

13305

13305

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-13305.....

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

LOCALITY

State Connecticut.....

General Locality Connecticut River.....

Locality Cromwell.....

1968 TO 1969

DESCRIPTIVE REPORT - DATA RECORD

T-13305

①

PROJECT NO. (II): PH-6815		
FIELD OFFICE (III): 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 HIGH WATER 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): McAuliffe, 1934		
LAT.: 41°34'52.300"1613.5m	LONG.: 72°37'09.736" 225.5	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 272,517.09 FT. x = 635,739.73 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

(2)

T-13305

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 19 - HEADING 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. Minton Triangulation - A.C. Rauck, Jr.		DATE March 3, 1969 March 17, 1969
CONTROL CHECKED BY (III): Aerotriangulation - J. Steinberg 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 Reviewed By: C.H. Bishop	DATE 5/8/69 5/8/69
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): C.H. Bishop		DATE 6/16/69
SCRIBING BY (III): Rockville Office		DATE 3/10/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation A.C. Rauck, Jr. Field Edit R.E. Smith Scribing and Stick Up F. Margiotta		DATE June 17, 1969 5/21/70 7/26/72
REMARKS: Field Edit By: Richard E. Kesselring		DATE Oct. 29, 1969

DESCRIPTIVE REPORT - DATA RECORD

T-13305

(3)

CAMERA (KIND OR SOURCE) (III):

Type "E" Wild RC-8

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
68E(c)-7958-7959	Oct. 1, 1968	10:47	1:40,000	1.9' Above M.L.W.
68E(c)-8036-8038	"	12:36	1:20,000	1.2' " "
68E(c)-8043-8045	"	12:46	"	1.1' " "

Predicted Tide (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: New London, Conn., State Pier		2.6'	3.1'
COORDINATE 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): 4

RECOVERED:
4IDENTIFIED:
1

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:

5
11

T-13305

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	June 16, 1969	Superseded
Field Edit Applied Compilation Complete	March 20, 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 ON JULY 26, 1972.

CHART MAINTENANCE PRINT (FINAL REVIEWED COPY) FORWARDED
TO ROCKVILLE OFFICE ON DEC. 15, 1972 - This Copy to Charts July 1974

WESTFIELD 9 MI.

SPRINGFIELD 9 MI.

72

15'

WTS HAMPTON CO

45'

2 400 000 FEET (N.Y. L.I.)

30'

(6)

EL (N)



OFFICIAL MILEAGE FOR

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-13305

Shoreline survey T- 13305 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 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 using ^{Stereo- v} 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. ^{and graphic methods}

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.

9

FIELD INSPECTION REPORT

MAP T-13305

PROJECT PH-6815

There was no field inspection prior to compilation.

(9)

Photogrammetric Plot Report

[REDACTED]

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 promarked 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.

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

Respectfully submitted

Connecticut 1 er, Connecticut
Job -6815

Notes Compiler

It will be noted that many br e points classified 500 e.g. 19503 are shown on the L... 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.

30 68E(C) 7949

DESCRIPTIVE REPORT CONTROL RECORD

SCALE FACTOR

None

[illegible]

COMPILATION REPORT
MAP MANUSCRIPT T-13305
PROJECT PH-6815

31. DELINEATION

Compilation was by Wild ~~B-8~~ ^{Stereo instrument}. Some additions and corrections were made when the sheet was inked.

The Wild ~~B-8~~ models were at 1:40,000 scale and were compiled at 1:10,000 scale. Hydrographic support photography was taken at 1:20,000 scale and ratioed to 1:10,000. These photographs were used to check the Wild B-8 compilation when the map was inked.

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated from office inspection and stereoscopic examination of the 1:10,000 scale ratio photographs.

35. SHORELINE AND ALONGSHORE DETAILS

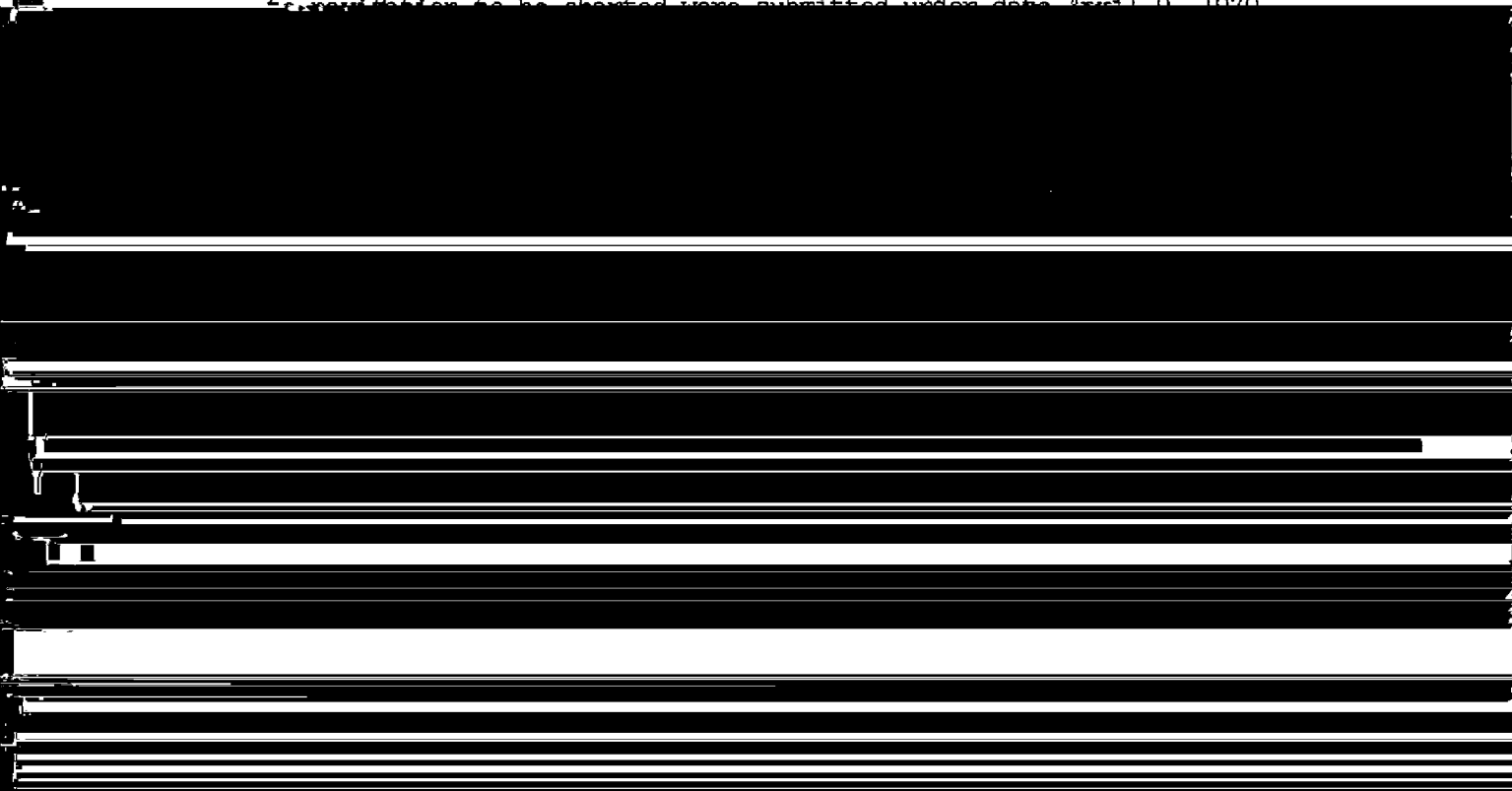
The mean high water ^{and low water} lines ^{were} compiled on the Wild B-8 from office interpretation, and refined graphically with 1:10,000 ratio prints of 1:20,000 photography. Tree overhang made identification of the mean high water line difficult in places, but compilation is believed to be within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

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Form 567 for two landmarks to be deleted and seven fixed aids
to navigation to be charted were submitted under date April 9, 1970

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS

Satisfactory junctions have been made with T-13306 to the south
and T-13304 to the north. There are no contemporary surveys to the
east or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41 through 45

Inapplicable

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 16, 1969~~

April 10, 1970

Approved for forwarding:

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

Approved:

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

154 16
OCT 4 1972

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-6815 (Conn.)

T-13305

Boggy Meadow

Connecticut River

Cromwell

Dead Mans Swamp

Gildersleeve

Gildersleeve Island

Hales Brook

New York New Haven Hartford (R.R.)

Old Maids Lane

Portland

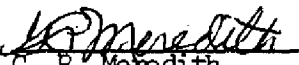
Reservoir Brook

River Road

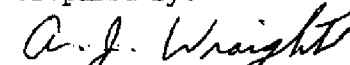
Round Meadow

Siam Dock

Approved:


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

Prepared by:


A. Joseph Wraight
Chief Geographer

T-13305

49. NOTES FOR THE HYDROGRAPHER

Brownstone Bar, Pistol Point Bar, Gildersleeve Island Bar, Cromwell Bar, and Portland Bar were not visible on the photographs and therefore were not compiled or named on this map.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 13305

1. PROJECTION AND GRIDS ACR	2. TITLE ACR	3. MANUSCRIPT NUMBERS ACR	4. MANUSCRIPT SIZE ACR
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ACR	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) ACR	7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT Bridge W.O.	11. DETAIL POINTS Wild B-8
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 ACR	17. LANDMARKS ACR	18. OTHER ALONGSHORE PHYSICAL FEATURES ACR	19. OTHER ALONGSHORE CULTURAL FEATURES ACR
PHYSICAL FEATURES			
20. WATER FEATURES ACR	21. NATURAL GROUND COVER ACR	22. PLANETABLE CONTOURS XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES ACR
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 XX	39. FORMS ACR
40. REVIEWER Albert C. Rauck, Jr.		SUPERVISOR, REVIEW SECTION OR UNIT Albert 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 R.J. Pate		SUPERVISOR Albert C. Rauck, Jr.	
Reviewer: R.E. Smith		5/20/70	
43. REMARKS			
Field Edit Applied From:- Field Edit Ozalid, Field Photos NOS. 68-E(c)-8035 Thru 8038; 68-E(c)-8043 thru 8044			

(19)

FIELD EDIT REPORT
CONNECTICUT RIVER, CONN.
JOB PH-6815
MAP T-13305

52. ADEQUACY OF COMPILATION

Compilation was adequate. Numerous small details were overlooked but only one shoreline change of any importance was indicated. This was due to sand shifting during the spring freshets and not to inadequate compilation. The new shoreline was inked on the appropriate color photograph and was further developed by the hydrographer during the 1969 hydrography. A few minor shoreline changes were indicated near the southerly tip of Gildersleeve Island.

A small island at Lat. $41^{\circ} 34.9'$, Long. $72^{\circ} 38.8'$ is probably an old rock breakwater or dike. However, it has large trees and heavy vegetation growing on it and from the water appears as an island. It should be so mapped. There is a rock dike awash near the extreme southerly limits of the map. For clarification it was dealt with on map T-13306.

A "pier ruins" at Lat. $41^{\circ} 35.7'$, Long. $72^{\circ} 38.4'$ is actually still in use as a bulk oil unloading pier. It is, however, admittedly in a bad state of repair and "ruins" hits the mark about as well as any designation.

A sewage outlet, two or three intermittent streams and some grass in the foreshore were not mapped. Attention was called to these items on the field edit ozalid and cross-references made to the appropriate photographs.

There is a submerged pipeline crossing near the northerly limits of the sheet. It was located on the photographs and attention drawn to it on the ozalid.

Several "fallen trees" have been mapped. Fallen trees are everywhere along the river, and more occur every time there is a flood and during the spring freshets. They shift and move about constantly so that their value for charting is doubtful.

A previously charted "submerged dike", at Lat. $41^{\circ} 36.6'$, Long. $72^{\circ} 37.2'$ was found to be extant. It was indicated by a dashed line on color photograph 68E8044(c) and was d.p.'ed by the hydrographer during the 1969 hydrography, position numbers 1092 thru 1105 on boat sheet 745-10-7-69.

A small island, delineated as fast shoreline, at the north end of Gildersleeve Island was not found. The 1969 hydrography shows 4.0 foot soundings in the area. The island was probably washed away during the spring freshets.

There is a wrecked "car in water" at Lat. $41^{\circ} 35.9'$, Long. $72^{\circ} 38.1'$. It bares 2.0 feet at MHW and is visible on color photo 68E8038(c). Attention was drawn to it on the field edit ozalid.

The section of the New York, New Haven and Hartford Railroad shown on this map is in active use.

The "road under construction" in the southwesterly corner of the sheet is now completed. It is a four lane, divided, limited access highway that would probably meet Interstate Highway criteria. It is designated CONNECTICUT HIGHWAY 9.

54. RECOMMENDATIONS

Photography for the MHWL should be flown in late winter or early spring on future jobs of a nature similiar to this one, where heavy deciduous vegetation is likely to obscure 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 no landmarks suitable for charting within the limits of this map. Two office identified and compiled "stacks" were deleted as they are not visible from the river.

There are seven fixed aids to navigation on this sheet. Six of them were office identified and compiled. These were verified by the field editor and they were entered on form 567. The remaining aid, Gildersleeve Daybeacon, was not visible on the photographs. It was located with a theodolite fix from photo-hydro signals, plotted on the signal manuscript, scaled off and entered on form 567. See form 152 for Gildersleeve Daybeacon and for "point on range" for Pistol Point Range.

57. GEOGRAPHIC NAMES

No discrepancies were noted in the names on this map. Attention is called to the "road under construction" in the southwesterly corner of the sheet. This is Connecticut State Highway 9.

58. ROCKS AND SHOALS

There are no really noteworthy rocks on this sheet. One rock awash at MLW was found by the hydrographer during the 1969 hydrography-position number 435 B.S. 745-10-7-69. There is another large bare rock in the foreshore at Lat. $41^{\circ} 37.1'$, Long. $72^{\circ} 37.5'$. It was visible on the color photographs and was circled and labeled thereon. It was noted on the field edit ozalid and cross-referenced to the proper photograph. Two compiled "rocks awash" in the extreme southwesterly portion of the map were not found, neither by the field editor nor by the hydrographer. They were deleted from the field edit ozalid.

There are no proper shoals on this sheet. Some of the shallow areas bare or are awash at MLW and they were so labeled on the field edit ozalid.

59. PHOTOGRAPHY

Photography consisted of black and white copies of color photography and, later, color photographs. All field edit notes were made on the color photographs. The photography was of good quality and, except for areas obscured by shadows and overhanging trees, was good to work with.

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
October 29, 1969

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTSTO BE CHARTED
~~TO BE REVISED~~
~~70-86-DEB5450~~ } STRIKE OUT TWO

Atlantic Marine Center March 20, 1970

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

The positions given have been checked after listing by

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

Albert C. Rauck, Jr.

Allen L. Powell, Director, AMES of Ports

CHARTING NAME	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. M. METERS	"	D. M. METERS	"	D. P. METERS	"						
					D. M. METERS	"	D. P. METERS	"	D. P. METERS	"						
			LONG ISLAND SOUND CONNECTICUT RIVER													
LIGHT 79			Cromwell Point Light		41 35	46.51 1435	72 38	18.91 438	NA 1927	Photo T13305	8/11/69	X				267
DAY BEACON			Gildersleeve Day Beacon		41 35	59.74 1843	72 37	32.30 748	NA 1927	Photo T13305	8/11/69	X				267
LIGHT 80			Siam Dock Light		41 36	07.55 233	72 36	57.78 1338	NA 1927	Photo T13305	8/11/69	X				267
LIGHT 82			Pistol Point, Range Rear Light		41 36	37.79 1166	72 36	40.73 943	NA 1927	Photo T13305	8/11/69	X				267
LIGHT 82			Pistol Point, Range Front Light		41 36	39.80 1228	72 36	44.44 1029	NA 1927	Photo T13305	8/11/69	X				267
LIGHT 83			North Cromwell Light		41 37	09.30 287	72 37	40.69 942	NA 1927	Photo. T13305	8/11/69	X				267
LIGHT 83A			Brownstone Bar Light		41 37	49.27 1520	72 37	59.75 1383	NA 1927	Photo. T13305	8/11/69	X				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

TO BE DELETED
TO BE DELETED
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 ~~(have-not)~~ been inspected from seaward to determine their value as landmarks be ~~started on (deleted from)~~ the charts indicated.

The positions given have been checked after listing by Ad. Pat.

R. J. Pate

Allen L. Powell, Director, AMC

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

REVIEW REPORT T-13305

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 T-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-13305 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Hartford South, CT, 1964; Middletown, CT, 1952 and Middle Haddam, CT, 1961. All are 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-13305.~~ No significant differences were noted.

~~All differences between the boat sheet and survey T-13305 have been noted on the comparison print 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 G. Brown
Chief, Photogrammetric Branch

Wesley V. Hull
Chief, Coastal Mapping Division

41° 36'

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

68-E(C)-8037

fallen tree
obstruction
(2) MHW

CROMWELL POINT LIGHT 79 1969

CROMWELL

TOWN DOCK 1935
NO. 105 (USE) 1935

Pier ruins

Marine Ry

35° 30'

Awash MLW x

35'

68-E(C)-8038

PORTLAND

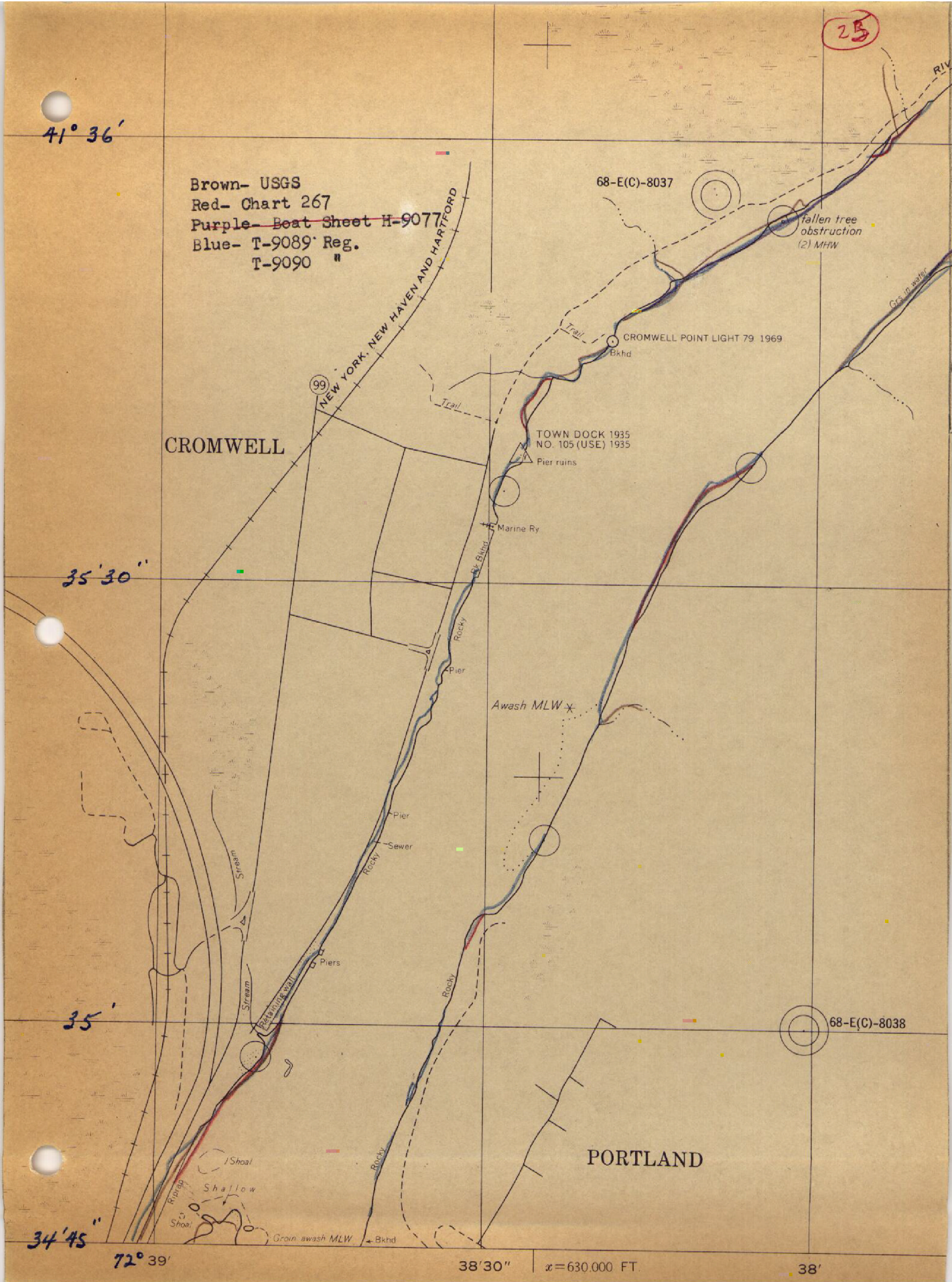
34° 45'

72° 39'

38° 30'

x=630,000 FT.

38'



30,000 FT.

72° 38'

37' 30"

x=635,000 FT.

37'

24 26

Submerged pipeline

OLD MAIDS LANE

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

41° 38'

NEW YORK, NEW HAVEN AND HARTFORD

Pier

Floating pier

BROWNSTONE BAR
LIGHT 83A 1969

Floating pier

68-E(C)-8045

37' 30"

N

Z

N

E

C

T

I

POINT ON
RANGE

30 ft. Bluff

NORTH CROMWELL LIGHT 83 1969

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

25

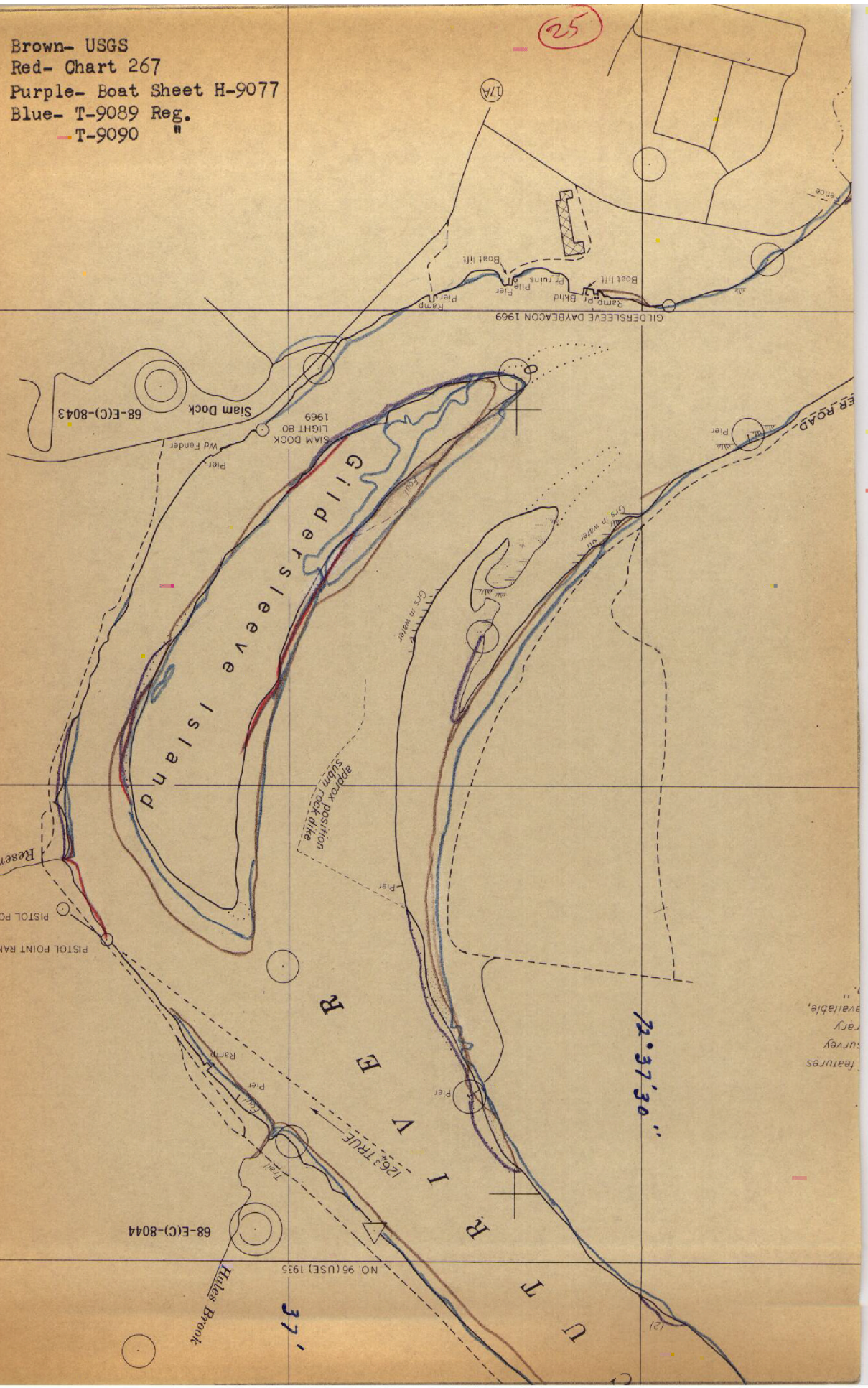
41° 36'

36° 30'

72° 37' 30"

36° 30'

37'



features
 survey
 rary
 available,

NO 96 (USE) 1935

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

T-13305

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
267 (12377)	2-27-75	Gott Healey	Full Review After Review Review Completed Signed Via _____ Drawing No. 23 CONSIDER ADEQUATELY APPLIED

[illegible]