

9090

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-0000

LOCALITY

State CONNECTICUT

General locality CONNECTICUT RIVER

Locality FROM 1 MILE DOWNSTREAM FROM MIDDLE
HAUDAM TO CROMWELL

194 2

CHIEF OF PARTY

R.J. Sipe, Chief of Party.

C.W. Clark, Portland Photogrammetric Office

LIBRARY & ARCHIVES

DATE AUG - 14 - 1953

Part App'd
Cht 267 App'd 10-14-65 ERJ

Thru ~~RS-820~~ BP 68518 (part 4)

Part App'd
Cht 266 App'd 10-14-65 ERJ

Thru ~~RS-820~~ BP 68518 (part 4)

DATA RECORD

Page 2

T-9090

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): 29 Oct, 1952

Publication Scale (IV):

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

Geographic Datum (III): N.A. 1927

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

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): COOLEY, 1935

Lat.: 41° 33' 27.600" 851.5 m Long.: 72° 36' 14.094" 326.6 m Adjusted X
(999.5 m) (1063.8 m) Unadjusted

Plane Coordinates (IV):

State: Conn.

Zone:

Y= 263,950.97

X= 639,982.97

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.

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): A.C. Holmes

Date: 1/17/50

Control checked by (III): R.A. Davidson

Date: 1/18/50

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

Date: 2/17/50

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Date: _____

Date: _____

Manuscript delineated by (III): R.A. Davidson

Date: 9/8/50

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

Date: 9/28/50

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

Date: _____

Camera (kind or source) (III): USC&GS Single lens, Camera "J"

Number	Date	Time	Scale	Stage of Tide
48J-738	5/2/48	11:15	1:10,000 ratio	0.9 ft. above M.L.W.
48J-770 to 782 incl.	5/2/48	12:00	1:10,000 "	0.7 ft. above M.L.W.
48J-820 to 822 incl.	5/2/48	12:49	1:10,000 "	0.6 ft. above 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").

FI Photos:

46-D-2381-83
2387-92
2395-98

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 J. Stevens

Date: 8 June, 1951

Final Drafting by (IV):

M.C. Jones

Date: 12-4-51

Drafting verified for reproduction by (IV):

W.O. Halluin

Date: 6-20-52

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 28.0

Shoreline (More than 200 meters to opposite shore) (III): 19.3

Shoreline (Less than 200 meters to opposite shore) (III): 5.0

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: 56

Identified: 20

Number of BMs searched for (II):

Recovered:

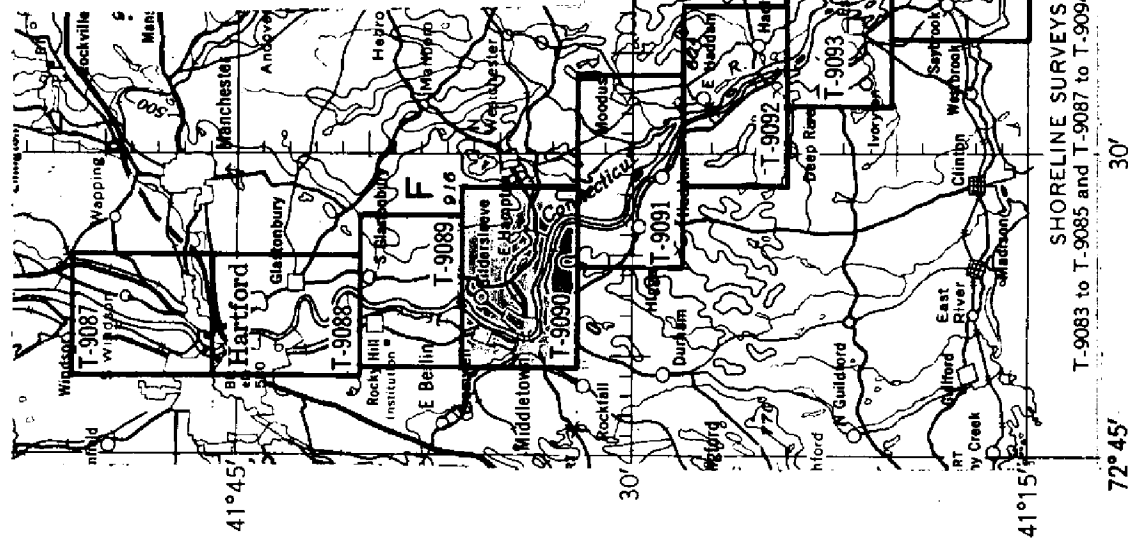
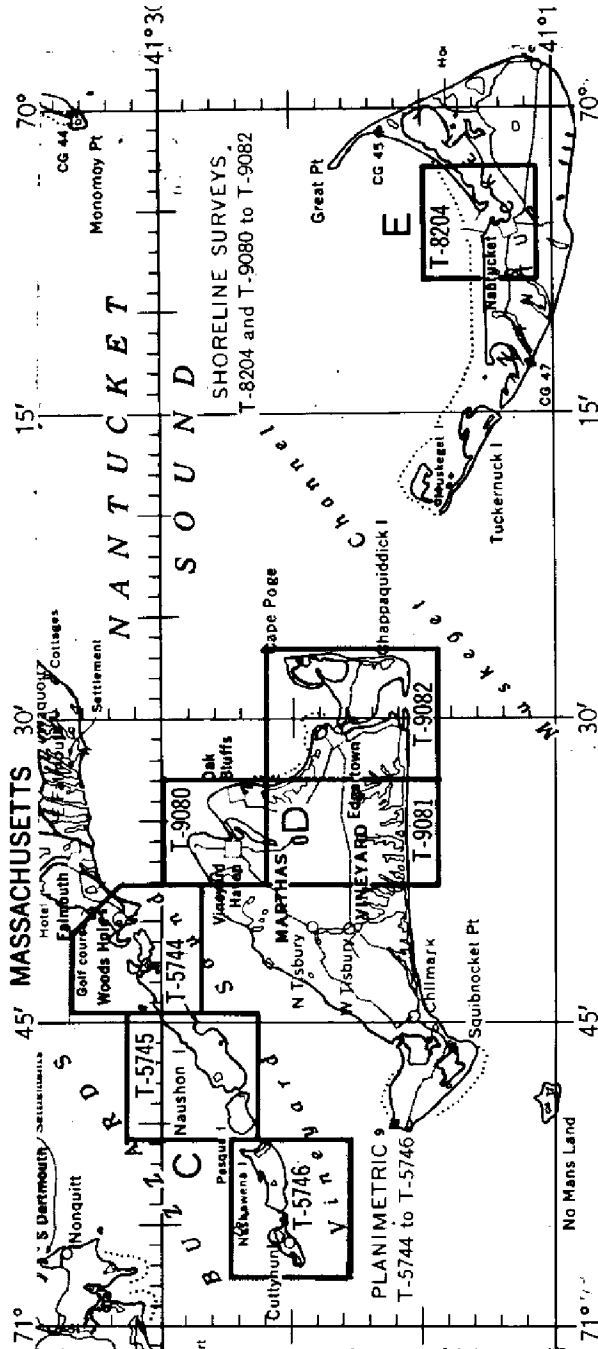
Identified:

Number of Recoverable Photo Stations established (III): 3 +1 added during review

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

Remarks:

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



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

72°45'

30'

15'

72°

45'

71°30'

4

FIELD INSPECTION REPORT
Map Manuscript No. T-9090
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-9089 and T-9090 and is included in the Descriptive Report for T-9089 (1948).

PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript No. T-9090
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-5090

PROJECT NO. Ph-31 (48)F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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)	
TOWN DOCK, 1935	G-3536 Pg. 155	N.A. 1927	41° 35' 38.670"				1193.0	(658.1)	
LAWLER, 1935	G-3536 Pg. 155	"	72° 38' 27.167"				629.2	(760.4)	
	G-3536 Pg. 155	"	41° 35' 02.612"				80.6	(1770.5)	
	G-3536 Pg. 155	"	72° 38' 48.159"				1115.6	(274.3)	
HOUSKA'S CUPOLA, 1935	G-3536 Pg. 188	"	41° 32' 30.898"				953.2	(897.8)	
	G-3536 Pg. 188	"	72° 33' 52.289"				1212.0	(178.7)	
WHIT, 1934	G-3536 Pg. 151	"	41° 32' 02.805"				86.5	(1764.5)	
Richters Barn	G-3536 Pg. 151	"	72° 33' 16.358"				379.2	(1011.7)	
Cupola, 1935	G-3536 Pg. 187	"	41° 32' 35.554"				1096.8	(754.2)	
	G-3536 Pg. 187	"	72° 32' 44.938"				1041.6	(349.1)	
COOLEY, 1935	G-3536 Pg. 153	"	41° 33' 27.600"				851.5	(999.5)	
MIDDLETOWN STATE HOSPITAL STACK	G-3536 Pg. 191	"	72° 36' 14.094"				326.6	(1063.8)	
	G-3536 Pg. 191	"	41° 33' 08.146"				251.3	(1599.7)	
MIDDLETOWN NORTH CONGREGATIONAL	G-3536 Pg. 153	"	72° 37' 46.761"				1083.7	(306.8)	
CHURCH SPIRE, 1875	G-3536 Pg. 206	"	41° 33' 36.129"				1114.6	(736.4)	
WESLEYAN STACK	G-3536 Pg. 206	"	72° 39' 05.482"				127.0	(1263.3)	
	G-3536 Pg. 206	"	41° 33' 23.219"				716.3	(1134.7)	
MIDDLETOWN, REMING-	G-3536 Pg. 193	"	72° 39' 25.468"				590.2	(800.2)	
TOW STACK, 1935	G-3536 Pg. 193	"	41° 34' 18.222"				562.2	(1288.8)	
MOUSE ISLAND	G-3536 Pg. 191	"	72° 39' 24.281"				562.6	(827.5)	
LIGHT, 1931	G-3536 Pg. 191	"	41° 33' 32.55 "				1004.1	(846.9)	Page 9
MIDDLETOWN SOUTH CONGREGATIONAL	G-3536 Pg. 154	"	72° 37' 16.91 "				391.9	(998.5)	
CHURCH SPIRE, 1875	G-3536 Pg. 154	"	41° 33' 22.787"				703.0	(1148.0)	
	G-3536 Pg. 154	"	72° 38' 51.826"				1201.0	(189.4)	

1 FT. = 3048006 METER

COMPUTED BY J.C. LaJoye

DATE 7/13/49

CHECKED BY G. Richter

DATE 7/15/49

M-2388-12

MAP T-9090

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
				FORWARD	(BACK)		FORWARD	(BACK)	
PAYNES BARN	G-3536	N.A.	41° 33' 58.73 "				1811.8	(39.2)	
CUPOLA, 1935	Pg. 191	1927	72° 35' 38.37 "				889.0	(501.2)	
	G-3536		41° 33' 28.995 "				894.5	(956.5)	
TAYLORS TOWER, 1934	P. 189	"	72° 33' 57.886 "				1341.4	(49.0)	
	G-3536		41° 33' 36.026 "				1111.4	(739.6)	
BROWNS GABLE, 1935	Pg. 189	"	72° 33' 02.477 "				57.4	(1332.9)	
PORTLAND METHODIST EPISCOPAL CHURCH	G-3536		41° 34' 52.521 "				1620.3	(230.7)	
SPIRE, 1875	Pg. 193	"	72° 38' 03.194 "				74.0	(1315.9)	
PORTLAND, CATHOLIC	G-3536		41° 34' 21.664 "				668.3	(1182.7)	
CHURCH SPIRE, 1891	Pg. 192	"	72° 38' 09.740 "				225.7	(1164.4)	
PORTLAND, CONGRE- GATIONAL CHURCH	G-3536		41° 35' 28.078 "				866.2	(984.8)	
SPIRE, 1875	Pg. 192	"	72° 37' 29.619 "				686.0	(703.7)	
	G-3536		41° 33' 32.028 "				988.1	(862.9)	
No. 148(USE), 1934	Pg. 189	"	72° 34' 38.913 "				901.7	(488.7)	
BODKIN ROCK	G-3536		41° 33' 39.67 "				1223.8	(627.2)	
LIGHT, 1891	Pg. 197	"	72° 36' 11.09 "				257.0	(1133.3)	
MIDDLETOWN STATE HOSPITAL COAL ELEVATOR, 1935	G-3536		41° 33' 35.031 "				1080.7	(770.3)	
	Pg. 192	"	72° 37' 48.304 "				1119.3	(271.0)	
ST. MARY'S CHURCH	G-3536		41° 33' 14.852 "				458.2	(1392.8)	
TOWER, 1934	Pg. 191	"	72° 39' 03.540 "				82.0	(1308.5)	
MIDDLETOWN, WES- LEYAN CHAPEL	G-3536		41° 33' 20.253 "				624.8	(1226.2)	
SPIRE, 1875	Pg. 154	"	72° 39' 23.117 "				535.7	(854.7)	Page 10
MIDDLETOWN									
CATHOLIC CHURCH	G-3536		41° 33' 58.619 "				1808.4	(42.6)	
SPIRE, 1875	Pg. 191	"	72° 39' 11.998 "				278.0	(1112.2)	

1 FT. = 3048006 METER

COMPUTED BY: J.C. LaJoye

DATE 7/13/49

CHECKED BY: G. Richter

DATE 7/15/49

M. 2388-12

MAP T-9090

PROJECT NO. Ph-31(48)F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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)	
MULLER'S GABLE 1935	G-3536 Pg. 188	N.A. 1927	41° 32' 53.526"				1651.3	(199.7)	
			72° 33' 55.078"				1276.5	(114.1)	
LAUREL, 1934	G-3536	"	41° 33' 00.362"				11.1	(1839.9)	
	Pg. 153	"	72° 34' 03.421"				79.3	(1311.3)	
HOSPITAL, 1935	G-3536	"	41° 33' 18.737"				578.0	(1273.0)	
	Pg. 154	"	72° 36' 48.945"				1134.3	(256.2)	
MILLER, 1935	G-3536	"	41° 33' 20.708"				638.8	(1212.2)	
	Pg. 152	"	72° 35' 27.890"				646.4	(744.1)	
CROMWELL, ROMAN CATHOLIC CHURCH, 1891	G-3536	"	41° 35' 58.527"				1805.6	(45.4)	
	Pg. 193	"	72° 39' 21.272"				492.6	(896.9)	
No. 147 (USE), 1934	G-3536	"	41° 33' 15.569"				480.3	(1370.7)	
	Pg. 190	"	72° 34' 17.959"				416.2	(974.3)	
MAROMAS, 1934	G-3536	"	41° 32' 20.081"				619.5	(1231.5)	
	Pg. 152	"	72° 33' 18.439"				427.4	(963.4)	
SEBERTS HOUSE GABLE, 1935	G-3536	"	41° 33' 55.437"				1710.2	(140.8)	
	Pg. 189	"	72° 33' 16.460"				381.4	(1008.8)	
STEWART, 1934	G-3536	"	41° 33' 57.334"				1768.8	(82.2)	
	Pg. 152	"	72° 33' 19.282"				446.8	(943.4)	
No. 154 (USE), 1934	G-3536	"	41° 32' 48.295"				1489.9	(361.1)	
	Pg. 152	"	72° 33' 02.462"				57.1	(1333.6)	
EMMONS 1862	G-3536	"	41° 32' 05.865"				180.9	(1670.1)	
	Pg. 151	"	72° 32' 07.737"				179.4	(1211.5)	
WELWYN, 1935	G-3536	"	41° 33' 33.292"				1027.1	(823.9)	
	Pg. 190	"	72° 35' 30.999"				718.3	(672.1)	

1 FT. = 3048006 METER

COMPUTED BY: J.C. LaJoye

DATE 7/14/49

CHECKED BY: G. Richter

DATE 7/15/49

M-2388-12

MAP T. 2090

PROJECT NO. Ph-31 (48) F

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	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)	
SHEPARD, 1925	G-3536	N.A.	41° 32' 54.851"				1692.2	(158.8)	
	Pg. 152	1927	72° 32' 56.799"				1316.4	(74.2)	
CAVANAUGH'S BARN	G-3536		41° 32' 04.505"				139.0	(1712.0)	
	Pg. 187	"	72° 32' 00.430"				10.0	(1380.9)	
STRONGS BARN	G-3536		41° 32' 54.810"				1690.9	(160.1)	
	Pg. 188	"	72° 32' 55.501"				1286.3	(104.3)	
PALMER, 1924	G-3536		41° 32' 03.457"				106.6	(1744.4)	
	Pg. 152	"	72° 33' 00.261"				6.0	(1384.9)	
BIELMAN'S GABLE	G-3536		41° 33' 04.422"				136.4	(1714.6)	
	Pg. 188	"	72° 32' 39.268"				910.1	(480.5)	
HURD'S GABLE, 1934	G-3536		41° 33' 08.532"				263.2	(1587.8)	
	Pg. 188	"	72° 32' 47.037"				1090.1	(300.4)	
MIDDLE HADDAN SCHO	G-3536		41° 33' 09.846"				303.7	(1547.3)	
	Pg. 188	"	72° 32' 54.053"				1252.7	(137.8)	
OL. CUPOLA, 1934	Wash. office		41° 33' 40.09 "				1236.8	(614.2)	
	No. 140 (USE) 1935	"	72° 36' 11.21 "				259.8	(1130.6)	
MIDDLE HADDAN CONGREGATIONAL	G-3536		41° 33' 21.521"				663.9	(1187.1)	
	Pg. 189	"	72° 33' 07.726"				179.0	(1211.4)	
GOODRICH, 1935	G-3536		41° 35' 01.352"				41.7	(1809.3)	
	Pg. 155	"	72° 37' 40.116"				929.3	(460.6)	
PORTLAND, SEIFER-	G-3536		41° 33' 35.20 "				1086.0	(765.1)	
	Pg. 197	"	72° 35' 09.23 "				213.9	(1176.5)	
CROSLING, 1935	G-3536		41° 34' 16.355"				504.5	(1346.5)	
	Pg. 154	"	72° 37' 05.170"				119.8	(1270.3)	

Page 12

1 FT. = 3048006 METER

COMPUTED BY: J.C. LaJoye

DATE 7/14/49

CHECKED BY: G. Richter

DATE 7/15/49

M. 2388-12

SCALE FACTOR None

[illegible]

COMPILATION REPORT
Map Manuscript No. T-9090
Project Ph-31(48)F

31: DELINEATION:

Graphic methods were used for the compilation of this map manuscript.

There were no unusual methods used for the compilation work.

The field inspection was in general satisfactory. There were some places along the shoreline where the high-water line was not clearly indicated by field inspection.

All planimetric details, except complete building coverage, have been detailed for the area of this map manuscript. The portions of the areas of Nautical Charts Nos. 266 and 267 respectively which fall within the detail limits of this map manuscript have been delineated in accordance with paragraph 5 of the office instructions for Project Ph-31(48)F.

All buildings falling within an area approximately 300 meters back from the shoreline of this map manuscript have been delineated. Outside of this area only landmark buildings have been delineated.

Side headings 32, 33, 34, 36 and 39 of the Compilation Report for T-9087 are applicable to Map Manuscript No. T-9090.

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-9090.

Several small areas which bare at low-water have been shown. No approximate limits of shoal areas could be satisfactorily determined from examination of the office photographs.

37: LANDMARKS AND AIDS: *Chart Let. No. 35(1951) Div. of Charts*

Forms 567 are being submitted for the entire area of Project Ph-31(48)F.

Pickering Elevated Tank has been recommended by the field party for charting as a landmark. Refer to letter to The Director, dated 6 October 1950, Subject: "Discrepancy of triangulation station position",

which is included in the Descriptive Report for T-9087 (1948) Project Ph-31(48)F. The scaled radially plotted position is being submitted for this station on Forms 524 and 567. *FI Photo 46-D-2391 indicated it as Pickering Tank (Elev.) 1935. The Δ station was a no-check position. It has been rejected and deleted from the List by Geodesy. (LTS. Je. 1951) The other tank mentioned in letter 6 Oct. 1950, has been cut in as a Topo Sta. (See # 49)*

38: CONTROL FOR FUTURE SURVEYS:

Forms 524 are being submitted with this map manuscript for 3 recoverable topographic stations which are listed under side heading 49: "NOTES TO THE HYDROGRAPHER". *(One added during review)*

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., 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.

47: COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with the following:

Nautical Chart No. 266, Scale 1:20,000, Published 9/20/48, hand corrected 10/29/48.

Nautical Chart No. 267, Scale 1:20,000, Published 3/22/48, hand corrected 10/14/48.

"ITEMS TO BE APPLIED TO THE NAUTICAL CHARTS IMMEDIATELY"

None.

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.

- ✓ PORTLAND 78 LIGHT
- ✓ HUBBARD FERTILIZER EL. TANK
- PICKERING ELEV. TANK

Forms 524 filed in Div. of
Photogrammetry general files.

TANK (Just south of US Hwy 6-A) added by reviewer (June, 1951)

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

Included in this report on the following page is a Note to Hydrographic Party from Riley J. Sipe, Chief of Field Party.

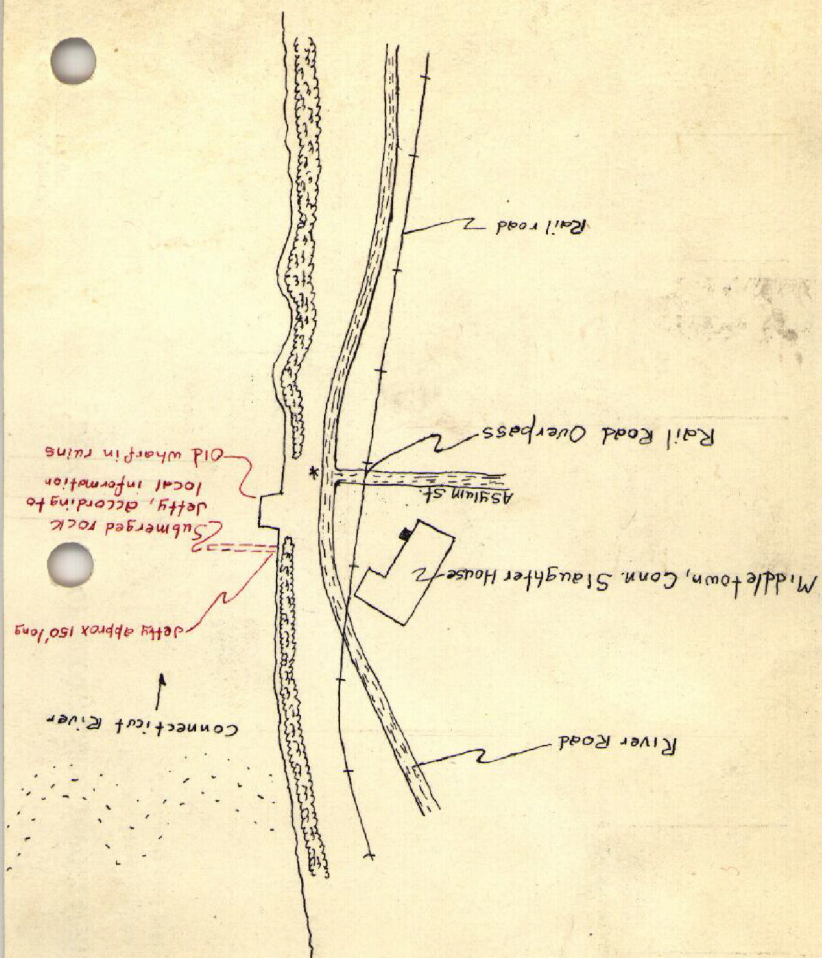
NOTE TO HYDROGRAPHIC PARTY ** CONNECTICUT RIVER

Riley J. Sipe, Chief of Party

The following information was obtained locally but was not verified by the recovery and shoreline party. However it is recommended that it be investigated by the hydrographic party since there is some indication of its existence at the shoreline.

Captain James Dennison, of Old Saybrook, reports that at approximate Latitude 41 degrees 33.6 minutes and Longitude 72 degrees 38.1 minutes there is a stone jetty, projecting from the west bank of the Connecticut River at approximately right angles to shore, extending about 150 feet into the stream and about 8 feet below the surface at Mean Low Water. He reports that it has been there for many years and has not been charted to this date.

See attached sketch for detail in this area.



Approx N.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9090

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:

Names underlined in
red are approved.

6-7-57. L. Heck.

Page 16 19.

(Highway numbers based on 1950
Connecticut Official Map).

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 the Descriptive Report for T-9089 (1948). The following geographic names shown on the map manuscript were obtained from sources shown below:

MIDDLE HADDAM USGS Quad

- ✓ Asylum Reservoir #1
- ✓ Asylum Reservoir #2
- ✓ Asylum Reservoir #3
- ✓ Calvary Cemetery
- ✓ Carr Brook
- ✓ Cobalt (shift to junction U.S. 6A & 151)
- ✓ Conn. State Highway #1517
- ✓ Conn. State Highway #1517A
- ✓ Collins Hill
- ✓ Conn. State Highway #16
- ✓ Conn. State Highway #151 (ends at Cobalt on U.S. 6A)
- ✓ Crow Hill
- ✓ Gildersleeve
- ✓ Great Hill
- ✓ Great Hill Pond
- ✓ Great Hill Pond Brook
- ✓ Hallock Pond
- ✓ Hedstrom Ponds
- ✓ Hubbard Brook
- ✓ Indian Hill
- ✓ Keighley Pond
- ✓ Maromas
- ✓ Middle Haddam
- ✓ Mine Brook
- ✓ Penfield Hill
- ✓ Portland Burying Ground
- ✓ Rattlesnake Brook
- ✓ Reservoir Brook
- ✓ Swedish Cemetery
- ✓ Straits Hill
- ✓ Union Hill Cemetery
- ✓ U.S. Highway #6A
- ✓ White Rock

MIDDLETOWN USGS Quad

- ✓ Cromwell
- ✓ Middletown
- ✓ New York, New Haven & Hartford RR (Valley Division)
- ✓ New York, New Haven & Hartford RR (Middletown Division)
- ✓ New York, New Haven & Hartford RR (Airline Division)
- ✓ Portland
- ✓ Dart I.
- ✓ Paper Rock
- ✓ Rockin Rock
- ✓ Middletown - Portland Highway Bridge
- ✓ South Farms (residential area, part of Middletown, pop. 1750)
- ✓ Connecticut State Hospital for Insane
- ✓ Pameacha Pond
- ✓ River Road

Nautical Charts 266 & 267

- ✓ Cobalt Shoal
- ✓ Coginchaug River
- ✓ Connecticut River
- ✓ Cromwell Bar
- ✓ Dart Brook
- ✓ Jobs Pond
- ✓ Mouse Island Bar
- ✓ Paper Rock Shoal
- ✓ Pecausett Pond
- ✓ Portland Bar
- ✓ Round Meadow
- ✓ Summer Brook Creek
- ✓ The Straits
- ✓ Wilcox Island Park

Field Inspection

(Little River) Mattabesset R.
(R. & N. decision)

Conn. State Hg. No. 9

- ✓ " " " 72
- ✓ " " " 155
- ✓ Pine Grove Cemetery
- ✓ St. Johns Cemetery
- ✓ Indian Hill Cemetery
- ✓ Long Lane State Farm for Wayward Girls
- ✓ Boggy Meadow
- ✓ Dead Mans Swamp (a small section)
- ✓ Asylum Street
- ✓ Silver Street
- ✓ Indian Hill Ave. (in Gildersleeve)
- ✓ Recommend omission of r. & n. division names

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62. Comparison with Registered Topographic Surveys:

T-2009	1:10,000	1890-93	(with contours)
T-2044	1:10,000	1891-93	" "
T-2142	1:10,000	1890	" "

Except for contours T-9090 supersedes the older surveys for shore and near-shore features for charting purposes.

63. Comparison with Maps of Other Agencies:

USGS	Middle Haddam	1:31,680	ed. 1945
USGS	Middletown	1:31,680	ed. 1945

Some of the interior changes and additions to the map manuscript during review were made to bring it and the quadrangles into better agreement. A study of the photographs showed that the conditions delineated on the quadrangles still exist.

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

266	1:20,000	ed. July 1947	rev. Nov. 1950
267	1:20,000	ed. Mar. 1948	rev. May 1951

The charted lights Middle Haddan 64 and Cromwell Point 79 were built during 1950. They were not added to the map manuscript in order to keep it representative of conditions extant at the time of field inspection.

66. Landmarks and Aids: (Chart Letter No. 35 (1951))

Landmarks:

STACK: Middletown Remington Stack, 1935 (triangulation)
 STACK: Middletown State Hospital Stack, 1935 "
 SPIRE: St. Marys Church Tower, 1934 "
 TANK: Pickering Tank (El.) (Topographic)
 TANK: Hubbard Fertilizer Tank (El.) "

Fixed Aids: (Lights)

Paper Rock 66	(Triangulation)
Bodkin Island 68	"
Mouse Island 73	"
Portland 78	"

67. Bridges: The apparent discrepancy in the figures for horizontal clearance of the Middletown-Portland bridge is due

to the fact that our field inspection measurement extends from central pier to shore. The bridge list clearance is a channel measurement at Mean Low Water (see 15, Descriptive Report T-9090)

68. Accuracy: The map complies with project instructions and with National Standards of map accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED BY

L. V. Griffith
Chief, Review Section
Div. of Photogrammetry
7-29-53

H. B. Monahan
Chief, Nautical Chart Branch
Division of Charts 2FU

O. S. Reading
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Chief, Div. of Coastal Surveys
2RT