

13306

13306

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric).....

Job No. PH-6815..... Map No. T-13306.....

Classification No. Edition No. 1.....  
FIELD EDITED MAP

## LOCALITY

State Connecticut.....

General Locality Connecticut River.....

Locality Middletown.....

1958 TO 1969

## REGISTRY IN ARCHIVES

DATE .....

## DESCRIPTIVE REPORT - DATA RECORD

T-13306

①

SUBJECT NO. (II):  PH-6815		
FIELD OFFICE (II): None		CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center, Norfolk, VA		OFFICER-IN-CHARGE Alfred C. Holmes, Director
INSTRUCTIONS DATED (II) (III):  Aerotriangulation and Compilation - Dec. 4, 1968 Office - Amendment I - Jan. 14, 1969		
METHOD OF COMPILATION (III):  Wild B-8 Plotter and Graphic		
MANUSCRIPT SCALE (III):  1:10,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):  1:20,000 Pantographed to 1:10,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):  JUL 29 1974
GEOGRAPHIC DATUM (III):  N.A. 1927		VERTICAL DATUM (III): <del>MEAN SEA LEVEL</del> <b>HIGH WATER</b> 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 <del>as mean lower low water</del>
REFERENCE STATION (III):  Bishel, 1935		
LAT.:  41°32'39.886" 1230.5m	LONG.:  72°37'37.514" 869.5m	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV):  y = 259,111.74 FT.      x = 633,647.68 FT.		STATE Connecticut
ZONE		
MAN 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.		

## DESCRIPTIVE REPORT - DATA RECORD

T-13306

(2)

FIELD INSPECTION BY (III):  None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air Photo Compilation - Oct. 1, 1968 Date of Photography		
REFER TO THE FIELD EDIT REPORT (PAGE 18, ITEM 52)		
PROJECTION AND GRIDS RULED BY (IV):  A. Bethea		DATE  Nov. 20, 1968
PROJECTION AND GRIDS CHECKED BY (IV):  L. Van Scoy		DATE  Nov. 26, 1968
CONTROL PLOTTED BY (III):  Aerotriangulation - J. Steinberg Triangulation - A.C. Rauck, Jr.		DATE  March 3, 1969 March 17, 1969
CONTROL CHECKED BY (III):  Aerotriangulation - J. Minton Triangulation - C. Bishop		DATE  March 3, 1969 March 17, 1969
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  I.I. Saperstein		DATE  Jan. 16, 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L.O. Neterer, Jr.	DATE 5/5/69
	Reviewed By: C.H. Bishop	5/5/69
	CONTOURS  Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III):  C.H. Bishop		DATE  5/22/69
SCRIBING BY (III):  Rockville Office		DATE  3/10/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  Compilation A.C. Rauck, Jr. Field Edit R.E. Smith		DATE  5/28/69 5/28/70
REMARKS:  Scribing and Stick Up F. Margiotta		7/20/72
Field Edit By: DATE 10/24/69 Richard E. Kesselring		

## DESCRIPTIVE REPORT - DATA RECORD

T-13306

3



ERA (KIND OR SOURCE) (III):

Type "E" Wild RC-8

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
68E(c)-7960-7961	Oct. 1, 1968	10:49	1:40,000	1.9' Above M.L.W.
68E(c)-7963-7964	"	10:59	"	1.8' " "
68E(c)-8011-8013	"	12:08	1:20,000	1.4' " "
68E(c)-8039-	"	12:38	"	1.2' " "

## Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: New London, Conn., State Pier		2.6'	3.1'
SUBORDINATE STATION: Portland, Conn.		2.0'	2.4'
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

Bernard Kurs

DATE:

October, 1972

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 6

RECOVERED:

5

IDENTIFIED:

5

NUMBER OF BM(S) SEARCHED FOR (II):

None

RECOVERED:

None

IDENTIFIED

None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:



④

T-13306

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	May, 1969	Superseded
Field Edit Applied Compilation Complete	April, 1970	SUPERSEDED * SEE BELOW
Final Review	October, 1972	

\*CHART MAINTENANCE PRINT (ADVANCE MANUSCRIPT COPY) FORWARDED  
TO MARINE CHART DIVISION ON JULY 17, 1970  
SCRIBING AND STICK-UP COMPLETED JULY 20, 1972  
CHART MAINTENANCE PRINT (FINAL REVIEWED COPY) FORWARDED  
TO ROCKVILLE OFFICE DEC. 15, 1972 - TO MARINE CHARTS JULY 1979



OFFICIAL MILEAGE FOR  
COST ACCOUNTS

Sheet No. \_\_\_\_\_

Area Sq.  
Miles

T-13302  
T-13303  
T-13304  
T-13305  
T-13306  
T-13307  
T-13308  
T-13309  
T-13310  
T-13311

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TOTAL

24

1600 000 FEET (N.Y. L.I.)

JOB PH-6815  
Connecticut River, Conn.

CHART TOPOGRAPHY  
SCALE 110,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-13306

Shoreline survey T-13306 is one of 10 similar surveys in project PH-6815. The primary purpose of the project is to provide up-to-date shoreline and photo-hydro support data for the hydrographic surveys in the Connecticut River area. See page 5 for the area covered by the project and the location of this survey within the project.

There was no field work prior to compilation with the exception of premarking of horizontal control. ~~for identification prior to the flying of photography.~~

Compilation was at 1:10,000 scale by ~~Wild B-8 Plotter~~ <sup>stereo-</sup> using <sup>and graphic methods</sup> photography of October, 1968. Copies of the incomplete manuscript along with specially prepared photographs and ozalids were furnished for the transfer of the shoreline to the boat sheet, photo hydro support use and field edit.

The compilation manuscript is a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds longitude. After field edit data was applied the survey was scribed and reproduced on cronaflex. Final review was at the Atlantic Marine Center in October 1972. One cronaflex positive and negative of the final reviewed survey are forwarded for record and registry.



7

FIELD INSPECTION REPORT

MAP T-13306

PROJECT PH-6815

There was no field inspection prior to compilation.



(8)

Photogrammetric Plot Report  
Job WH-6815  
Conn. River, Conn.

January 16, 1969

21. Area Covered

This report covers the Connecticut River, Connecticut, from latitudes  $41^{\circ}23'30''$  to  $41^{\circ}49'45''$  and consists of ten (10) 1:10,000 scale T-sheets, T-13302 thru T-13311.

22. Method

Two (2) 1:40,000 scale and one (1) 1:20,000 scale strips of color photographs were bridged by analytical aero-triangulation methods.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments. Closure to horizontal control on Connecticut state plane coordinates are shown for each strip on the IBM readouts.

23. Adequacy of Control

All horizontal control was premarked and appeared on the photographs very clear. Strip 3 was controlled by ties from strip 2 and held very well.

24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the RC-8 "E" color photography were good. Coverage was adequate to compile all sheets.

Cronapaque and matte ratio prints have been ordered for the 1:20,000 scale color photographs on black and white base.

Respectfully submitted,

/s/  
I. I. Saperstein

Approved and forwarded,

/s/  
Chief, Aerotriangulation Section

Connecticut River, Connecticut  
Job PH-6815

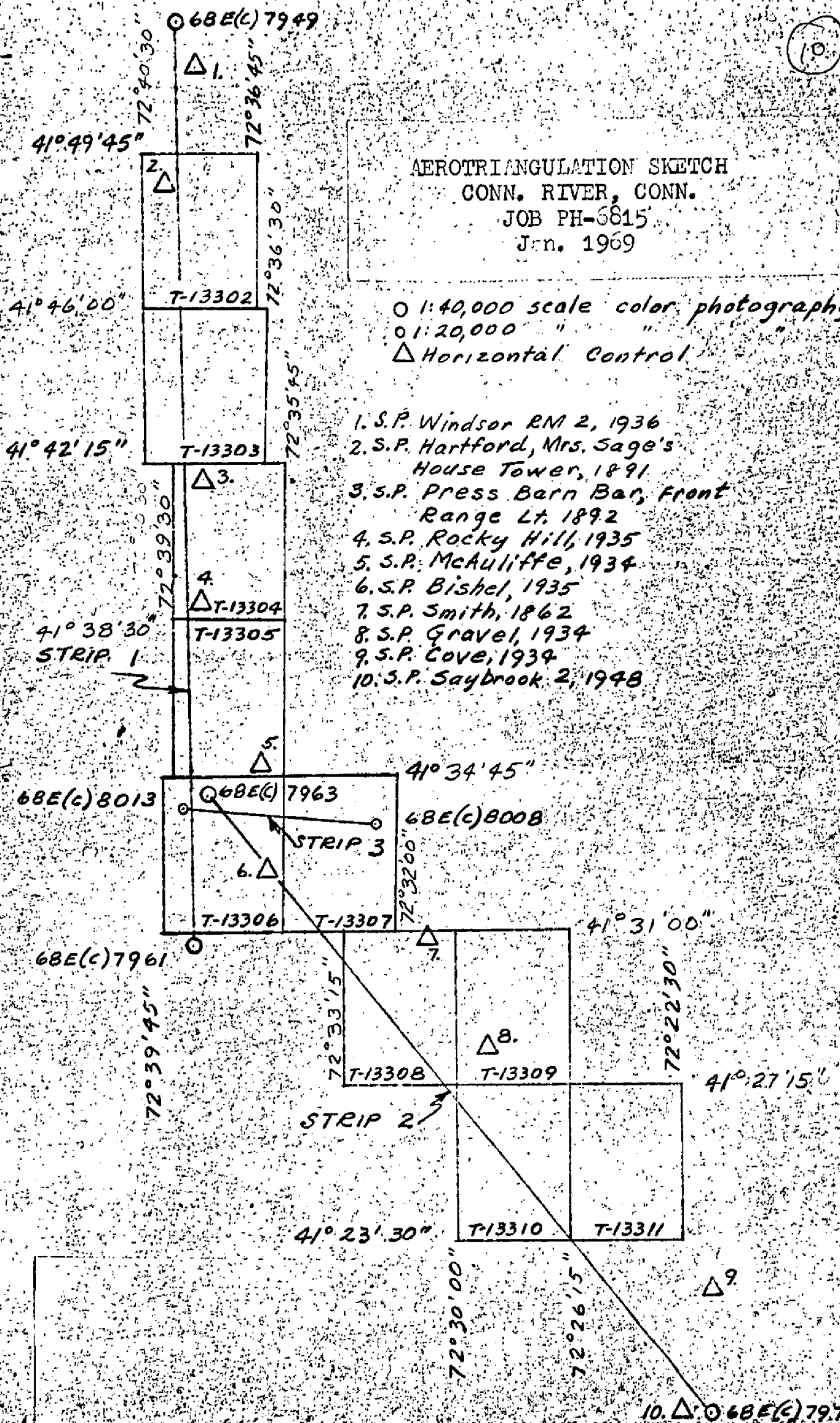
Notes to Compiler

It will be noted that many bridge points classified 500 e.g. 19503 are shown on the IBM readouts and pricked on the 1:20,000 scale contact photographs. These points were to be used to orient the 1:20,000 scale ratio prints for hydro support. This was done by Washington Compilation Office request. Description for each 500 point is included.

AEROTRIANGULATION SKETCH  
CONN. RIVER, CONN.  
JOB PH-6815  
Jan. 1969

○ 1:40,000 scale color photography  
○ 1:20,000 " "  
△ Horizontal Control

1. S.P. Windsor RM 2, 1936
2. S.P. Hartford, Mrs. Sage's House Tower, 1891
3. S.P. Press Barn Bar, Front Range Lt. 1892
4. S.P. Rocky Hill, 1935
5. S.P. McAuliffe, 1934
6. S.P. Bishel, 1935
7. S.P. Smith, 1862
8. S.P. Gravel, 1934
9. S.P. Cove, 1934
10. S.P. Saybrook 2, 1948



# DESCRIPTIVE REPORT CONTROL RECORD

SCALE FACTOR \_\_\_\_\_None\_\_\_\_\_

[illegible]

COMPUTED BY A.C. Rauck, Jr.  
R.R. White

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CHECKED BY CHB  
ACR

DATE 3/17/69  
2/19/70



COMPILATION REPORT  
MAP MANUSCRIPT T-13306  
PROJECT PH-6815

31. DELINEATION

*Stereo plotter*  
Compilation was by ~~Wild B-8~~. Some additions and corrections were made graphically when the sheet was inked.

*plotter*  
The ~~Wild B-8~~ models were 1:40,000 scale and were set to compile the manuscript at 1:10,000 scale. Hydro support photography was at 1:20,000 scale, ratioed to 1:10,000. These ratio photographs were used to check the ~~Wild B-8~~ compilation when the sheet was inked.  
*instrument*

32. CONTROL

Control was adequate. Refer to PHOTOGRAMMETRIC PLOT REPORT, Job PH-6815, Conn. River, CT, dated January 16, 1969, specifically, "Notes to Compiler".

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was compiled from office interpretation and stereoscopic examination of the 1:10,000 ratio photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high waterline was compiled on the Wild B-8 from office interpretation, and refined graphically with 1:10,000 ratio prints of 1:20,000 photography. Tree overhang and shadows made identification difficult in places, but compilation is believed to be within accuracy requirements.

The low water line and grass in water was delineated from office interpretation of the 1:10,000 scale ratio prints of 1:20,000 scale photography taken near low water. *not tide. at approximately 1 to 1 1/2 ft. above M.L.W.*

36. OFFSHORE DETAILS

None

(P3)

37. LANDMARKS AND AIDS

Form 567 for seven landmarks and four fixed aids to navigation were submitted under date:

June 11, 1970

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions have been made with T-13307 to the east and T-12305 to the north. There are no contemporary surveys to the west or south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41 through 45.

Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangles MIDDLE HADDAM, CT and MIDDLETOWN, CT, both scale 1:24,000 and dated 1961 and 1965 respectively.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 267, scale 1:20,000, 4th Edition, dated Jan. 1, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Submitted by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer

June 11, 1970

Approved for forwarding:

*Melvin J. Umbach*  
Melvin J. Umbach, CDR  
Chief, Coastal Mapping Division  
Atlantic Marine Center

Approved:

*Alfred C. Holmes*  
Alfred C. Holmes  
RADM, NOAA  
Director, AMC



15

OCT 4 1972

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-6815 (Conn.)

T-13306

Arrigoni Bridge	Portland
Bodkin <sup>Rock</sup> <del>Creek</del>	Reservoir River
Boggy Meadow	River Road
Coginchang <sup>u</sup> River	Silver Street
Connecticut River	Silvermine Road
Eastern Drive	South Farms
Grove Street	<del>summer</del> <sup>summer</sup> Creek
Main Street	
Mattabesset River	The Straits
Middletown	Washington Street
New York New Haven & Hartford (R.R.)	
Pecausset Meadows	Wilcox Island Park
Pecausset Pond	

Approved:

G. P. Meredith  
G. P. Meredith  
Chief, Scientific Data  
and Services Division

Prepared by:

A. J. Wraight  
A. Joseph Wraight  
Chief Geographer



T-13306

49. NOTES FOR THE HYDROGRAPHER

Shoals and bars named on Chart 267 were not compiled on this manuscript; they are not visible on the photographs.

PHOTOGRAMMETRIC OFFICE REVIEW  
T-13306

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE ACR
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 ACR	9. PLOTTING OF SEXTANT FIXES RES	10. PHOTOGRAMMETRIC PLOT REPORT ACR	11. DETAIL POINTS ACR
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ACR	13. LOW-WATER LINE ACR	14. ROCKS, SHOALS, ETC. ACR	15. BRIDGES ACR
16. AIDS TO NAVIGATION RES	17. LANDMARKS ACR	18. OTHER ALONGSHORE PHYSICAL FEATURES ACR	19. OTHER ALONGSHORE CULTURAL FEATURES ACR
PHYSICAL FEATURES			
20. WATER FEATURES		21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES
CULTURAL FEATURES			
27. ROADS ACR	28. BUILDINGS ACR	29. RAILROADS ACR	30. OTHER CULTURAL FEATURES ACR
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ACR		34. JUNCTIONS ACR	35. LEGIBILITY OF THE MANUSCRIPT ACR
36. DISCREPANCY OVERLAY ACR	37. DESCRIPTIVE REPORT ACR	38. FIELD INSPECTION PHOTOGRAPHS RES	39. FORMS RES
40. REVIEWER Albert C. Rauck, Jr.		DATE 5/28/69	
41. REMARKS (See attached sheet)		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr.	
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 R.E. Smith		4/9/70	
Reviewer: R.E. Smith		5/28/70	
43. REMARKS		SUPERVISOR Albert C. Rauck, Jr.	
Field Edit Applied From:- Field Edit Ozalid, Field Edit Report and Field Edit Photos. Nos. 68E(c)-8010 thru 8013, 68E(c)-8039			



FIELD EDIT REPORT  
CONNECTICUT RIVER, CONN.  
JOB PH-6815  
MAP T-13306

18

52. ADEQUACY OF COMPILATION

Compilation was adequate. A few minor shoreline changes were indicated, mostly changing smoothly drafted shoreline to more irregular shoreline. A small, bulkheaded, boat basin was overlooked at Lat. 41° 33.6', Long. 72° 38.8' and the entrance to Summer Creek was too narrow. It, too, is bulkheaded. The majority of the remaining corrections concern bulkheads and dolphins.

There are two piling, marking the submerged end of a sewer outlet, or water intake, that were not visible on the photographs. These were d.p.'ed during the 1969 hydrography - position number 128 on boat sheet 745-10-7-69. Another piling, bare 1.0 foot at MLW, was also d.p.'ed by the hydrographer - position number 311. Attention was called to these items on the field edit ozalid.

Two boat lifts and two marine railways were overlooked in the marina complexes near the center of the map. They were located on the photographs and appropriate notes were made on the field edit ozalid.

There is a public boat launching ramp just east of the County and Municipal Buildings in Middletown.

The "road under construction" near the northerly limit of the map is now complete. It is a four lane, divided, limited access highway, similar in design to Interstate Routes. It is designated Connecticut Highway 9. The section of the New York, New Haven and Hartford Railroad on this map is in use.

A rock dike, that bares about 1.0 foot at MLW, was overlooked at the north end of Wilcox Island. This dike actually falls on this sheet and on T-13305, but it was dealt with entirely on this map. It was indicated by a dashed line on color photograph 68E8013(c) and outlined, approximately, on the field edit ozalid.

54. RECOMMENDATIONS

There are no recommendations.

55. EXAMINATION OF PROOF COPY

Mr. Earl E. Maxfield, a senior river pilot of the Connecticut River, will be happy to examine a proof copy of the map. Mr. Maxfield's address is: 1 Roberts Street, Saybrook, Connecticut.

56. LANDMARKS AND NON-FLOATING AIDS FOR NAVIGATION

There are six nautical landmarks, recommended for charting, on this map. Four of them were office identified and compiled. The remaining two are triangulation. All landmarks were indexed on form 152, noted on the field edit ozalid and submitted on form 567. One additional landmark building was recommended.

Four fixed aids to navigation are contained on this sheet. Two of them have triangulation positions and the other two were office identified and compiled.

Special attention was called to Bodkin Rock Light 68 (BODKIN ROCK LIGHT 1891). The field editor was unable to discern any discrepancy between the compiled position of the light and its physical location. During photo-hydro support in this area, difficulty was encountered, by the support unit, in getting the photo cuts to hold and a traverse was run between Bodkin Rock Light, 1891, and Paper Rock Light 1891 with excellent results. From this, it does not appear that there is anything wrong with the triangulation position of Bodkin Rock Light 68.

↑ All the fixed aids were entered on form 567 and are inclosed with this report.

\* Refer to notes on page 19.



## 57. GEOGRAPHIC NAMES

A specific request regarding the proper spelling of Summer Creek was made. The spelling on the map manuscript is incorrect. The correct spelling is Summer, not Summer, Creek. Local residents verify this.

No evidence could be found of a U.S. Highway 6A. The road mapped as U.S. 6A is Connecticut 66 and Connecticut 17. Recommended that U.S. 6A be deleted as superfluous.

No other discrepancies were noted in the names on this map.

## 58. ROCKS AND SHOALS

There are two important rocks on this map at Lat.  $41^{\circ} 33.7'$ , Long.  $72^{\circ} 37.1'$ . They were not visible on the photographs, but were located by the hydrographer during the 1969 hydrography - position numbers 173 and 174 on boat sheet 745-10-7-69. The westerly rock is awash at MLW and the other bares 1.0 foot at MLW. There is a small shoal in this area, also. It, too, was developed during the 1969 hydrography. Attention was called to these items on the field edit ozalid.

There are no shoals, other than the one mentioned above, on this sheet. There are no "shallow" areas worthy of note, either.

## 59. PHOTOGRAPHY

Photography consisted of black and white copies of color photography and color photographs. The latter were used for the field edit. Photography was good except for the heavily shadowed areas along the southerly bank of the river.

## 60. DISPOSITION OF DATA

The field edit ozalid, field prints containing field edit information and the processed cronapague office prints, along with all pertinent data were forwarded to the Atlantic Marine Center. The film ozalids, copies of form 567's and copies of form 526's were transmitted to the hydrographic field party. The original form 526's were transmitted to Geodesy.

*Richard E. Kesselring*  
Richard E. Kesselring  
Surveying Technician

October 24, 1969

\* FIELD EDIT VERIFICATION OF THE OFFICE IDENTIFICATION OF BODKIN ROCK LIGHT 68 WAS REQUESTED BY THE COMPILER AS THE RESULT OF "PHOTO CUTS (WHICH) DO NOT HOLD WELL". THE OFFICE IDENTIFICATION WAS FOUND TO BE CORRECT.

THE POOR PHOTO "CUTS" RESULTED FROM THE WEAK INTERSECTION OF THE RADIALS - THE LIGHT IS LOCATED NEAR THE FLIGHT LINE. THE AREA IS ADEQUATELY COVERED BY THE BRIDGE AND THE STATION WAS HELD WITHIN THE ACCURACY REQUIREMENTS (VERIFIED BY THE NORFOLK OFFICE FINAL REVIEW ACTIVITY UPON REQUEST BY THE QUALITY CONTROL ACTIVITY, 1/15/73).

58B



## NON-FLOATING AIDS TO NAVIGATION FOR CHARTS

TO BE CHARTED  
TO BE REVISED  
TO BE DELETED

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

The positions given have been checked after listing by

R. E. Smith.

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Allen L. Powell, Director, AMC	Chief of Party.
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[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-13 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

### \* TABULATE SECONDS AND METERS

USCOMM-DC 36485-P06

TO BE CHARTED  
TO BE REVISED  
TO BE DELETED

STRIKE OUT TWO

## NONFLOATING AIDS FOR LANDMARKS FOR CHARTS

Atlantic Marine Center March 20 1970

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

The positions given have been checked after listing by

R. E. Smith

Allen L. Powell, Director, AMC Chief of Party

STATE	CONNECTICUT			SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
	CHARTING NAME	DESCRIPTION	LATITUDE *		LONGITUDE *		DATUM										
					° ' "	D.M. METERS		° ' "	D.P. METERS								
		MIDDLETON - PORTLAND															
		4 legged silver, steel water tank ht.= 100(170)	41 34	10.34 319	72 38	25.85 599	NA 1927	Photo. T13306	10/22/69x								267
	TANK	See attached page															
		Round red brick stack ht.=188(288)	41 33	14.33 442	72 37	40.65 942	NA 1927	Photo. T13306	10/22/69x								267
		A spire with a red brick base & a black top with cross on top(South Congregational Church Spire 1875) ht.=181(271)	41 33	22.787 703.0	72 38	51.826 1201.0	NA 1927	Triang. T13306	10/22/69x								267
		A light green spire with a cross on top, spire has a brown block base (Middletown Catholic Church Spire 1875)ht=156(246)	41 33	58.619 1808.5	72 39	11.998 278.0	NA 1927	Triang. T13306	10/22/69x								267
		4 legged, steel, aluminum, water tank ht=124(144)	41 34	04.47 138	72 38	44.71 1036	NA 1927	Photo. T13306	10/22/69x								267

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-13 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

\* TABULATE SECONDS AND METERS

\*NOTE: This tank was submitted by the Field Edit party as Triangulation station CHATHAM'S ELEVATED TANK 1935. The tank identified on the photograph, and located by photo methods, falls approximately 67 meters south of the position of the Triangulation station. There is no tank visible on the photographs at the Triangulation station position.

R. E. P.

TO BE CHARTED  
~~TO BE REVISED~~  
~~TO BE DELETED~~

**STRIKE OUT TWO**

# MONITORING LANDMARKS FOR CHARTS

Atlantic Marine Center

March 20 1970

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

The positions given have been checked after listing by

R. E. Smith

Chas. F. Powell

Allen L. Powell, Director, AMC

Chief of Party

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-35, 2-39, 6-36, 7-13 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

# TABULATE SECONDS AND METERS

USCOMM-DC 30485-P06

~~TO BE CHARTERED~~  
~~TO BE REVISED~~  
~~TO BE DELETED~~

STRIKE OUT TWO

## IDENTIFYING VIDEO FOR LANDMARKS FOR CHARTS

Atlantic Marine Center

March 20, 1970

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

The positions given have been checked after listing by

R: E. Smith

Allen L. Powell, Director, AMC *Chief of Party*

Allen L. Farnell

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-13 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

### \* TABULATE SECONDS AND METERS

USCOMM-DC 30483-P00

~~TO BE CHARTERED~~  
~~TO BE REVIEWED~~  
~~TO BE DELETED~~

STRIKE OUT TWO

# NONTECHNICAL AIDS OR LANDMARKS FOR CHARTS

Atlantic Marine Center

March 20 1970

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

The positions given have been checked after listing by

R. E. Smith

Allen L. Powell, Director, AMC  
*Chief of Party*

**Chief of Party**

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-13 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

\* TABULATE SECONDS AND METERS

USCOMM-DC 38485-P86

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REVIEW REPORT T-13306

SHORELINE

OCTOBER, 1972

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with T-9089 and 9090, July, 1952, 1:10,000 scale. Discrepancies are noted on the comparison print in blue.

The shoreline of these surveys is superseded by T-13306 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Middletown, CT, 1965, 1:24,000 scale and Middle Haddam, CT, 1961, 1:24,000 scale. Discrepancies are noted on the comparison print in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheet H-9077, 10/7/69, 1:10,000 scale. The source of the shoreline appears to be the incomplete manuscript of T-13306. *No significant differences were noted.*

~~All differences between the boat sheet and survey T-13306 are noted on the comparison sheet in purple.~~

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 267 Conn. River, Bodkin Rock to Hartford, 6th Edition dated March 25, 1972, 1:20,000 scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with project instructions and ~~appears to meet~~ the National Standards of Map Accuracy.

Submitted by:

*Bernard Kurs*

Bernard Kurs  
Cartographer

Approved for forwarding:

*Melvin J. Umbach*

Melvin J. Umbach, CDR  
Chief, Coastal Mapping Div., AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes  
RADM, NOAA  
Director, AMC

Approved:

*Charles L. Henn*

Chief, Photogrammetric Branch <sup>PLB</sup>

*Wesley V. Hull*

Chief, Coastal Mapping Division



72°39'45" x=625,000 FT. 39'30"

41°34'45"

39'

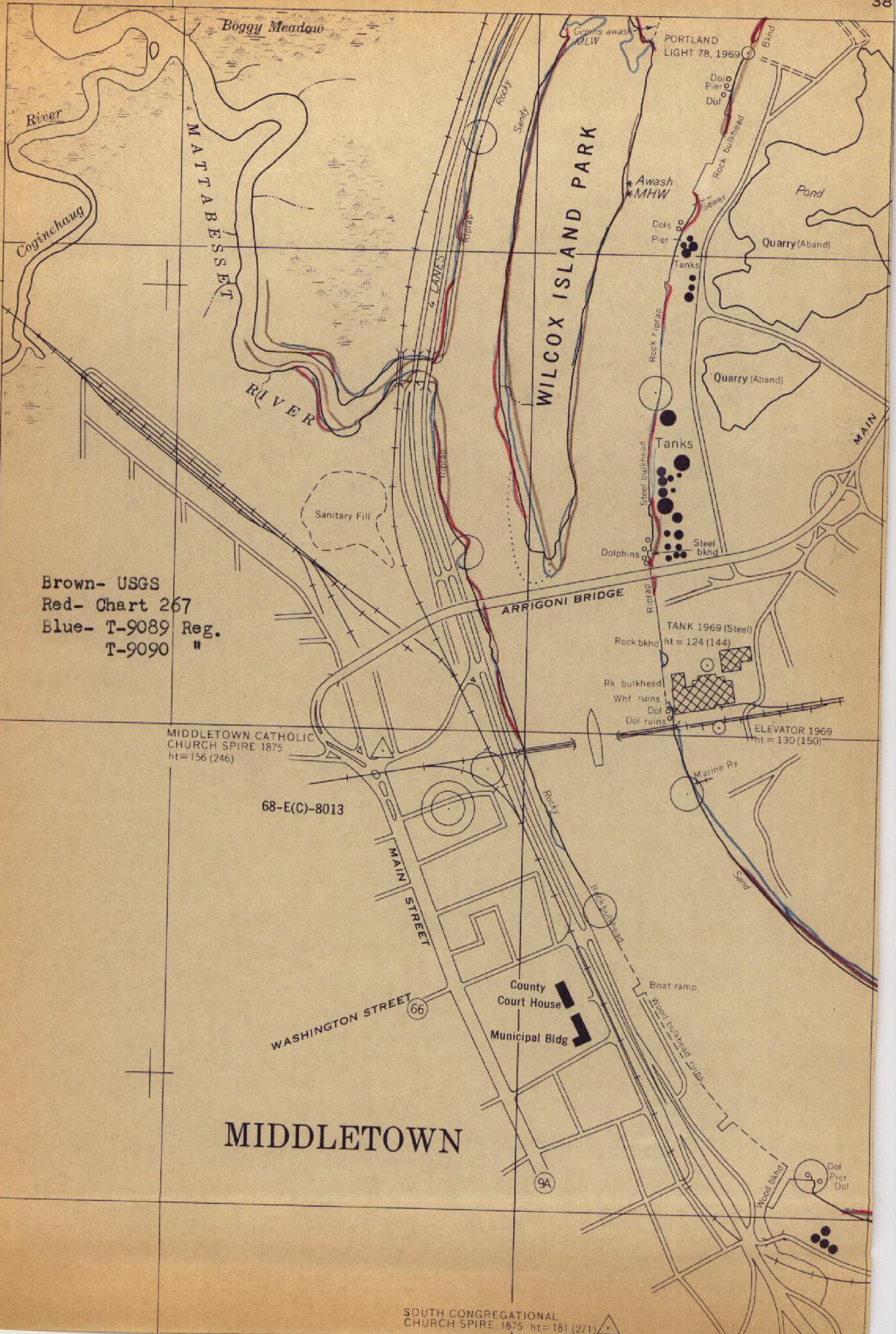
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34'30"  
y=270,000 FT.

34'

y=265,000 FT.

33'30"





**Brown- USGS**  
**Red- Chart 267**  
**Blue- T-9089 Reg.**  
**T-9090 E**  
**Purple- Boat Sheet H-9077**

Ma  
Pecausett Meadows

V E R R I L R I V E R

Dead tree

STRAITS HILL LIGHT 68A, 1969

68-E(C)-8011

Bodkin Rock

BODKIN ROCK LIGHT 68  
(BODKIN ROCK LIGHT 1891)

RIVER ROAD

THE STRAITS

Oval Gap

NOTE:  
"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

y = 265.000 F

33' 30"

33'

*"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."*



66 and 17

37°38'

37°30'

Brown- USGS  
Red- Chart 267  
Blue- T-9089 Reg.  
T-9090 "

TANK 1969 (Steel) ht = 100 (170)

68-E(C)-8039

41°34'

