmes**

Date: **1/16/50**

Control checked by (III): **Roy A. Davidson**

Date: **1/17/50**

Radial Plot or Stereoscopic Control extension by (III): **James L. Harris and Alfred C. Holmes**

Date: **2/17/50**

Stereoscopic Instrument compilation (III):  
Planimetry \_\_\_\_\_

Date: \_\_\_\_\_

Contours \_\_\_\_\_

Date: \_\_\_\_\_

Manuscript delineated by (III): **Marie B. Elrod**

Date: **5/19/50**

Photogrammetric Office Review by (III): **Ree H. Barron**

Date: **7/21/50**

Elevations on Manuscript \_\_\_\_\_  
checked by (II) (III):

Date:

Camera (kind or source) (III): U.S.C. & G.S. Single lens Camera "J"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
48 J-784 to 786 Incl.	5/2/48	12:02	1:10,000 ratio	0.2 ft. above M.L.W.
48 J-817 to 819 Incl.	5/2/48	12:47	1:10,000 ratio	0.1 ft. below M.L.W.

\* Tidal information applies only during lowest river stages. (See Field Inspection Report for T-9093 and T-9094 Project Ph-31(48)F side-heading 7, "Mean High Water").

Tide (III)

Reference Station: New London, Conn.  
Subordinate Station: Portland, Conn.  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	2.6	3.1
0.8	2.0	2.4

Washington Office Review by (IV): *Lena T. Stevens*

Date: 21 June, 1951

Final Drafting by (IV): M.C. Jones

Date: 11/8/51

Drafting verified for reproduction by (IV): *A. Daan* *W.O. Halluin*

Date: 5/12/52  
6/20/52

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 16.9

Shoreline (More than 200 meters to opposite shore) (III): 10.1

Shoreline (Less than 200 meters to opposite shore) (III): 4.4

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: 36

Identified: 11

Number of BMs searched for (II):

Recovered:

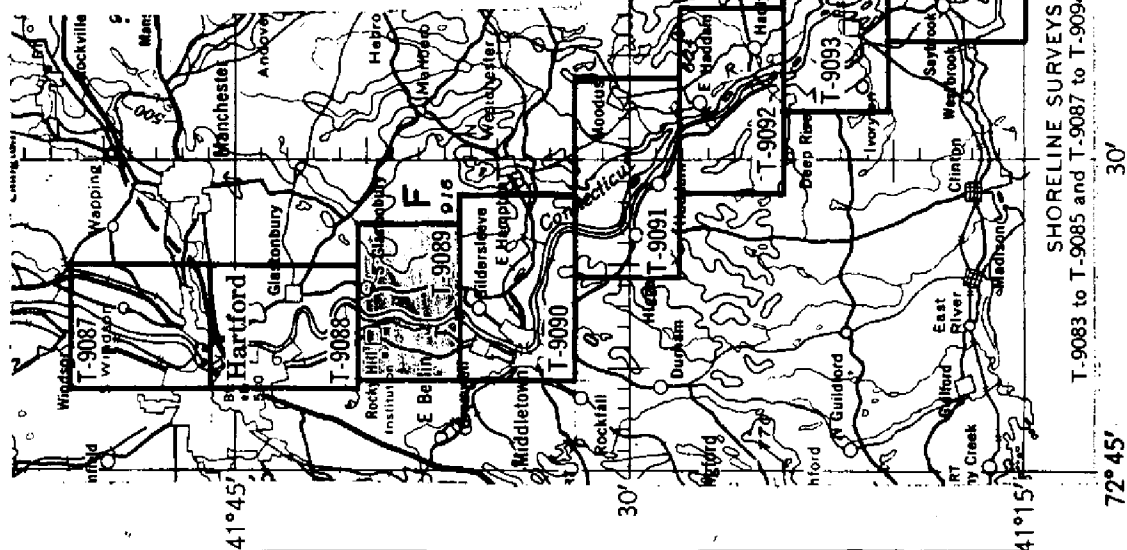
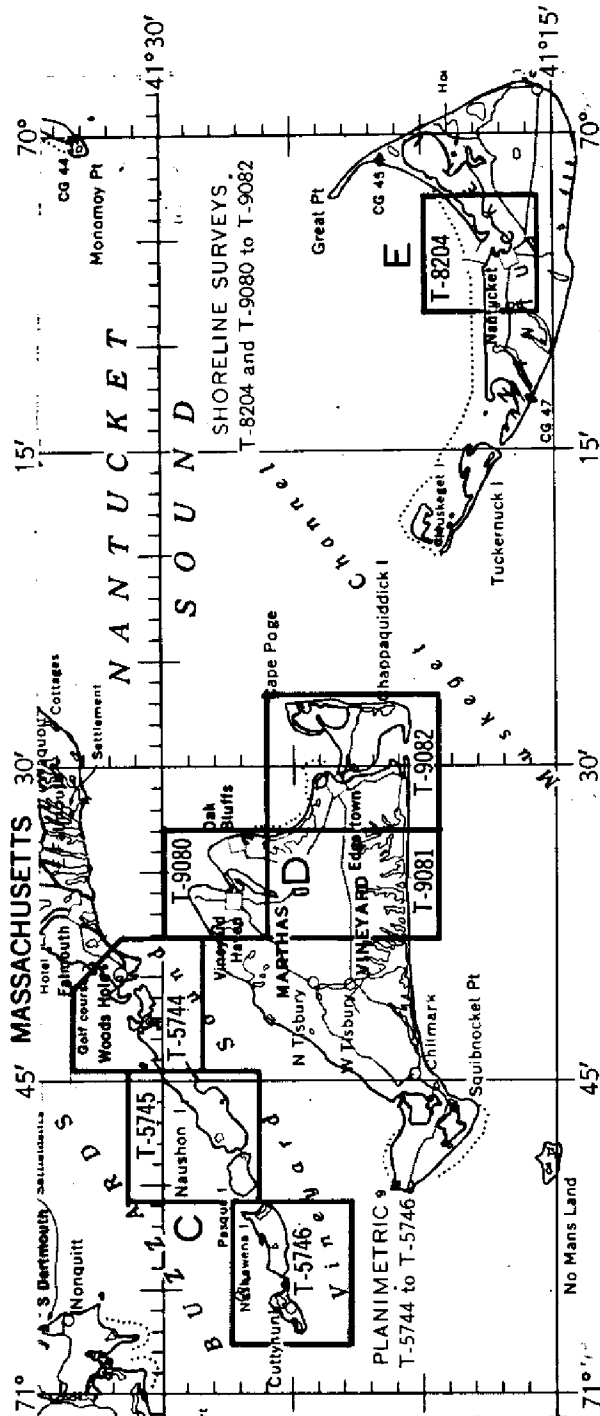
Identified:

Number of Recoverable Photo Stations established (III): 7

Number of Temporary Photo Hydro Stations established (III):

Remarks:

## PLANIMETRIC AND SHORLINE MAPPING



SHORELINE SURVEYS  
T-9083 to T-9085 and T-9087 to T-9094, scale 1:10,000

T-9083 to T-9085 and T-9087 to T-9094, scale 1:10,000

72° 45'

30'

15'

72°

45'

71°30'

5

6

Summary to Accompany T-9089

Shoreline Survey T-9089, scale 1:10,000, (latitude 41° 36' to 40'; Longitude 72° 35' to 40') is one of 20 maps in planimetric and shoreline project Ph-31(48). This project has six parts (A to F) and extends from Nantucket Island, Massachusetts, to and including the Connecticut River, Connecticut.

T-9089 is one of the F group and includes that part of the Connecticut River between Cromwell and Gildersleeve Island on the south to and including the Glastonbury Ferry between Rocky Hill and the river's east shore on the north.

The F group consists of 8 shoreline surveys of the Connecticut River (T-9087 to T-9094 inclusive) extending from Long Island Sound to about five miles north of Hartford.

\* \* \* \* \*

After the map manuscripts in this project have been reviewed, smooth drafted, reproduced, and registered, a Completion Report will be written and filed in the Bureau Archives under the project number. This report will include:

1. A brief description of any historical or procedural matters peculiar to the project.
2. A project index sketch
3. Important pertinent correspondence
4. Any special reports (boundary, radial plot, etc.) not already incorporated with the Descriptive Reports
5. Statistical data
6. A list of classified and accessioned data filed in the Bureau Archives
7. A list of supplementary maps and plans, and the Chart Letters (by file numbers) forwarded to the Division of Charts.
8. Copies of project instructions.

FIELD INSPECTION REPORT  
 QUADRANGLES 9089 AND 9090  
 PROJECT Ph-31 (48)  
 SUB-PROJECT "F"

Riley J. Sipe, Chief of Party

All phases of the field work were done in accordance with The Director's Instructions, Project Ph-31 (48), Field, dated 9 April 1948.

The field work on these quadrangles was performed by the following personnel on the dates indicated:

<u>Name &amp; Title</u>	<u>Field Work</u>	<u>Dates</u>
E. T. Jenkins Engineering Aid	Recovery, Shoreline and Inspection	6-12-48 7-6-48
Robert A. Horn Photogrammetrist	Recovery, Shoreline and Inspection	6-12-48 7-6-48

1. Description of the Area

The area surveyed includes the Connecticut River from Cobalt, Connecticut, up to and including a portion of Rocky Hill, Connecticut; also the land area adjacent to the Connecticut River.

The river in this section is well marked by Aids to Navigation and has adequate water depth for the passage of large barges and medium size tankers.

The principal settlements in the locality are Middletown, Portland, Cromwell and Rocky Hill. The predominant occupation of the inhabitants is manufacturing of many descriptions.

As this survey continues north, it is apparent that the general trend of the topography is changing from the steep, rocky nature of shoreline to a low alluvial type which floods frequently and is subjected to a considerable number of changes due to the high waters.

2. Completeness of Field Inspection

See Report on Quadrangles 9093 and 9094.

3. Interpretation of the Photographs

Up to and including sheet 9090, the photographs taken



with Camera "D" in 1946 were used. However, in Quadrangle 9089 it was deemed advisable to use the recent photography taken in May of this year. As noted in the last sentence of paragraph one, the general characteristics of the shoreline have changed north of Middletown and it was felt that a more efficient and accurate survey would emerge by using the most recent photography.

4. Horizontal Control

See Report on Quadrangles 9093 and 9094.

5. Vertical Control

Not applicable to this Project.

6. Contours and Drainage

Not applicable.

7. Mean High Water

See Report on Quadrangles 9093 and 9094.

8. Low Water Line

See Report on Quadrangles 9093 and 9094.

9. Wharves and Shoreline Structures

See Report on Quadrangles 9093 and 9094.

10. Details Off-shore from Mean High Water Line

See Report on Quadrangles 9093 and 9094.

11. Landmarks and Aids to Navigation *Ch. Let. No 35 (1951)*

All Landmarks and Fixed Aids to Navigation in the area were investigated. A few new and particularly desirable Landmarks have been added. Form 567 is submitted with the information determined.

12. Hydrographic Control

Not applicable.



13. Landing Fields and Aeronautical Aids

There are no landing fields in this area. There is one aeronautical aid, the CROMWELL AIRWAY BEACON, which is triangulation.

14. Roads

Same as Report on Quadrangles 9093 and 9094.

15. Bridges

All bridge information for the area covered by this report as listed in the U. S. Engineers 'List of Bridges Over Navigable Waters in the U. S.', dated July 1, 1941, was verified. All clearances were carefully measured with a steel tape and the published clearances were found to be correct except for the following discrepancy which has been reported to the District Engineer. The two span, fixed, highway bridge at Middletown, Connecticut, is listed with a horizontal clearance of 480 feet. Our measurements of the east span (channel), between the Mean High Water mark on the pier in mid-stream and the Mean High Water Line on shore, reveal the clearance to be 550 feet. In reply to our letter concerning the discrepancy, the District Engineer informed this sub-party that the horizontal measurements listed in the Bridge Book are taken at Mean Low Water level and then only to the extremes to which their minimum vertical clearances will allow. *Noted in L. 471 (1948)*

16. Buildings and Structures

Same as report on Quadrangles 9091 and 9092.

17. Boundary Monuments and Lines

Not applicable to this Project.

18. Geographic Names

In accordance with the Project Instructions, a systematic investigation of geographic names was not made. However, important points were identified and a few additional names supplied. One discrepancy was noted on Chart 267, just north of Middletown, Connecticut, on the west shore of the river.



*BN decision*  
*T-9090*

At this point, there is a tributary identified as  
 MATTABESSET RIVER; all local information indicates and  
 verifies that this stream is generally known as LITTLE  
 RIVER.

Submitted:  
 Date 8 July 1948

*E. T. Jenkins*  
 E. T. Jenkins  
 Engineering Aid

*Robert A. Horn*  
 Robert A. Horn  
 Photogrammetrist

PHOTOGRAMMETRIC PLOT REPORT  
Map Manuscript No. T-9089  
Project Ph-31(48)F

The photogrammetric plot for this map manuscript is described in a combined Photogrammetric Plot Report for Map Manuscripts T-9087 to T-9090 Incl. and is included in the Descriptive Report for Map Manuscript No. T-9087 (1948).



MAP T- 9089

PROJECT NO. Ph-31(48)F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\chi$ -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)
BOWERS, 1935	G-3536 Pg. 155	N.A. 1927	41° 36' 09.837" <sup>1</sup> 72° 37' 35.801" <sup>1</sup>			303.5 (1547.6) 829.0 (560.4)	
HOFMAN'S BARN	G-3536 Pg. 195	"	41° 37' 18.51" <sup>11</sup> 72° 39' 45.11" <sup>11</sup>			571.1 (1280.0) 1044.3 (344.7)	
ROCKY HILL BELA- MOSE ELEVATED TALL TANK, 1935	G-3536 Pg. 196	"	41° 38' 50.874" <sup>19</sup> 72° 37' 43.462" <sup>19</sup>			1569.5 (281.5) 1005.8 (382.7)	
SAND PIT, 1935	G-3536 Pg. 156	"	41° 37' 44.821" <sup>12</sup> 72° 38' 01.683" <sup>12</sup>			1382.8 (468.3) 39.0 (1349.9)	
ROCKY HILL VETERANS ELEVATED TANK, 1935	G-3536 Pg. 196	"	41° 39' 28.273" <sup>25</sup> 72° 39' 11.878" <sup>25</sup>			872.3 (978.8) 274.8 (1113.4)	
EAST CROWNELL PIER, SON'S STACK, 1935	G-3536 Pg. 194	"	41° 36' 28.086" <sup>2</sup> 72° 38' 45.148" <sup>2</sup>	4 dm k (5m 562)		866.5 (984.6) 1045.4 (343.9)	
GLASTONBURY TOWN FARM GABLE, 1935	G-3536 Pg. 196	"	41° 39' 27.48" <sup>76</sup> 72° 36' 17.23" <sup>76</sup>			847.8 (1003.3) 398.7 (989.6)	
PORTLAND BORDON- ARO'S WINDMILL TOWER, 1935	G-3536 Pg. 195	"	41° 37' 19.186" <sup>13</sup> 72° 35' 59.190" <sup>13</sup>			591.9 (1259.2) 1370.2 (18.8)	
PORTLAND WILLIAMS GARAGE CUPOLA, 1935	G-3536 Pg. 195	"	41° 36' 20.45" <sup>3</sup> 72° 35' 52.49" <sup>3</sup>			630.9 (1220.2) 1215.5 (173.9)	
POWDER, 1935	G-3536 Pg. 156	"	41° 38' 24.187" <sup>20</sup> 72° 36' 01.588" <sup>20</sup>	Incorrectly printed. Photo identification difficult		746.2 (1104.9) 36.8 (1351.8)	
ROCKY HILL CONNECT- ICUT FOUNDRY EL. TANK, 1935	G-3536 Pg. 197	"	41° 39' 50.663" <sup>17</sup> 72° 37' 48.477" <sup>17</sup>	4 dm k (4m 562)		1563.0 (288.1) 1121.5 (266.6)	Page 12
STRICKLAND, 1935	G-3536 Pg. 153	"	41° 36' 13.588" <sup>4</sup> 72° 35' 38.307" <sup>4</sup>			419.2 (1431.9) 887.1 (502.3)	

1 FT. = 3048006 METER

COMPUTED BY: J.C. LaJoye

DATE 7/12/49

CHECKED BY: G. Richter

DATE 7/13/49



MAP T-9089 PROJECT NO. Ph-31(48) SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
						FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	
✓ ARMS, 1935	G-3536 Pg. 156	N.A. 1927	41° 37' 51.668" <sup>12</sup> 72° 37' 42.130"			1594.0 (257.1)		
✓ PORTLAND, AMERICAN TELEGRAPH COMPANY	G-3536 Pg. 195	"	41° 36' 59.832" <sup>5</sup> 72° 37' 08.386"	<i>Tower destr. Base intact.</i>		975.2 (413.6)		
✓ EAST TOWER, 1935	G-3536 Pg. 154	"	41° 37' 57.601" <sup>19</sup> 72° 36' 47.811"			1845.9 (5.2)		
✓ SIMPSON, 1875	G-3536 Pg. 155	"	41° 37' 19.143" <sup>4</sup> 72° 36' 03.622"			194.1 (1195.0)		
✓ BORDONARO, 1935	G-3536 Pg. 156	"	41° 39' 18.674" <sup>28</sup> 72° 37' 09.489"			1777.1 (74.0)		
✓ McLEAN, 1935	G-3536 Pg. 194	"	41° 36' 33.583" <sup>4</sup> 72° 39' 32.067"			1106.7 (282.1)		
✓ CROMWELL AIRWAY BEACON, 1935	G-3536 Pg. 194	"	41° 36' 58.021" <sup>7</sup> 72° 37' 07.243"	<i>Ld mt. 1.5m 5.6</i>		590.6 (1260.5)		
✓ No. 96(USE), 1935	G-3536 Pg. 155	"	41° 37' 16.089" <sup>17</sup> 72° 37' 46.858"			83.8 (1305.2)		
✓ BLOW HOLE, 1935	G-3536 Pg. 154	"	41° 36' 36.307" <sup>10</sup> 72° 39' 31.910"			576.1 (1275.0)		
✓ PIERSON, 1935	G-3536 Pg. 153	"	41° 36' 13.942" <sup>8</sup> 72° 38' 59.440"			219.6 (1168.7)		
✓ CROMWELL, PIERSONS STACK, 1935	G-3536 Pg. 197	"	41° 39' 06.961" <sup>14</sup> 72° 38' 38.676"			1036.1 (815.0)		
✓ ROCKY HILL STAND- PIPE, 1935	G-3536 Pg. 153	"	41° 39' 07.359" <sup>30</sup> 72° 38' 37.720"			742.5 (646.8)		
✓ ROCKY HILL, 1935	G-3536 Pg. 153	"				1790.0 (61.1)		

COMPUTED BY: J.C. LaJoye

DATE 7/12/49

CHECKED BY: G. Richter

DATE 7/13/49



MAP T. 9089

PROJECT NO. Ph-31(48)F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -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)
ROCKY HILL BELA-MOSE STACK, 1935	G-3536 Pg. 196	N.A. 1927	41° 38' 50.416" <sup>21</sup>			1555.4 (295.7)	
ROCKY HILL BELA-MOSE ELEVATED SHORT TANK, 1935	G-3536 Pg. 196	"	72° 37' 42.299"	1 dm k (fm 567)		1007.8 (380.6)	
MAURICE HOUSE	Pos. Comp. from desc. for MAURICE, 1935	"	41° 38' 24.505" <sup>22</sup>			1553.6 (297.5)	
GABLE, 1934		"	72° 38' 05.569"			978.8 (409.6)	
MAURICE, 1935	G-3536 Pg. 156	"	41° 38' 24.113" <sup>24</sup>			756.0 (1095.1)	
CROMWELL ELEVATED TANK, 1935	G-3536 Pg. 194	"	72° 38' 32.511" <sup>9</sup>			128.9 (1259.8)	
CAVANAUGH, 1935	G-3536 Pg. 156	"	41° 39' 26.660" <sup>31</sup>			743.9 (1107.2)	
RICHARDS, 1935	G-3536 Pg. 157	"	72° 35' 53.419"			125.3 (1263.3)	
ROCKY HILL CATHOLIC CHURCH SPIRE, 1891	G-3536 Pg. 197	"	41° 39' 47.679" <sup>33</sup>			1003.0 (848.1)	
ROCKY HILL HALLS CUPOLA, 1935	G-3536 Pg. 197	"	72° 36' 39.466"			1291.8 (97.5)	
EDGEWOOD CLUB HOUSE GABLE, 1935	G-3536 Pg. 195	"	41° 39' 56.339" <sup>23</sup>			822.5 (1028.6)	
		"	72° 38' 38.069"			1236.0 (152.3)	
		"	41° 39' 56.843" <sup>24</sup>			1470.9 (380.1)	
		"	72° 37' 56.991"			913.0 (475.1)	
		"	41° 37' 54.145" <sup>18</sup>			1738.1 (113.0)	
		"	72° 38' 24.538"			880.7 (507.4)	
		"				1753.7 (97.4)	
		"				1318.5 (69.6)	
		"				1670.4 (180.6)	
		"				568.0 (820.8)	
		"					
		"					
		"					
		"					

Page 14

1 FT. = 3048006 METER

COMPUTED BY: J.C. Lajoie

DATE 7/12/49

CHECKED BY: G. Richter

DATE

7/13/49

M-2388-12



COMPILATION REPORT  
Map Manuscript No. T-9089  
Project Ph-31(48)F

Side headings 31 to 34 Incl., 36, 37, 39, and 47 of the Compilation Report for T-9087 are applicable to the Compilation Report for T-9089.

35: SHORELINE AND ALONGSHORE DETAILS:

Paragraphs 1, 2, 3, and 5 of side heading 35: "SHORELINE AND ALONGSHORE DETAILS" of the Compilation Report for T-9087 are applicable to T-9089.

The approximate limits of several small shoal areas have been indicated.

38: CONTROL FOR FUTURE SURVEYS:

Forms 524 are being submitted with this map manuscript for 7 recoverable topographic stations which are listed under side heading 49: "NOTES TO THE HYDROGRAPHER".

40: HORIZONTAL AND VERTICAL CONTROL:

It is believed there are no areas of sub-normal horizontal accuracy. Vertical accuracy is not applicable. See item 67.

46: COMPARISON WITH EXISTING MAPS:

A visual comparison was made with U.S.G.S. Hartford South, Conn., 7 1/2 min. quadrangle, Scale, 1:31,680, Edition of 1944.

A visual comparison was made with U.S.G.S. Middle Haddam, Conn., 7 1/2 min. quadrangle, Scale, 1:31,680, Edition of 1945.

A visual comparison was made with U.S.G.S. Middletown, Conn., 15 min. quadrangle, Scale, 1:62,500, Edition of 1893, Reprinted 1942.

A visual comparison was made with Army Map Service Glastonbury, Conn., 7 1/2 min. quadrangle, Scale, 1:25,000, Edition of 1946.

Approved:

*Charles W. Clark*  
Charles W. Clark  
Officer-in-Charge

Respectfully submitted:

*J. Edward Deal Jr.*  
J. Edward Deal, Jr.  
Cartographer

49: NOTES TO THE HYDROGRAPHER:

The following recoverable topographic stations were located by air photographic plot on this map manuscript:

DIVIDEND BAR FRONT RANGE LIGHT	Fm. 524	Fm 567
DIVIDEND BAR REAR RANGE LIGHT	"	"
PISTOL POINT FRONT RANGE LIGHT	"	"
PISTOL POINT REAR RANGE LIGHT	"	"
PUMP	"	"
SIAM DOCK LIGHT #80	"	"
<del>VETS</del> TANK, 1948	"	"

*Forms 524 filed in Div. of Photogrammetry general files.*

There were no photo hydro stations located during the compilation of this map manuscript.

## PHOTOGRAMMETRIC OFFICE REVIEW

T. 9089

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 ☒ 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 along-shore 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 ☒ 30. Other cultural features ☒

## BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

## MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒  
40. Ree H. Barron J. Edward Deal Jr.  
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.

\_\_\_\_\_  
Compiler\_\_\_\_\_  
Supervisor

43. Remarks:

M. 2623-12



48: GEOGRAPHIC NAMES:

Refer to side heading 18: "GEOGRAPHIC NAMES" of the field inspection report for T-9089 and T-9090 which is included with this Descriptive Report. The following geographic names shown on the map manuscript were obtained from the sources shown below.

NAUTICAL CHART 267BelamoseBrownstone BarDead Mans SwampDividend Bar IslandGildersleeve BarGildersleeve IslandNorth Cromwell (shift name to SE)Pistol Point BarARMY MAP SERVICEGLASTONBURY QUADConn. State Highway #217Great PondHales BrookPotter PondSouth GlastonburySt. Augustine CemeteryStill Hill CemeteryUSGS QUAD HARTFORD SOUTHConnecticut RiverConn. State Highway #9 (Silas DeanDividend BrookDividend PondElm StreetGlastonbury FerryHog BrookRocky HillSouth SchoolState Veterans HomeVeterans CemeteryWest StreetUSGS MIDDLE HADDAM QUADConn. State Highway #17Conn. State Highway #15A 17AFogelmarks CornersReservoir BrookStrickland HillWangunk Meadows

Highway to  
N. of Rocky Hill

Additional Names:

Icehouse PondCreamery PondGoodrich HeightsMillanes PondEdgewood Country ClubState No. 160Glastonbury AvePratt Street

Names on manuscript:

Drum HillRoaring BrookSiam Dock LightRose Hill Cemetery  
N.Y., N.H., & A.Geer StreetBrook StreetDividend RoadEvans RoadOak Hill RoadRiverview streetCharter Road

Names underlined in red  
are approved. 6-20-51

L. Heck

Review Report T-9089  
Shoreline Manuscript  
21 June 1951

62. Comparison with Registered Topographic Surveys.-

T-2044	1:10,000	1891-93	(with contours)
T-2045	"	"	"

Except for contours T-9089 supersedes the older surveys for shore and near-shore features for charting purposes.

63. Comparison with Maps of Other Agencies.-

USGS	Hartford South, Conn.	1:31,680	ed. 1944
USGS	Glastonbury	"	1946
USE	"	1:25,000	1948
USGS	Middletown	1:31,680	1945
USGS	Middle Haddam	"	1945

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

267 1:20,000 ed. Mar. 1948 rev. May 1951

Discrepancies:

1. Pisto Point Range Lights are 91.8 yds. (84m) apart (Light List gives 83 yds).
2. Divident Bar Range is 176° 19' (Light List gives 177°)
3. A charted submerged dike in the river channel between the mainland and the west shore of Gildersleeve Island is not delineated on the map manuscript. No field inspection identification was made, and it is not visible on the photographs.
4. The point of landing at the east end of Glastonbury Ferry is no longer at the end of former dock. This dock appears to be in ruins, and a dolphin slip has been established at the south side of the old dock. (Field Inspection Photo 48-J-787).

66. Control.- Station Powder, 1935 and its two reference marks were recovered in 1948, but the position pricked on the field photograph (48-J-818) fell about 1 mm south of the plotted position so that the station could not be used to control the radial plot. Control in the area was abundant, so that station Powder was not essential to the plot.

67. Accuracy.- This map complies with project instructions and meets the National Standards of map accuracy.

Reviewed by:

Lena T. Stevens  
Lena T. Stevens

Page 2

APPROVED BY:

A. V. Griffith  
Chief, Review Section *R. H. M.*  
Div. of Photogrammetry *Branch 7-27-53*

J. B. Munster  
Chief, Nautical Chart Branch  
Division of Charts *GRS*

O. S. Reading  
Chief, Div. of Photogrammetry *10/1*

Earl O. Hester  
Chief, Div. of Coastal Surveys *ART*