

9088

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(48)F Office No. T-9088

LOCALITY

State ... CONNECTICUT

General locality ... CONNECTICUT RIVER

Locality FROM ROCKY HILL, CONNECTICUT TO

EAST HARTFORD, CONNECTICUT

194 8.

CHIEF OF PARTY

R. J. Sipe, Chief of Field Party.

C. W. Clark, Portland Photogrammetric Office

LIBRARY & ARCHIVES

DATE May-30-1953

Part,
Cht 267 - Appd 9-28-65 GRS
Thru ~~RS-818~~ BP 68518 (part 2)

DATA RECORD

Page 2

T-9088

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

Field Office (II): Washington, N.C.

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)

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): 11-18-52

Publication Scale (IV):

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

Geographic Datum (III): N.A. 1927

Vertical Datum (III): ~~Local Mean River Level~~
Mean-Sea-LevelMean 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): CLAY BANKS, 1935

Lat.: $41^{\circ} 44' 02.545''$ 78.5 m
(1722.6 m)Long.: $72^{\circ} 38' 28.406''$ 656.5 m
(730.1 m)Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Conn.

Zone: —

Y = 328,202.83

X = 629,690.76

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

Page 4

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

Date: 7/7/48 - 7/29/48

Planetable contouring by (11):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 7/7/48 to 7/29/48. 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: 1/17/50

Control checked by (III): Roy A. Davidson

Date: 1/18/50

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

Date: 2/17/50

Stereoscopic Instrument compilation (III):

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): **Helen L. Laube**

Date: 7/21/50

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

Date: 8/24/50

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

Date:

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

Number	Date	Time	Scale	Stage of Tide
48-J-788	5/2/48	12:03	1:10000 ratio	1.0 ft. above M.L.W.
48-J-790 thru. 794	5/2/48	12:13	"	1.0 ft. above M.L.W.
48-J-802 " 806	5/2/48	12:37	"	0.9 ft. above M.L.W.
48-J-808	5/2/48	12:38	"	0.9 ft. above M.L.W.

NOTE: 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, Connecticut
 Subordinate Station: Hartford, Connecticut
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	2.6	3.7
0.7	1.7	2.0

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

Date: 27 July 1951

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

Date: 6/16/52

Drafting verified for reproduction by (IV): *W.O. Hallum*

Date: 6/19/52

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 116

Shoreline (More than 200 meters to opposite shore) (III): 24.9

Shoreline (Less than 200 meters to opposite shore) (III): 13.0

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: 50

Identified: 17

Number of BMs searched for (II):

Recovered:

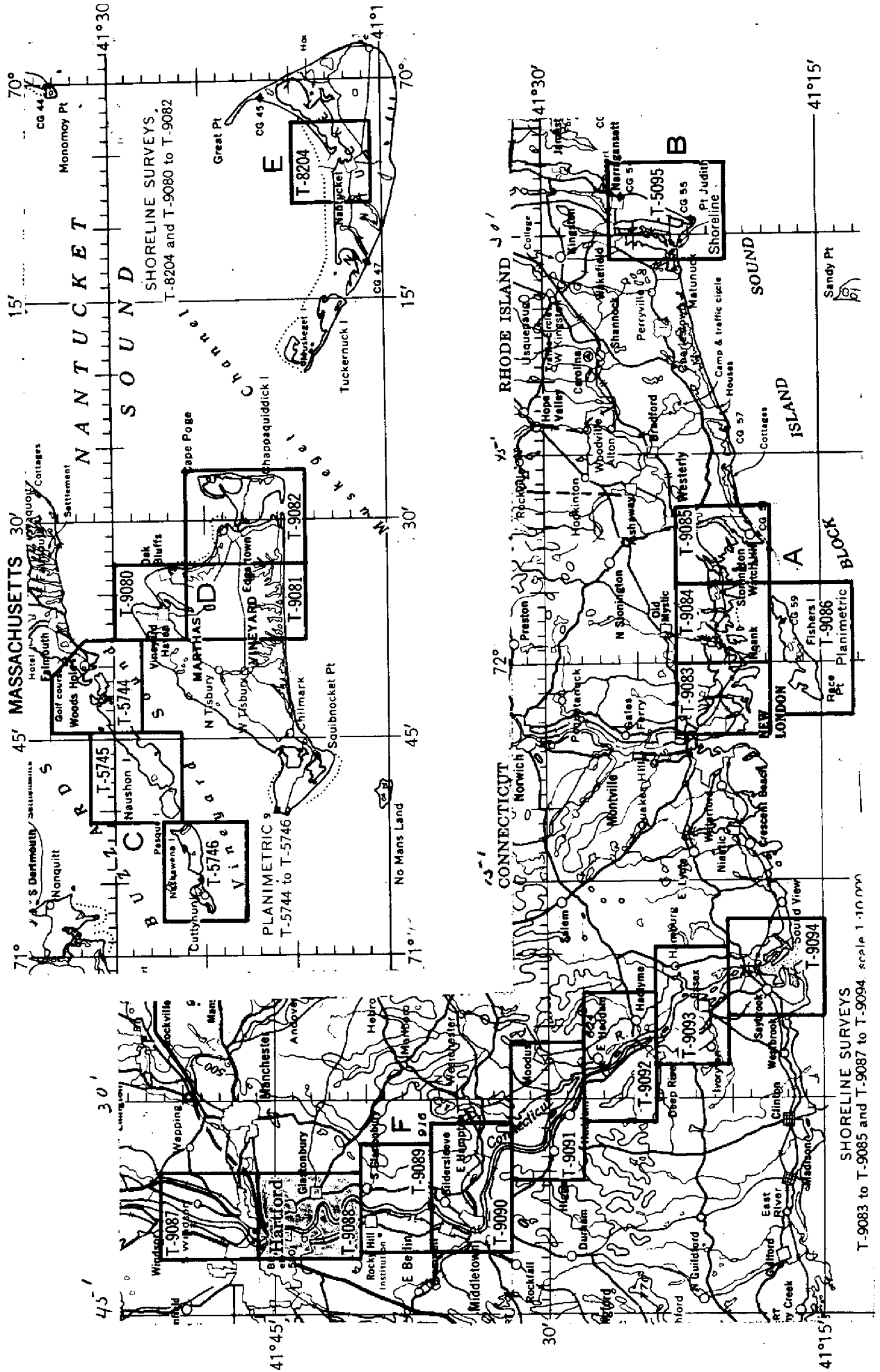
Identified:

Number of Recoverable Photo Stations established (III): 13

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

Remarks:

PLANIMETRIC AND SHORLINE MAPPING PROJECTS PH-31(48) A-B-C-D-E-F



Summary to Accompany T-9088

Shoreline Survey T-9088, scale 1:10,000 (latitude 41° 40' to 46'; longitude 72° 35' to 40½') 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, Mass. to and including the Connecticut River, Conn.

T-9088 is one of the F group and includes that part of the Connecticut River between Rocky Hill on the south to East Hartford 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 number) forwarded to the Division of Charts.
8. Copies of project instructions.

FIELD INSPECTION REPORT
Map Manuscript No. T-9088
Project Ph-31(48)F

The field inspection report for this map manuscript is part of a combined field inspection report for Map Manuscripts Nos. T-9087 and T-9088 and is included in the Descriptive Report for T-9087 (1948).

PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript No. T-9088
Project No. Ph-31(48)F

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

MAP T. 9088

PROJECT NO. Ph-31 (48) F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION <i>all RPI Δ h₂ 13</i>	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)	
✓ PRATT, WHITNEY, BLACK AND YELLOW SOUTH PYLON, 1935	G-3536 P. 199	N.A. 1927	41° 41' 18.842" <i>h₂ 13</i>	10			581.3	(1269.8)	
✓ <i>RPI</i> MOSLEY SILO, 1935	G-3536 P. 200	"	41° 41' 42.47 "	"			14.7	(1372.9)	
✓ <i>RPI</i> NABUC FACTORY	G-3536 P. 200	"	41° 42' 58.198" <i>h₂ 13</i>	14			1310.3	(540.8)	
✓ <i>RPI</i> SMOKE STACK, 1891	G-3536 P. 200	"	72° 37' 06.134"				614.6	(772.8)	
✓ <i>RPI</i> CLAY BANKS, 1935	G-3536 P. 158	"	41° 44' 02.545" <i>h₂ 13</i>	35			1795.5	(55.6)	
✓ <i>RPI</i> GLASTONBURY WIL- LIAMS COMPANY	G-3536 P. 200	"	72° 38' 28.406"				141.8	(1245.2)	
✓ <i>RPI</i> EAST HARTFORD SILVER LANE TANK (EL.) 1935	G-3536 P. 204	"	41° 45' 41.428" <i>h₂ 13</i>	34			78.5	(1772.6)	
✓ <i>RPI</i> EAST HARTFORD HOCK- ANUM CONGREGATIONAL CHURCH, 1891	G-6763 P. 300	"	72° 37' 20.709"				656.5	(730.1)	
✓ <i>RPI</i> WETHERSFIELD, FIRST CONGREGATIONAL	G-3536 P. 200	"	41° 42' 15.383" <i>h₂ 13</i>	15			474.6	(1376.5)	
✓ <i>RPI</i> CHURCH SPIRE, 1875	G-3536 P. 200	"	72° 35' 52.330"				1209.9	(177.3)	
✓ <i>RPI</i> HARTFORD CHURCH OF THE GOOD SHEP- HERD, 1875	G-3536 P. 204	"	41° 45' 41.428" <i>h₂ 13</i>	34			1278.1	(573.0)	
✓ <i>RPI</i> WETHERSFIELD STATE PRISON STACK, 1891	G-3536 P. 201	"	72° 37' 20.709"				478.4	(907.7)	
✓ <i>RPI</i> EAST HARTFORD RED BARN CUPOLA, 1935	G-3536 P. 202	"	41° 44' 38.414" <i>h₂ 13</i>	27			1185.1	(666.0)	
✓ <i>RPI</i> EAST HARTFORD PRATT WHITNEY STACK, 1935	G-3536 P. 203	"	72° 38' 04.045"				93.5	(1292.9)	
✓ <i>RPI</i> WETHERSFIELD STATE PRISON STACK, 1891	G-3536 P. 201	"	41° 42' 46.167" <i>h₂ 13</i>	14			1424.3	(426.8)	
✓ <i>RPI</i> EAST HARTFORD PRATT WHITNEY STACK, 1935	G-3536 P. 203	"	72° 39' 09.597"				221.9	(1165.2)	
✓ <i>RPI</i> WETHERSFIELD STATE PRISON STACK, 1891	G-3536 P. 201	"	41° 45' 26.686" <i>h₂ 13</i>	37			823.3	(1027.8)	
✓ <i>RPI</i> EAST HARTFORD PRATT WHITNEY STACK, 1935	G-3536 P. 203	"	72° 40' 09.427"				217.8	(1168.4)	
✓ <i>RPI</i> WETHERSFIELD STATE PRISON STACK, 1891	G-3536 P. 201	"	41° 43' 11.243" <i>h₂ 13</i>	22			346.9	(1504.2)	
✓ <i>RPI</i> EAST HARTFORD PRATT WHITNEY STACK, 1935	G-3536 P. 203	"	72° 39' 26.094" <i>h₂ 13</i>	23			603.2	(783.7)	
✓ <i>RPI</i> WETHERSFIELD STATE PRISON STACK, 1891	G-3536 P. 201	"	41° 43' 42.11 "	23			1299.2	(551.9)	
✓ <i>RPI</i> EAST HARTFORD PRATT WHITNEY STACK, 1935	G-3536 P. 203	"	72° 37' 44.83 "	18			1036.2	(350.6)	
✓ <i>RPI</i> WETHERSFIELD STATE PRISON STACK, 1891	G-3536 P. 201	"	41° 44' 54.876" <i>h₂ 13</i>	28			1693.0	(158.1)	
✓ <i>RPI</i> EAST HARTFORD PRATT WHITNEY STACK, 1935	G-3536 P. 203	"	72° 38' 15.336"				354.3	(1032.0)	

1 FT. = 3048006 METER

COMPUTED BY: J.C. LaJoye

DATE 7/11/49

CHECKED BY: G. Richter

DATE 7/12/49

M-2388-12

COPY

RADIAL PLOT FOR ONE LOG OBSTRUCTION POSITION
DETERMINED FOR T-9088 and CHART 267

A log obstruction near midstream in the Connecticut River between the towns of South Glastonbury and Rocky Hill which bares at low water and is not discernible on the photographs was located by observed directions to two triangulation stations, - VETERANS ELEVATED TANK and TWO PIERS FRONT RANGE LIGHT - and, to two lights whose positions have been determined by this plot - GLASTONBURY LOWER Lt. No. 90 and SOUTH GLASTONBURY REAR RANGE Lt.

Two acetate templets, for photographs J 787 and J 815 (1:10,000), were laid on T-9088 and T-9089 (1:10,000) with adequate control. A third templet, with the observed directions to the points and stations mentioned in the preceding paragraph, was then oriented to these points.

The scaled position of this log obstruction is submitted on form No. 567 and is believed to be within the 0.5 millimeter accuracy.

Further verification of this position may be had upon the laying of radial plots for T-9088 and T-9089 by the Baltimore Office* in the near future.

* Work reassigned to Portland Photogrammetric Office.

Submitted by:

L. Martin Gazik
Photogrammetrist

Approved by:

L. C. Lande

Date: Sept. 27, 1948

MAP T-9088

PROJECT NO. Ph-31(48)F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	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)	FORWARD	(BACK)
SOUTH GLASTONBURY EPISCOPAL CHURCH TOWER, 1935	G-3536	N.A.	41° 40'	02.08 "	1			64.2	(1786.9)		
	P. 198	1927	72° 36'	10.84 "				250.8	(1137.3)		
HARTFORD, CAPITOL HEAD OF VICTORY 1891	G-3536		41° 45'	50.570 "	38	<i>(west of map limit)</i>		1560.2	(290.9)		
	P. 205	"	72° 40'	57.866 "				1336.7	(49.3)		
HARTFORD, LIGHT COMPANY STACK 1935	G-3536		41° 45'	00.27 "	39			8.3	(1842.8)		
	P. 203	"	72° 39'	11.00 "				254.2	(1132.1)		
SOUTH GLASTONBURY FRONT RANGE LIGHT 1907	G-3536		41° 40'	31.56 "	2			973.7	(877.4)		
	P. 198	"	72° 36'	27.64 "				639.3	(748.6)		
GRISWOLD, 1935	G-3536		41° 42'	06.828 "	17			210.6	(1640.5)		
	P. 157	"	72° 40'	02.050 "				47.4	(1339.9)		
TEXACO BARREL ELEVATOR, 1935	G-3536		41° 44'	34.148 "	24			1053.5	(797.6)		
	P. 203	"	72° 38'	30.744 "				710.4	(676.0)		
GLASTONBURY ST. MARKS CHURCH TOWER, 1935	G-3536		41° 43'	21.78 "	24			672.0	(1179.1)		
	P. 201	"	72° 36'	42.19 "				975.2	(411.7)		
TRAP ROCK, 1935	G-3536		41° 40'	11.658 "	3			359.7	(1491.4)		
	P. 156	"	72° 38'	12.023 "				278.1	(1109.9)		
WETHERSFIELD, MEG- CAT'S SEED HOUSE CUPOLA, 1891	G-6763		41° 42'	55.158 "	18			1701.7	(149.4)		
	P. 298	"	72° 39'	21.478 "				496.5	(890.5)		
HELICO, 1935	G-3536		41° 45'	00.579 "	40			17.9	(1833.2)		
	P. 157	"	72° 39'	09.768 "				225.7	(1160.6)		
EAST HARTFORD BOUQUE TOWER 1935	G-3536		41° 44'	45.77 "	30			1412.1	(439.0)		H 8 8 8
	P. 202	"	72° 38'	09.19 "				212.3	(1174.1)		
EAST HARTFORD HOCK- ANUM METHODIST EPIS- COPAL CHURCH TOWER, 1935	P. 202	R ¹	41° 44'	08.98 "	31	<i>copy letter in</i>	<i>105.4 m</i>	277.05	(1574.07)		10
	Pos. by 1 st tr. from Wash.	"	72° 37'	42.47 "				981.4	(405.2)		

M-2388-12

7-9087

DATE 7/11/49

COMPUTED BY J.C. LaJoye

CHECKED BY G. Richter

DATE 7/12/49

MAP T-2088

PROJECT NO. Ph-31(48)F

SCALE OF MAP 1:10,000

SCALE FACTOR None

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)
DIRCK'S BARN GABLE, 1935	Pos. comp. from dest. N.A. of DIRCK 1927		41° 43' 32.280"	25'	p 3			995.9	(855.2)		
			72° 35' 54.664"					1263.5	(123.3)		
DIRCK, 1935	G-3536 Pg. 157	"	41° 43' 32.445"	24'				1001.0	(850.1)		
			72° 35' 54.492"					1259.5	(127.3)		
GLASTONBURY CON- SOLIDATED CIGAR CO. CUPOLA, 1935	G-3536 Pg. 200	"	41° 41' 59.81 "	13				1845.2	(5.9)		
			72° 36' 23.75 "					549.1	(838.2)		
HARTFORD PRATT & WHITNEY TANK (EL.) 1935	G-3536 Pg. 202	"	41° 44' 56.986"	32				1758.1	(93.0)		
			72° 38' 16.018"					370.1	(1016.2)		
HARTFORD, INSANE RETREAT VANE, 1891	G-6763 Pg. 292	"	41° 44' 58.424"	33	west of map limit			1802.5	(48.6)		
			72° 40' 57.116"					1319.7	(66.6)		
HARTFORD, WETHERS- FIELD AVENUE CON- GREGATIONAL CH., 1891	G-6763 P. 293	"	41° 44' 31.146"	34				960.9	(890.2)		
			72° 40' 21.614"					499.4	(887.0)		
HARTFORD, COLTS FACTORY CUPOLA, 1875	G-6763 P. 294	"	41° 45' 23.814"	41				734.7	(1116.4)		
			72° 39' 48.957"					1131.1	(255.1)		
HARTFORD LIGHT COMPANY W. TOWER 1935	G-3536 Pg. 203	"	41° 45' 08.251"	42				254.6	(1596.5)		
			72° 39' 30.313"					700.4	(685.9)		
COLT PIER LIGHT 1889	G-3536 Pg. 203	"	41° 45' 11.626"	43				358.7	(1492.4)		
			72° 39' 25.828"					596.7	(789.5)		
HARTFORD JERRY LIGHT, 1913	G-3536 Pg. 203	"	41° 45' 03.26 "	44				100.6	(1750.5)		
			72° 39' 04.36 "					100.7	(1285.6)		
HARTFORD SOUTH SCHOOL CUPOLA, 1891	G-6763 Pg. 293	"	41° 45' 33.156"	45	west of map limit			1022.9	(828.2)	Page	
			72° 40' 44.349"					1024.5	(361.6)		
HARTFORD, SOUTH CONGREGATIONAL CH. SPIRE, 1875	G-3536 Pg. 205	"	41° 45' 34.368"	44	"			1060.3	(790.8)	L	
			72° 40' 33.404"					771.7	(614.4)		

1 FT. = 3048006 METER

COMPUTED BY J.C. LaJoye

DATE 7/11/49

CHECKED BY G. Richter

DATE 7/12/49

M-2368-12

MAP T. 9088

PROJECT NO. Ph-31 (48) F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -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	
✓ HARTFORD, OLD STATE HOUSE CUPOLA, 1875	G-6763 Pg. 294	N.A. 1927	41° 45'	57.554"	4			1775.6	(75.5)		
✓ HARTFORD CENTER CONGREGATIONAL CHURCH SPIRE, 1891	G-6763 Pg. 293	"	41° 45'	52.127"	48			540.4	(845.5)		
✓ TRAVELERS TOWER 1935	G-3536 Pg. 109	"	41° 45'	51.688"	49			1608.2	(242.9)		
✓ WETHERSFIELD SCHOOL CUPOLA, 1935	G-3536 Pg. 201	"	41° 42'	36.518"	14			660.4	(725.6)		
✓ CROW POINT, 1935	G-3536 Pg. 157	"	41° 42'	14.631"	20			1594.7	(256.4)		
✓ HARTFORD LIGHT COMPANY, EAST TOWER, 1935	G-3536 Pg. 203	"	72° 39'	53.256"				542.9	(843.1)		
✓ SHIPMAN (MDSHC) 1935	G-3536 Pg. 157	"	41° 45'	18.766"	10			1126.6	(724.5)		
✓ TWO PIERS CHANNEL FRONT RANGE LIGHT 1892	G-3536 Pg. 198	"	72° 39'	14.043"				1231.2	(155.9)		
✓ PRATT-WHITNEY RED AND WHITE S. PYLON, 1935	G-3536 Pg. 197	"	41° 40'	33.677"	4			451.4	(1399.7)		
✓ SOUTH GLASTONBURY CONGREGATIONAL CHURCH TOWER, 1935	G-3536 Pg. 198	"	72° 38'	35.463"				249.4	(1137.8)		
✓ GLASTONBURY GILBERTS TOWER, 1935	G-3536 Pg. 199	"	41° 40'	06.329"	5			579.0	(1272.1)		
✓ GLASTONBURY PRATT & WHITNEY, BLACK & WHITE LOW PYLON, NORTH 1935	G-3536 Pg. 201	"	72° 36'	31.60 "				324.4	(1061.8)		
			41° 40'	24.46 "				1039.0	(812.1)		
			72° 36'	12.22 "				820.3	(567.6)		
			41° 40'	03.56 "	7			754.6	(1096.5)		
			72° 36'	06.362"				731.0	(656.9)		
			41° 40'	17.430"	5			195.3	(1655.8)		
			72° 36'	06.362"				1100.7	(287.4)		
			41° 40'	58.723"	11			109.8	(1741.3)		
			72° 38'	18.649"				282.7	(1105.3)		
			41° 40'	17.430"	5			537.7	(1313.4)		
			72° 36'	06.362"				147.2	(1240.8)		
			41° 40'	58.723"	11			1811.7	(39.4)		
			72° 38'	18.649"				431.1	(955.9)		

Page 4

1 FT. = 3048006 METER

COMPUTED BY J.C. LaJoye

DATE 7/11/49

CHECKED BY G. Richter

DATE 7/12/49

M. 2388 12

MAP T-90888

PROJECT NO. Ph-31(48)F

SCALE OF MAP 1:10,000

SCALE FACTOR.....None

[illegible]

COMPILATION REPORT
Map Manuscript T-9088
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-9088.

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-9088. The approximate limits of several shoal areas have been indicated.

38: CONTROL FOR FUTURE SURVEYS:

Forms 524 are being submitted with this map manuscript for 13 recoverable topographic stations which are listed under side heading 49: "NOTES TO THE HYDROGRAPHER".

40: HORIZONTAL AND VERTICAL ACCURACY:

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

46: COMPARISON WITH EXISTING MAPS:

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

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

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 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

PHOTOGRAMMETRIC OFFICE REVIEW

T-9088

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. Rev. 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-9087 and T-9088 which is included in the Descriptive Report for T-9087. The following geographic names shown on the map manuscript were obtained from the sources shown below.

Nautical Chart #267

Brainard Field
Glastonbury Bar
Goff Brook
Hartford Bar
Hockanum River
 Cys Hollow Bar
Keeney Cove
Naubuc Bar
Pewterpot Brook
Press Barn Bar
Rentschler Airport
Two Piers Bar
Wethersfield Cove
Wethersfield Shoal

Army Map Service Glastonbury Quad

Conn. State Highway #17
Crow Point
East Hartford Gardens
Forest Village
Glastonbury
Glastonbury Green Cemetery
Glastonbury Meadows
Holland Brook
Hubbard Brook
Naubuc
New London Turnpike State No 2
Old Church Cemetery
Porter Brook
Rams Pond
Roaring Brook
Salmon Brook
Smith Brook
South Glastonbury
St. James Cemetery
 Wells Wells Village
Williams School

Added Names:

Red Hill Acres
State Street
State Prison
State No. 160 (small section)
State No. 15: same as U.S. 5
and U.S. 6, in part

USGS Quad Hartford South

Brewer Street
Burr School
Charter Road
Conn. State Highway #9
Conn. State Highway #175
Elm Street
Griswoldville
Hartford
Hartford Bypass
High Street
Hockanum
Jordan Lane
Keeney Point
Main Street
Maple Street
Middletown Road = same as Main St.
Naubuc Ave. Ave
Nott Street
Old Hockanum Cemetery
Rocky Hill
Silas Dean Highway
South School
South Wethersfield
Stillman School
U.S. Highway #5
U.S. Highway #6
Walcott Hill Road
Wells Road
Wethersfield
Wethersfield Ave.
Wright School

Hartford North Quad

Charter Oak Bridge
Silver Lane School
Willow Brook

USGS Manchester Quad

Forbes Street
Silver Lane

Wilbur Cross Highway U.S. 6 E.
Wethersfield High School
Weldon Acres
Beaver Brook (n. of Goff Brook)

Names on manuscript not listed.

	Near:
<u>Prospect Street</u>	(Griswoldville)
<u>Meadow Road</u>	(Rocky Hill)
<u>Park River Outlet</u>	(Hartford)
<u>East Hartford</u>	
<u>Clay Banks Bar</u>	(Brainard Field)
<u>Colt Park</u>	(Hartford)
<u>Howard Ave</u>	} (Wethersfield)
<u>River Road</u>	
<u>South Street</u>	(W. of Brainard Field)
<u>Bidwell School</u>	(Hartford)
<u>Wright School</u>	"
<u>Kinsella School</u>	"
<u>St. Peters School</u>	"
<u>St. Cyril School</u>	"
<u>Hooker School</u>	"
<u>Commerce Street</u>	"
<u>Wawarrie Avenue</u>	"
<u>Aviation Street</u>	(N. of Brainard Field)
<u>Griswold Street</u>	(Naubuc)
<u>State No 94</u>	(Glastonbury)

Names underlined in
red are approved
7-26-51. L. Heck

49: NOTES TO THE HYDROGRAPHER:

The following recoverable topographic stations were located by air photographic plot on this map manuscript. (Fms 524)

AIRPORT BEACON
CLAY BANKS REAR "100"
CYS HOLLOW UPPER LIGHT #99
CYS HOLLOW LOWER LIGHT #97
FLASHING RED LIGHT (PRIVATE)
GLASTONBURY FIRST CONGREGATIONAL CHURCH SPIRE
GLASTONBURY UPPER LIGHT #92
GLASTONBURY LOWER LIGHT #90
HARTFORD RADIO RANGE
NAU BUC BAR LIGHT (95)
PRESS BARN BAR FRONT RANGE LIGHT #93
PRESS BARN BAR REAR RANGE (93)
SOUTH GLASTONBURY REAR 88

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

REVIEW REPORT T-9088
Shoreline Manuscript
27 July, 1951

62. Comparison with Registered Topographic Surveys

T-2045	1:10,000	1891-3 (with contours)
T-2046	"	1891-4 " "

Except for contours T-9088 supersedes the older surveys for charting purposes.

63. Comparison with Maps of Other Agencies

U.S.G.S.	Hartford North	1:31,680	ed.	1945
"	" South	"	"	1944
"	Manchester	"	"	"
U.S.E.	"	1:25,000		1950
U.S.G.S.	Glastonbury	1:31,680	ed.	1946
U.S.E.	"	1:25,000		1948

The shoreline and near-shore features on T-9088 supersede those on the quadrangles.

Some of the revisions and additions to the map manuscript interior areas were made to bring it into closer agreement with the other surveys because the photographs indicate the conditions still exist.

In the case of the sewage disposal area at Brainard Field, no field inspection noted a pool within the road layout between the runway area and the large dike to the south. An inspection of the photographs indicates that the data on the quadrangle can be accepted as correct. The pool and the words "Sewage Disposal" have been added to the map manuscript.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

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

<u>Lights and Ranges</u>		<u>Books</u>		<u>Ms.</u>
Two Piers Channel Front & Rear	60	yds 58°	70	yds 69°41'
South Glastonbury " "	97	" 166°	101	" 167°50'
Glastonbury Lower	1225	" 348°	1232	" 348 $\frac{1}{2}$ °
" Upper	1725	" 336°	1718	" 336°20'
*Press Born Bar Front-Rear	67	" 259 $\frac{1}{2}$ °	67	" 263 $\frac{1}{2}$ °
Naubuc Bar	700	" 95 $\frac{1}{2}$ °	680	" 95°
Cys Hollow Upper-Lower	500	" 304°	518	" 303 $\frac{1}{2}$ °
Clay Banks Front-Rear	55	" 174°	55	" 174°40'
Colt Pier	600	"	617	"

*These two lights were re-pricked during review, and their positions changed. Form 524 was corrected to read:

Front, 41°41'	1806.0 m	72°38'	318.9 m
Rear 41°41'	1799.6 m	72°38'	379.5 m

These light records appear on Chart Letter No. 35(1951) in the Division of Charts' file. *Copy bound with T-9087*

Dolphins not charted

One dolphin east of Keeney Cove
Four dolphins at Wethersfield Shoal

Charted Lights not on manuscript

Wethersfield 99A (built 1950)
East Hartford 100A (built 1950)

Jetties

There are five jetties north of Keeney Pt.
Only four are charted

Radio Range Towers: Five 135-ft. towers northwest of Glastonbury are not on the chart. A form 524 was made for the central tower. (Heading 49 Compilation Report)

66. Bridges

The horizontal clearance for the west (channel) span of Charter Oak Bridge was measured between MHW mark on the pier in the stream and the MHW line on shore. (Descriptive Report T-9087)

67. Accuracy

This map complies with project instructions and meets the National Standards of Map Accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved:

S. V. Gifford 1/12/53
Chief, Review Section
Div. of Photogrammetry

W. Edmonston
Chief, Nautical Chart Branch
Division of Charts *EN*

O. S. Reading
Chief, Div. of Photogrammetry
RS

Earl O. Heaton
Chief, Div. of Coastal Surveys
NR7

CONTROL TO BE SMOOTH-DRAFTED ON T-9088

Triangulation

1. South Glastonbury Episcopal Church Tower, 1935
2. " " Front Range Light, 1907
3. Trap Rock, 1935
4. Shipman (MDSHC), 1935
5. Two Piers Channel Front Range Light, 1892
6. Pratt & Whitney Red & White South Pylon, 1935
7. South Glastonbury Congregational Church Tower, 1935
8. Glastonbury, Gilberts Tower, 1935
9. Two Piers Channel Rear Range Light, 1892
- 10.* Pratt & Whitney, South Black & Yellow Pylon, 1935
11. Mosleys Silo, 1935
12. Pratt & Whitney North Red & White Pylon, 1935
13. Glastonbury, Consolidated Cigar Co. Cupola, 1935
14. Naubue Factory Smoke-Stack, 1891
15. Glastonbury, Williams Co. Stack, 1935
- 16.* Wethersfield, First Congregational Church Spire, 1875
17. Griswold, 1935
18. Wethersfield, Meggats Seed House Cupola, 1891
19. Wethersfield School Cupola, 1935
20. Crow Point, 1935
21. Glastonbury, Pratt & Whitney Black & Yellow North Pylon, 1935.
- 22.* Wethersfield, State Prison Stack, 1891
23. East Hartford, Red Barn Cupola, 1935
24. Glastonbury, St. Marks Church Tower, 1935
25. Dircks Barn Gable, 1935
26. Dirck, 1935
27. East Hartford, Hockanum Congregational Church Spire, 1891
28. " " , Pratt & Whitney Stack, 1935
29. Texaco Barrel Elevator, 1935
30. East Hartford, Bourque Tower, 1935
31. East Hartford, Hockanum Methodist Episcopal Church Tower, 1935
- 32.* Hartford, Pratt & Whitney Elevated Tank, 1935
33. " , Insane Retreat Vane, 1891
34. " , Wethersfield Ave. Congregational Church Spire, 1891
35. Clay Banks, 1935
36. East Hartford, Silver Lane Elevated Tank, 1935
37. Hartford, Church of the Good Shepherd, 1875
38. " , Capitol Head of Victory, 1891
39. Hartford Light Co. Stack, 1935
40. Helco, 1935
41. Hartford, Colts Factory Cupola, 1875
- 42.* Hartford Light Co. West Tower, 1935
43. Colt Pier Light, 1889
44. Hartford Jetty Light, 1913
45. " , South School Cupola, 1891
46. " , South Congregational Church Spire, 1875
47. " , Old State House Cupola, 1875
48. " , Center Congregational Church Spire, 1891
- 49.* Travelers Tower, 1935
- 50.* Hartford Light Co. East Tower, 1935

(Note to draftsman: the disparity in spelling of the town name in Nos. 27 & 31 above should be retained because Geodesy has those spellings.)

Topographic

1. Aero: (Airport Beacon) 1948 1948
2. Light: (Clay Banks Rear Range 100) 1948
3. Light: (Cys Hollow Upper Light No. 99) 1948
4. Light: (Cys Hollow Lower Light No. 97) 1948
5. Intake Chamber (Flashing Red Light, Private) 1948
6. Spire:* (Glastonbury First Cong. Church Spire) 1948
7. Light: (Glastonbury Upper Light No. 92) 1948
8. Light: (" Lower " " 90) 1948
9. Tower: (Hartford Radio Range) 1948
10. Light: (Naubuc Bar Light No. 95) 1948
11. Light: (Press Barn Bar Front Range Light No. 93) 1948
12. Light: (" " " Rear " " ") 1948
13. Light: (South Glastonbury Rear Range Light No. 88) 1948

* Landmarks

Pylon =	No. 10	under triangulation	(90')
Spire =	" 16	" "	(150')
Stack =	" 22	" "	(160')
Tank =	" 32	" "	(125')
Tower =	" 42	" "	(200')
Tower =	" 49	" "	(527')
Tower =	" 50	" "	(200')
Spire =	" 6	topographic	(30')

(90 ft high)