

13303

13303

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-6915..... Map No. T-13303 ✓

Classification No. Edition No. 1.....
Field Edited Map

LOCALITY

State Connecticut.....

General Locality Connecticut River.....

Locality Wethersfield.....

1968 TO 1969

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13303

①

PROJECT 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):

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):

Hartford Jetty Light, 1913

LAT.:

41°45'03.26"N 100.6m

LONG.:

72°39'04.36"W 100.7m

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 334,345 FT.

X = 626,958 FT.

Connecticut

NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
(IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

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T-13303

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 (HEADING 52, PAGE 18)		
PROJECTION AND GRIDS RULED BY (IV): A. Bethea		DATE Nov. 19, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L. Van Scoy		DATE Nov. 26, 1968
CONTROL PLOTTED BY (III): Aerotriangulation - J. Minton Triangulation - A.C. Rauck, Jr.		DATE March 4, 1969 March 17, 1969
CONTROL CHECKED BY (III): Aerotriangulation - J. Steinberg Triangulation - C. Bishop		DATE March 4, 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 May 23, 1969
	Reviewed By: C.H. Bishop CONTOURS Inapplicable	May 23, 1969 DATE
MANUSCRIPT DELINEATED BY (III): L.O. Neterer, Jr.		DATE July 3, 1969
SCRIBING BY (III): J. Hinton		DATE Aug. 17, 1970
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation C.H. Bishop Field Edit R.E. Smith Scribing and Stick Up E. Margiotta		DATE 7/10/69 3/26/70 8/18/72
REMARKS: Field Edit By: Richard E. Kesselring		DATE Nov. 7, 1969

DESCRIPTIVE REPORT - DATA RECORD

T-13303

(3)

ERA (KIND OR SOURCE) (III):

Wild RC-8 "E"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
68E(c)-1794-7955	Oct. 1, 1968	10:43	1:40,000	2.3' Above M.L.W.
68E(c)-8027-8030	"	12:34	1:20,000	2.0' " "
68E(c)-8050-8053	"	12:50	"	1.9' " "
68E(c)-8056	"	13:00	"	1.8' " "

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: New London, Conn., State Pier		2.6'	3.1'
SUBORDINATE STATION: Hartford, Conn.		1.7'	2.0'
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs

DATE:
October, 1972

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 12

RECOVERED:
10IDENTIFIED:
9

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

None

RECOVERED:
NoneIDENTIFIED
None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

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

REMARKS:

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T-13303

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	July, 1969	Superseded
Field Edit Applied Compilation Complete	March, 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 STICKUP COMPLETED ON AUG. 18, 1972.

CHART MAINTENANCE PRINT (FINAL REVIEWED COPY)
FORWARDED TO ROCKVILLE OFFICE DEC. 15, 1972

CHART MAINTENANCE PRINT (FINAL REVIEWED
COPY) FORWARDED TO CHART DIVISION, JULY 1974.

SPRINGFIELD 9 MI.
2 400 000 FEET (N.Y. L.I.) 30'

5

OFFICIAL MILEAGE FOR
COST ACCOUNTS

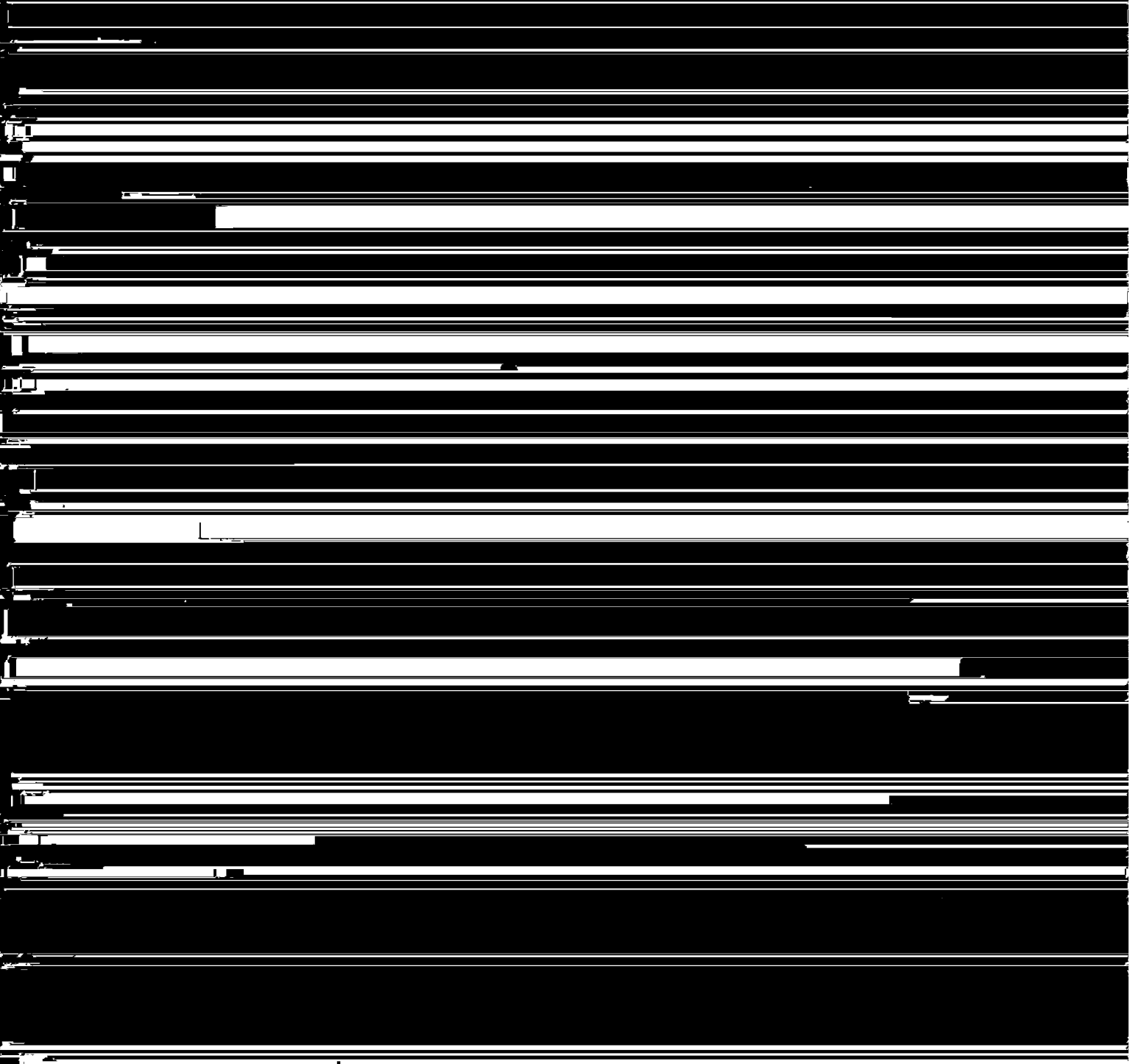
Sheet No.

Area Sq.
Miles

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

- 2
- 3
- 4
- 3
- 2
- 3
- 2
- 2
- 1

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



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SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-13303

Shoreline survey T-13303 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~~ ^{stereo- and graphic methods} Plotter using photography of October, 1968. Copies of the incomplete manuscript along with specially prepared photographs and ~~ozalids~~ ^{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. Oneccronaflex positive and negative of the final reviewed survey are forwarded for record and registry.

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FIELD INSPECTION REPORT

T-13303

Project PH-6815

There was no field inspection prior to compilation of this manuscript.

(8)

Photogrammetric Plot Report
Job H-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

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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.

41°49'45"

72°40'30"

68E(C) 7949

Δ 1.

72°36'45"

2
Δ

5'30"

(10)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13303 PROJECT NO. PH-6815 SCALE OF MAP 1:10,000 SCALE FACTOR NONE

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
HARTFORD JETTY LIGHT, 1913	G.P. Vol. 1, page 203	N.A. 1927	41° 45' 03.26"	100.6 1750.5
HARTFORD LIGHT CO. WEST TOWER, 1935	G.P. Vol. 1, 1 Page 203	N.A. 1927	72° 39' 04.36"	100.7 1285.6
HARTFORD, PRATT & WHITNEY ELEVATED TANK, 1935	G.P. Vol. 1, 1 Page 202	N.A. 1927	41° 45' 08.251"	254.6 1596.5
WETHERSFIELD, FIRST CONG. CHURCH SPIRE, 1875	G.P. Vol. 1 Page 200	N.A. 1927	72° 39' 30.313"	700.4 685.8
TRAVELER'S TOWER, 1935	G.P. Vol. 1, 1 Page 109	N.A. 1927	41° 44' 56.986"	1758.1 93.0
HARTFORD LIGHT CO. STACK, 1935	G.P. Vol. 1, 1 Page 203	N.A. 1927	72° 38' 16.018"	370.1 1016.2
HARTFORD LIGHT CO., EAST TOWER, 1935	G.P. Vol. 1, 1 Page 203	N.A. 1927	41° 42' 46.167"	1424.3 426.8
HARTFORD, COLT'S FACTORY, CUPOLA, 1875	G.P. Vol. 1, 1 Page 294	N.A. 1927	72° 39' 09.597"	221.9 1165.2
EAST HARTFORD, PRATT & WHITNEY STACK, 1935	G.P. Vol. 1, 1 Page 203	N.A. 1927	41° 45' 51.688"	1594.7 256.4
GLASTONBURY, FIRST CONG. CHURCH SPIRE, 1875	G.P. Vol. 1, 1 Page 200	N.A. 1927	72° 40' 23.502"	542.9 843.0
			41° 45' 00.27"	8.3 1842.8
			72° 39' 11.00"	254.2 1132.1
			41° 45' 18.766"	579.0 1272.1
			72° 39' 14.043"	324.4 1061.8
			41° 45' 23.814"	734.7 1116.4
			72° 39' 48.957"	1131.1 256.8
			41° 44' 54.876"	1693.0 158.1
			72° 38' 15.336"	354.4 1031.9
			41° 42' 31.389"	968.4 882.7
			72° 36' 31.944"	738.5 648.6

COMPUTED BY A.C. Rauck Jr.
R.R. White
DATE Mar. 17, 1969
Feb. 19, 1970
CHECKED BY C.H.B.
A.C.R. Jr.
DATE 3/17/69
2/19/70

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COMPILATION REPORT

T-13303

PH-6815

31. DELINEATION

The Wild B-8 was used, utilizing the 1:40,000 scale bridging

37. LANDMARKS AND AIDS

Form 567 for landmarks and aids was submitted under date of March 4, 1970.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction with T-13302 to the north and T-13304 to the south are in agreement. There are no contemporary surveys to the east or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

The quality and completeness of the field edit of features on this map manuscript was excellent.

All questionable items indicated on the field edit ozalid were answered clearly and concisely and properly cross referenced to the color ratio photographs. A well written and complete field edit report accompanied the field edit to supply additional information.

The compiler had little or no difficulty in utilizing or applying the field edit corrections.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangles Glastonbury, CT; Hartford South, CT; Hartford North, CT and all above maps are 1:24,000 dated 1964.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U.S.C.&GS 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:

Lowell O. Neterer Jr.

Lowell O. Neterer, Jr.
Cartographic Technician

~~June 5, 1969~~

May 26, 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-13303

Asylum Street	Keeney Point
Brainard Airport	Maxim Road
^h Carter Oak Avenue	Meadow Road
Charter Oak Fixed Bridge	Naubuc Avenue
Connecticut River	New York & New ^{Haven} Hampshire & Hartford (RR)
Crow Point	Reserve Road
East Hartford	Salmon Brook
Folly Brook	Second Lane
Founders Fixed Bridge	Wethersfield
Glastonbury	Wethersfield Cove
Hartford	William Putnam Memorial Bridge
Hockanum	Willow Brook
Hockanum River	

Approved:

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

Prepared by:

A. J. Wraight
A. Joseph Wraight
Chief Geographer

PHOTOGRAMMETRIC OFFICE REVIEW

T- 13303

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES CHB
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS CHB	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS CHB
40. REVIEWER Charles H. Bishop		DATE 7/11/69	
		SUPERVISOR REVIEW SECTION OR UNIT A.C. Rauck, Jr.	
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 A.C. Rauck, Jr.		DATE Mar. 21/70	
Reviewer: R.E. Smith		5/26/70	
43. REMARKS		SUPERVISOR A.C. Rauck, Jr.	

Field Edit Applied From:- Field Edit Ozalid and Color Ratios as Follows:
68E(c)-8027 thru 8030, and 68E(c)-8050

(17)

FIELD EDIT REPORT
CONNECTICUT RIVER, CONN.
JOB PH-6815
MAP T-13303

52. ADEQUACY OF COMPILATION

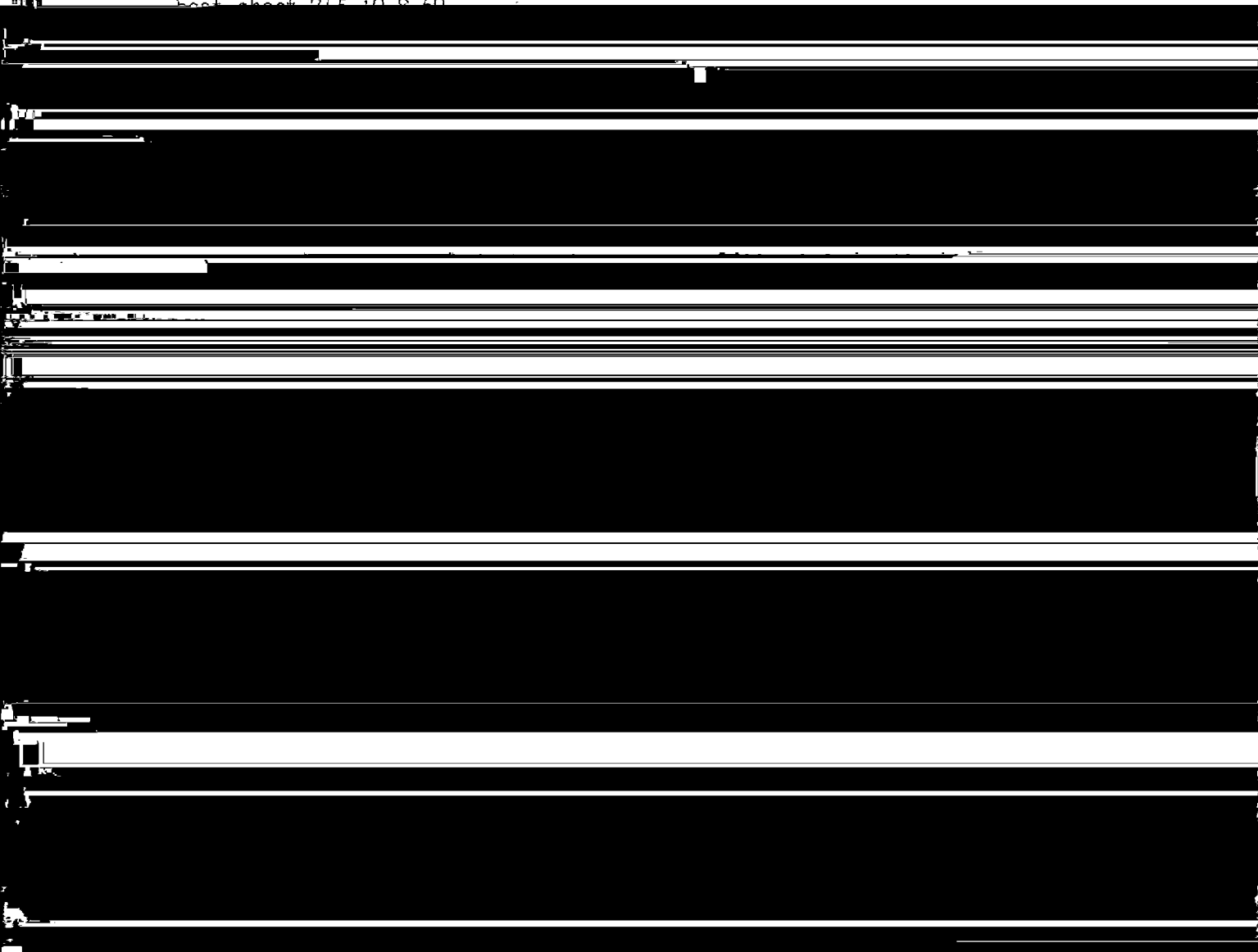
Compilation was adequate. There were numerous minor shoreline changes, most of them involving irregular shoreline being drafted too smoothly. All changes were noted on the field edit ozalid and referenced to the appropriate color photograph.

Four submerged pipeline crossings were not mapped. They were located on the photographs and attention drawn to them with appropriate notes on the ozalid.

Two "obstructions" were mapped in the vicinity of Lat. $41^{\circ} 43.7'$, Long. $72^{\circ} 38.8'$. The southerly of these "obstructions" is a bulk oil unloading station constructed of very large dolphins, the northerly two sections have catwalks on them. This entire structure should probably be classed as a "wharf". Although it does not connect with the shoreline, it does "parallel" it.

The northerly of the two "obstructions" is a wooden groin, in sad repair, that bares about 6.0 feet at MLW.

There are three wood groins awash in the vicinity of Lat. $41^{\circ} 44.2'$, Long. $72^{\circ} 38.6'$, that were not visible on the photographs. They were d.p.'ed by the hydrographer during the 1969 hydrography - position numbers 1084 thru 1086 on boat sheet 715 30 8 60.



54. RECOMMENDATIONS

It is recommended, that, on future projects of a nature similiar to this one and in areas of heavy deciduous vegetation, the photography for the MHWL be flown in late winter or early spring before the foliage is on. This will assure a more accurate and much easier delineation of the MHWL.

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 twelve nautical landmarks on this sheet. Nine of them are triangulation and were dealt with accordingly. Of the remaining three, two were office compiled, which leaves the "flagpole", to the south of Wethersfield Cove, as the only newly recommended landmark. This "flagpole" is in the approximate location of a "stack" that was previously charted as a landmark.

As many of the larger buildings and tanks as possible should be retained on the chart.

There are eighteen fixed aids to navigation within the limits of this map. Glastonbury Meadows Daybeacon 94A, Wethersfield Cove Daybeacons 1,2,3,4 and 5, South Oil Dock Light, North Oil Dock Light and Intake Chamber Light were not mapped. The daybeacons in Wethersfield Cove and Glastonbury Meadows Daybeacon 94A were visible on the color photographs and were identified thereon. They were

60. DISPOSITION OF DATA

The field edit ozalid, field prints containing field edit information and the processed cronapaque 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

November 7, 1969

TO BE CHARTED
~~TO BE REMOVED~~
~~TO BE DELETED~~

STRIKE OUT TWO

~~NONFLOATING-AID~~ LANDMARKS FOR CHARTS

Atlantic Marine Center

Feb. 17, 1970

I recommend that the following objects which have ~~(been removed)~~ 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

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.

Allen L. Powell, Director

Chief of Party

STATE	CONNECTICUT		DESCRIPTION	SIGNAL NAME	POSITION							METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE			LONGITUDE									
					°	'	"	°	'	"	D.P. METERS						
					D.M. METERS	D.P. METERS	D.P. METERS	D.P. METERS	D.P. METERS	D.P. METERS	D.P. METERS						
STACK	HARTFORD TO WETHERSFIELD																
	Red & White checked circular concrete stack. (East Hartford, Pratt & Whitney stack, 1935) ht.=145(185) ft.																
	41	44	54.876 1693.0	72	38	15.336 354.4	NA 1927										267
SPIRE	White spire with weather vane on top. Base of spire is red brick. (Wethersfield, First Congregational Church Spire 1875) ht=150(190) ft.																
	41	42	46.167 1424.3	72	39	09.597 221.9	"										267
SPIRE	White spire, gold ball atop with weather vane on top of ball. (Glastonbury, First Congregational Church Spire, 1875) ht=123(163) ft.																
	41	42	31.389 968.4	72	36	31.944 738.5	"							X			267
TANK	Red & White checked, steel 4 legged water tank ht=165(205) ft.																
	41	45	08.82 272	72	38	05.19 120	"										267
FLAGPOLE	White flag pole with one cross arm & gold ball on top ht=80(120) ft.																
	41	43	08.49 262	72	39	29.63 685	"										267

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 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 36488-P68

~~TECHNICAL AIDS OR LANDMARKS FOR CHARTS~~

OUT TWO

Atlantic Marine Center

Feb. 17 19

following objects which have ~~(source=none)~~ been inspected from seaward to determine their value as landmarks be the charts indicated.

have been checked after listing by

Albert C. Rauck, Jr.

Allen L. Powell, Director

Chief of Party

[illegible]

in accordance with Hydrographic Manual, Publication 20.7, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of character navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~ } STRIKE OUT TWO

NONRELOCATING AID-TO-NAVIGATION LANDMARKS FOR CHARTS

Atlantic Marine Center

May 27, 19 70

I recommend that the following objects which have ~~(been not)~~ 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

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.*Allen L. Powell*
Allen L. Powell, Director

Chief of Party

STATE	CHARTING NAME	CONNECTICUT	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE		LONGITUDE		DATUM							
					° ' "	D.M. METERS	° ' "	D.P. METERS								
TOWER		HARTFORD TO WETHERSFIELD			41 45	51.688	72 40	23.502	NA	Triang.	10/14/69X				267	
		Tallest building in Hartford, grey, concrete (Traveler's Tower, 1935,)ht=527(577) ft.				1594.7		542.9	1927	T13303						
DOME		Blue conical roof, with gold dome atop, supported by several white pillars. (Hartford, Colt's Factory Cupola 1875) ht=154(174) ft.			41 45	23.814	72 39	48.957	"	"	"	X			267	
						734.7		1131.1								
TOWER		Red & white skelton steel transmission tower (Hartford Light Co. East Tower 1935) ht=250 (260) ft.			41 45	18.766	72 39	14.043	"	"	9/25/69 X				267	
						579.0		324.4								
TOWER		Transmission tower, 4 legged skelton steel, red & white, (Hartford Light Co., west tower, 1935) ht=240(260) ft.			41 45	08.251	72 39	30.313	"	"	10/14/69X				267	
						254.6		700.4								
STACK		Round, concrete stack on top of building. (Hartford Light Co., stack, 1935) ht=230(240) ft.			41 45	00.27	72 39	11.00	"	"	"	X			267	
						8.3		254.2								

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 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

7 1970
landmarks be

Chief of Party		CHARTS AFFECTED															
		REMOVAL CHART	OFFSHORE CHART														
				267													

sitions of charted
he data should be
COMM-DC 10234-P-61

NONFLOATING AIDS OR LANDMARKS—FOR CHARTS

Atlantic Marine Center
Feb. 19 1970

Albert C. Rauck, Jr.

Allen L. Powell, Director, AMC^{Chief of Party.}

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shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted *floating aids to navigation*, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be on charts of the area and not by individual field survey sheets. Information under each column heading should be given. — *RS 13*

NOTES FOR CHARTS

Atlantic Marine Center Feb. 24, 1970

been inspected from seaward to determine their value as landmarks be

Robert C. Rauck, Jr.

Robert C. Rauck, Jr.

Allen L. Powell, Director, AMC

Chief of Party

LATITUDE #	POSITION			DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	CHARTS AFFECTED		
	D.M. METERS	°	'	"			HARBOR CHART	INSHORE CHART	OFFSHORE CHART
5	03.26	72	39	04.36	NA Triang.	8/14/69	X		267
4	100.6	72	38	100.7	1927 T13303	"	X		267
4	53.32	72	38	41.03	Photo	"	X		267
4	1645	72	38	948	T13303	"	X		267
4	00.84	72	38	28.21	"	"	X		267
4	26	72	38	652	"	"	X		267
4	02.59	72	38	28.47	"	"	X		267
4	80	72	38	658	"	"	X		267
2	44.37	72	38	21.58	"	"	X		267
2	1369	72	38	499	"	"	X		267
2	52.83	72	38	38.67	"	"	X		267
2	1630	72	38	894	"	"	X		267
2	42.62	72	37	54.94	"	"	X		267
2	1315	72	37	1270	"	"	X		267
3	49.39	72	38	38.89	"	"	X		267
3	1524	72	38	899	"	"	X		267
3	26.97	72	39	04.93	"	"	X		267
3	832	72	39	114	"	"	X		267
4	15.46	72	38	28.30	"	"	X		267
4	477	72	38	654	"	"	X		267
44	18.93	72	38	28.69	"	"	X		267
44	584	72	38	663	"	"	X		267
4	25.48	72	38	29.86	"	"	X		267
4	786	72	38	690	"	"	X		267
2	42.36	72	37	04.76	"	"	X		267
2	1307	72	37	110	"	8/13/69	X		267

Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted d on this form. Revisions shall show both the old and new positions. The data should be information under each column heading should be given.

STRIKE OUT TWO

ENGINEERING AIDS FOR CHARTS

Atlantic Marine Center
March 7 1970

I recommend that the following objects which have ~~there 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

Albert C. Rauck, Jr.

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

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 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

Atlantic Marine Center
March 7 1970

The positions given have been checked after listing by

Albert C. Rauck, Jr. *Allen L. Powell*
Powell, Director, AMOChief of Party

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

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P. 1-P. 2

REVIEW REPORT T-13303

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-9088, July, 1952, 1:10,000 scale. Discrepancies are noted on the comparison sheet in blue.

The shoreline of these surveys is superseded by T-13303 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S. Geological Surveys: Glastonbury, CT; Hartford South, CT; and Hartford North, CT. All the aforementioned maps are of 1:24,000 scale and dated 1964. Discrepancies are noted on the comparison print in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheet H-9086 Boat Sheet 475, 10-8-69, 1:10,000 scale. The source of the shoreline appears to be the incomplete manuscript of T-13303.

No significant
~~All~~ differences between the boat sheet and survey T-13303 ~~have~~
~~been noted on the comparison print in purple.~~

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 267 Conn. R. 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
Cartographer

Approved for forwarding:


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

Approved:


Alfred C. Holmes
RADM, NOAA
Director, AMC

Approved:


Chief, Photogrammetric Branch, ¹⁰
Chief, Coastal Mapping Division

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40' 30" 41' 46"

72° 40'

x=625,000 FT. 39' 30"

45' 30"

Brown- USGS
Red- Chart 257
Blue-T-9088 Reg.

HARTFORD

CONTROL STATIONS

COLT'S FACTORY CUPOLA 1875
TOWER 1935 ht=240 (260)
TOWER 1935 ht=230 (240)
TOWER 1935 ht=250 (260)

45'

ASYLUM ST

TRAVELER'S TOWER 1935
1935 ht=527 (577)

FOUNDERS FIXED BRIDGE

CHARTER OAK AVENUE

68-E(C)-8027

CHARTER OAKS FIXED BRIDGE

HARTFORD JETTY LIGHT
1913

Hockanum River

Willow Brook

NY NH AND H RR

15 5 6

91

15 5 6

RES

15 5 6

91

15 5 6

91

15 5 6

91

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Brown- USGS
Red- Chart 267
Blue- T-9088 Reg.

40'

41° 44'

39' 30"

Brainard Airport

72° 39'

Folly Brook

43' 30"

68-E(C)-8029

EAST HARTFORD
LIGHT 100,
1969

Wethersfield Cove

All piers are floating

Pier
Public Ramp
Parking area

Bulk oil
unloading wharf
Subm pipeline
8 Dots

WETHERSFIELD
LIGHT 99A, 1969

Keeney Point

38' 30"

Wrecked cars
in foreshore

Submerged pipeline

Dol
Bulkhead
Dol

POLE 1969
(120)



32

Brown- USGS

Blue- T-9088 Reg.

TANK 1969
ht = 165 (205)

HARTFORD PRATT AND WHITNEY
ELEVATED TANK 1935 ht = 180 (220)

EAST HARTFORD PRATT AND WHITNEY
STACK 1935 ht = 145 (185)

45'

44'30"

37'30"

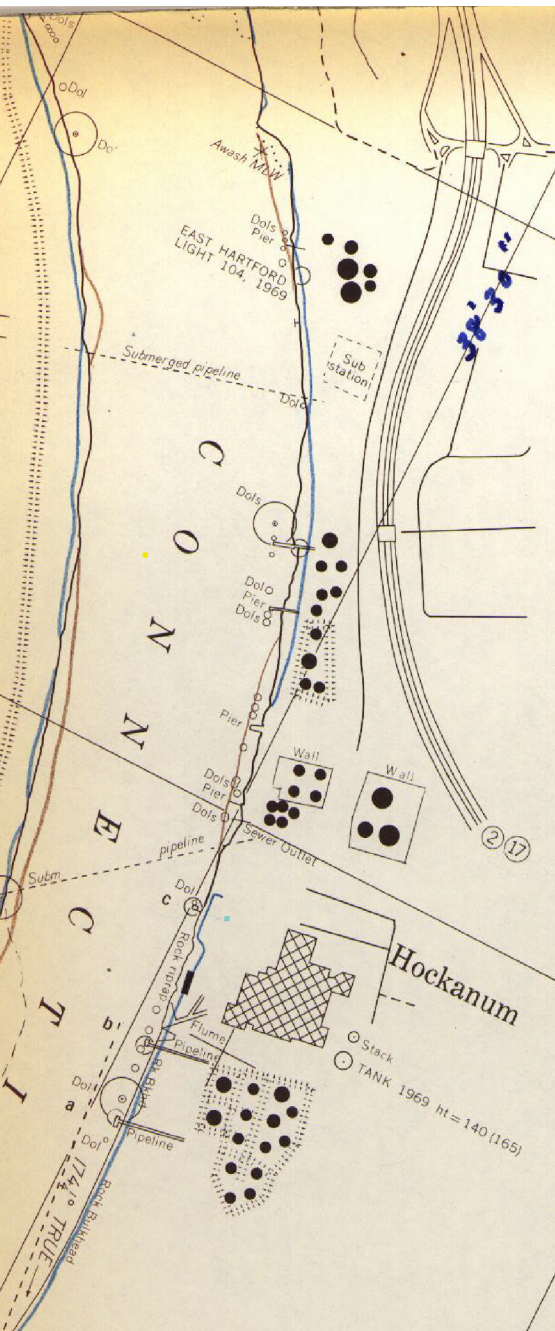
EAST HARTFORD

72° 35'

41° 44'

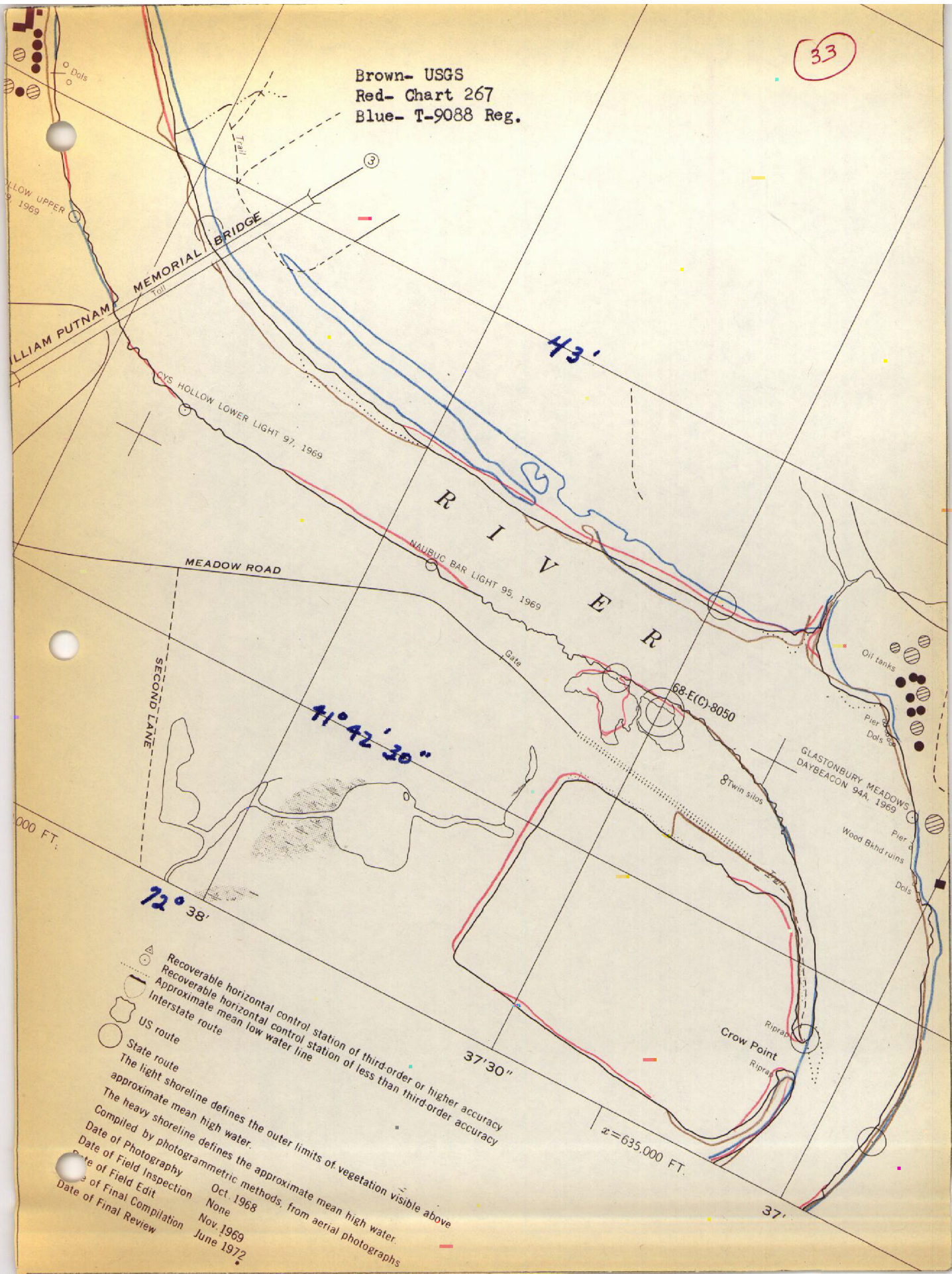
NONFLOATING AIDS TO NAVIGATION

- a - SOUTH OIL DOCK LIGHT 1969
 - b - SOUTH OIL DOCK LIGHT 1969
 - c - WETHERSFIELD COVE DAYBEACON 1, 1969
 - d - WETHERSFIELD COVE DAYBEACON 2, 1969
 - e - WETHERSFIELD COVE DAYBEACON 3, 1969
 - f - WETHERSFIELD COVE DAYBEACON 4, 1969
- (Note: The above are private property)



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Brown- USGS
Red- Chart 267
Blue- T-9088 Reg.



- Recoverable horizontal control station of third-order or higher accuracy
- Recoverable horizontal control station of less than third-order accuracy
- Approximate mean low water line
- Interstate route
- US route
- State route
- The light shoreline defines the outer limits of vegetation visible above approximate mean high water.
- The heavy shoreline defines the approximate mean high water.
- Compiled by photogrammetric methods, from aerial photographs
- Date of Photography Oct. 1968
- Date of Field Inspection None
- Date of Field Edit Nov. 1969
- Date of Final Compilation June 1972
- Date of Final Review

