ORIGINAL

13311

13311

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-13311

Classification No. *Edition No.* 1

FIELD EDITED MAP

LOCALITY

State Connecticut

General Locality Connecticut River

Locality Hadlyme

1968 TO 1969

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-760-593

FORM C&GS-181a
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-13311

(1)

PROJECT NO. (II):

PH-6815

FIELD OFFICE (II):	CHIEF OF PARTY
None	
PHOTOGRAMMETRIC OFFICE (III):	**OFFICER-IN-CHARGE**
Atlantic Marine Center, Norfolk, VA	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):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	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):	VERTICAL DATUM (III):
N.A. 1927	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):

Gravel, 1934

LAT.:	LONG.:	
41°24'43.868" 1353.3m	72°25'24.218" 562.5m	[X] ADJUSTED [ ] UNADJUSTED

PLANE COORDINATES (IV):	STATE	ZONE
Y = 211,077.69 FT. X = 689,591.17 FT.	Connecticut	

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.

USCOMM-DC 36393A-P66

FORM C&GS-181b
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-13311

(2)

FIELD INSPECTION BY (II): None	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - Oct. 1, 1968 Date of Photography REFER TO FIELD EDIT REPORT (PAGE 18, HEADING 5Z)	
PROJECTION AND GRIDS RULED BY (IV): A. Bethea	DATE Nov. 22, 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 Feb. 26, 1969 March 18, 1969
CONTROL CHECKED BY (III): Aerotriangulation - J. Steinberg Triangulation - C. Bishop	DATE Feb. 26, 1969 March 18, 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. Reviewed By: A. Shands	DATE 4/14/69 4/14/69
CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): C.H. Bishop	DATE 4/29/69
SCRIBING BY (III): Rockville Office	DATE 3/10/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation A.C. Rauck, Jr. Field Edit R. J. Pate Scribing and Stick Up F. Margiotta	DATE 5/13/69 6/20/70 7/24/72

REMARKS:

	DATE
Field Edit By: R. E. Kesselring	9/19/69

USCOMM-DC 36393B-P66

FORM C&GS-181c (3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

(3)

T-13311

CAMERA (KIND OR SOURCE) (III):

Type "E" Wild RC-8

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
68E(c)-8074-8075	Oct. 1, 1968	13:23	1:20,000	0.4' Above M.L.W.
68E(c)-7969-7971	"	11:04	1:40,000	1.1' " "

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: New London, Conn., State Pier		2.6'	3.1'
SUBORDINATE STATION: Hadlyme, Conn.		2.7'	3.2'
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs — DATE: November, 1972

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 8	RECOVERED: 6	IDENTIFIED: 4
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:

USCOMM-DC 36393C-P66

(4)

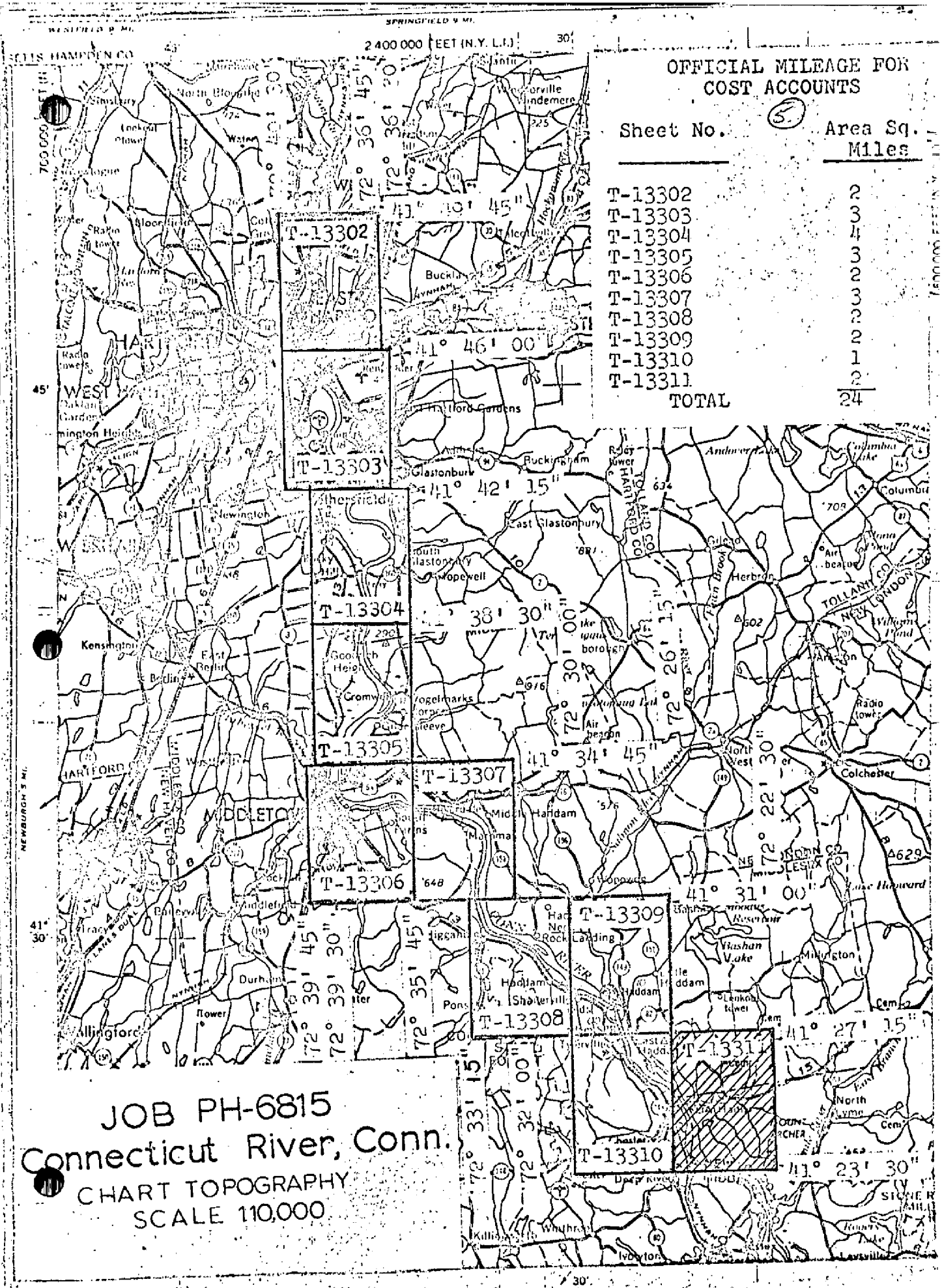
T-13311

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

* CHART MAINTENANCE PRINT (ADVANCE MANUSCRIPT COPY) FORWARDED TO MARINE CHART DIVISION, JULY 17, 1970.

SCRIBING AND STICK-UP COMPLETED 7/24/72.

CHART MAINTENANCE PRINT (FINAL REVIEWED COPY) FORWARDED TO ROCKVILLE OFFICE DEC. 15, 1972. TO CHARTS JULY 1974


OFFICIAL MILEAGE FOR COST ACCOUNTS
Sheet No. (5)
Area Sq. Miles
T-13302 2
T-13303 3
T-13304 4
T-13305 3
T-13306 2
T-13307 3
T-13308 2
T-13309 2
T-13310 1
T-13311 2
TOTAL 24
T-13302
T-13303
T-13304
T-13305
T-13306
T-13307
T-13308
T-13309
T-13310
T-13311
41° 46' 00"
41° 42' 15"
41° 38' 30"
41° 34' 45"
41° 31' 00"
41° 27' 15"
41° 23' 30"
72° 45' 00"
72° 39' 30"
72° 35' 45"
72° 32' 15"
72° 30' 00"
72° 26' 15"
72° 22' 30"
JOB PH-6815
Connecticut River, Conn.
CHART TOPOGRAPHY
SCALE 1:10,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-13311

Shoreline survey T- 13311 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 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.

FIELD INSPECTION REPORT

MAP T-13311

PROJECT PH-6815

There was no field inspection prior to compilation.

(8)

Photogrammetric Plot Report
Job "H-6015
Conn. River, Conn.

January 16, 1969

21. Area Covered

This report covers the Connecticut River, Connecticut, from latitudes 41°23'30" to 41°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,

IIS

I. I. Saperstein

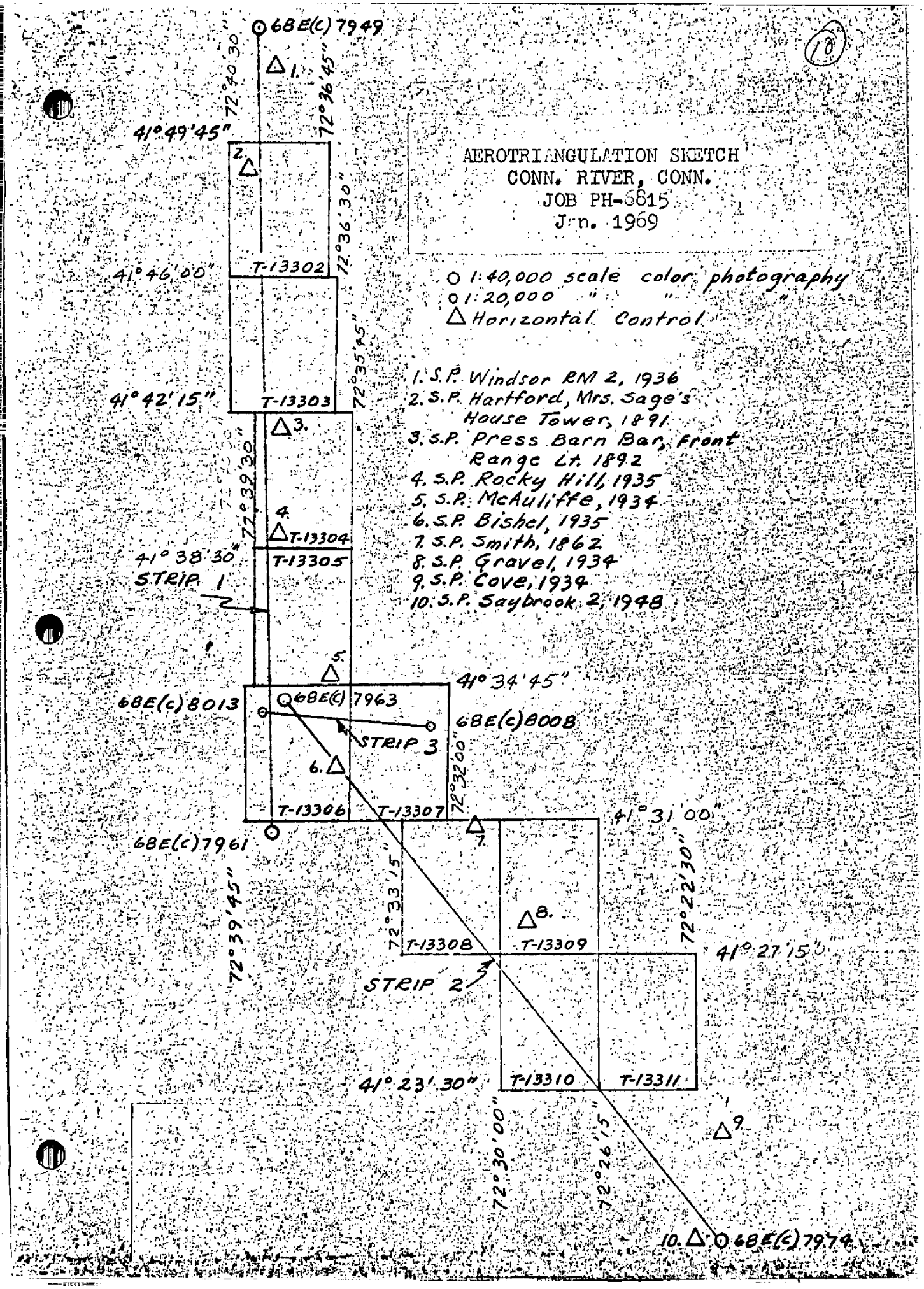
Approved and forwarded,

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
68E(c) 7949
68E(c) 7963
68E(c) 8013
68E(c) 8008
68E(c) 7961
68E(c) 7974
T-13302
T-13303
T-13304
T-13305
T-13306
T-13307
T-13308
T-13309
T-13310
T-13311
STRIP 1
STRIP 2
STRIP 3
41° 49' 45"
41° 46' 00"
41° 42' 15"
41° 38' 30"
41° 34' 45"
41° 31' 00"
41° 27' 15"
41° 23' 30"
72° 40' 30"
72° 36' 45"
72° 33' 15"
72° 30' 00"
72° 36' 30"
72° 35' 45"
72° 39' 30"
72° 32' 00"
72° 22' 30"
72° 26' 15"
72° 39' 45"

FORM C&GS-164
(4-68)
USCOMM-DC
50318-P68

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13311 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)
Gillette, 1934	Geo. Pos. Vol. 1, Pg. 144	N.A. 1927	41° 25' 23.627" 72° 25' 42.781"	728.9 993.5	1122.1 399.8
Gravel, 1934	" " Vol. 1, Pg. 144	"	41° 24' 43.868" 72° 25' 24.218"	1353.3 562.5	497.7 831.0
Whale Bone Creek, Rear Range Light, 1897	" " Vol. 1, Pg. 145	"	41° 25' 04.134" 72° 25' 37.747"	127.5 876.6	1723.5 516.8
Whale Bone Creek, Front Range Light, 1897	" " Vol. 1, Pg. 145	"	41° 25' 01.461" 72° 25' 36.673"	45.1 851.7	1805.9 541.7
St. John's School, Tower, 1934	Geo. Pos. Vol. 1, Pg. 144	"	41° 23' 50.602" 72° 25' 57.687"	1561.1 1340.1	289.9 53.7
No. 210 (U.S.E.), 1934	Geo. Pos. Vol. 1, Pg. 145	"	41° 23' 59.159" 72° 25' 13.566"	1825.1 315.1	25.9 1078.7

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

DATE Jan. 30, 1969
Feb. 19, 1970

CHECKED BY CHB
ACR

DATE 3/18/69
2/19/70

(12)

COMPILATION REPORT

MAP MANUSCRIPT T-13311

PROJECT PH-6815

31. DELINEATION

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

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

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

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

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled on ~~the Wild B-8~~ a Stereo-plotter 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.

The low water line and grass in water was delineated from office interpretation of the 1:10,000 scale ratio prints taken near low water.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Forms 567 for two landmarks and five 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-11782 (Project PH-6002) to the south and T-13310 to the west. There are no contemporary surveys to the north or east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

41 through 45

Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangle DEEP RIVER, CT, scale 1:24,000, dated 1961, reprinted 1964.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with CHART 266, scale 1:20,000, 4th Edition, dated Jan. 15, 1968.

(14)

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer
~~May 12, 1969~~
June 11, 1970

Approved for forwarding:

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

Approved:

Alfred C. Holmes
RADM, NOAA
Director, AMC

(15)

OCT 4 1972

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-6815 (Conn.)

T-13311

Chester Creek

Connecticut River

Deep River

Deep River (Vg.)

Eustasia Island

Fort Hill

Hadlyme

Hemlock Valley Brook

Joshua Cr.

Lower Pond

Selden Creek

Selden Cove

Selden Neck

Steamboat Landing

Whalebone Creek

Approved:

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

Prepared by:

A. Joseph Wraight
Chief Geographer

49. NOTES FOR THE HYDROGRAPHER

Shoals and bars named on Chart 266 were not compiled on this manuscript; they could not be seen on the photographs.

(17)

FORM C&GS-1002
(9-66)

U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-13311

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CHB	CHB	CHB	CHB

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
ACR	ACR	ACR

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
ACR	ACR	ACR	ACR

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
ACR	ACR	ACR	ACR

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
ACR	ACR	ACR	ACR

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
ACR	ACR	XX

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
XX	XX	XX	ACR

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
ACR	ACR	ACR	ACR

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
XX	XX

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
ACR	ACR	ACR

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
ACR	ACR	ACR	ACR

40. REVIEWER	DATE	SUPERVISOR, REVIEW SECTION OR UNIT
A.C. Rauck, Jr.	5/13/69	Albert C. Rauck, Jr. 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		SUPERVISOR
R.E. Smith	6/11/70	Albert C. Rauck, Jr.
Reviewer: R.J. Pate	6/20/70	Albert C. Rauck, Jr.

43. REMARKS

Field Edit Applied From:- Field Edit Ozalid, Field Ratio Photos. Nos. 68E(c)-8073 thru 8074, 68-S-7627, 68E(c)-8072 thru 8073

NOTE: 68E-8074 - 68S 7627 are filed in Fed. Records Center with Job PH-6002 Data

(18)

FIELD EDIT REPORT
CONNECTICUT RIVER, CONN.
JOB PH-6815
MAP T-13311

52. ADEQUACY OF COMPILATION

Compilation was adequate. A major shoreline change was indicated at the northerly tip of Eustasia Island where the "grass in water" is actually apparent shoreline. Some additional "grass in water" areas were outlined on the photographs in this same area. Appropriate notes were made on the field edit ozalid. The foreshore along the southwesterly bank of Eustasia Island is filled with marsh grass, the offshore edge of which should be delineated as apparent shoreline.

Additional shoreline changes were minor, attention was called to them on the field edit ozalid and cross references made to the appropriate photograph.

The lake or basin from which Whalebone Creek flows should have the channels delineated and the "grass in water" shown as marsh with apparent shoreline.

The "marsh" and "grass in water" in the westerly portion of Selden Cove are actually lily pads.

The majority of the piers on this map are floating and are removed during the winter months. The major piers should be retained as they are replaced in the same positions every spring. The numerous small temporary piers, to which attention was called on the field edit ozalid, in the Chester Creek area should not be mapped. Perhaps a note could be made calling attention to them.

The Chester-Hadlyme ferry operates from April 1st thru November 30th, from 7:00 a.m. to 9:00 p.m. daily.

Swamp and marsh area limits were verified or corrected throughout the map.

A submerged cable crossing, just upstream of the Chester-Hadlyme ferry landing was not mapped. It was indicated on the field edit ozalid.

The New York, New Haven and Hartford Railroad, labeled as "abandoned" has been taken over by the State of Connecticut for future development. See the field edit report for T-11782 for further discussion of this subject.

54. RECOMMENDATIONS

None.

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 two recommended nautical landmarks on this map. St. Johns School Tower is triangulation and was dealt with accordingly. The other is a flagpole, at the Pattaconk Yacht Club, which was not compiled. It was circled on the appropriate photograph, indicated on the field edit ozalid, indexed on form 152 and submitted on form 567.

Gillettes Castle is recommended as a landmark building instead of "TOWER" as it was formerly charted.

There are five fixed aids within the limits of this map. Four of them were compiled, the fifth, Chester Creek Light, a private aid, was put into operation at a more recent date, see Local Notice to Mariners No. 30, June 26, 1969 - Third Coast Guard District. The light is on a dolphin that was extant at the time of photography. It was labeled on the photograph and attention called to it on the field edit ozalid. Appropriate forms were made up for it.

57. GEOGRAPHIC NAMES

All highway numbers, street and road names were verified. No discrepancies were noted in any of the names on this map.

58. ROCKS, REEFS AND SHOALS

There is only one important rock on this map. It was compiled as a "rock awash" but it is actually the base of an old fixed aid to navigation named Chester Rock Light. The light has been razed but the concrete base remains, it bares approximately six feet at MLW. The actual shape of the base should be delineated and, perhaps, the rock could be named Chester Rock. It is a well known local landmark.

There are two rocks awash at Lat. 41° 24.2', Long. 72° 25.3' where one rock is compiled. It appears that the compiled rock is not the rock furthest offshore, the suspect rock was indicated on field photo 68E8073 and noted on the field edit ozalid.

The object compiled as a "rock awash" in Selden Cove is actually a tree stump that bares about 3.0 feet at MHW. It does not appear to be permanent. Although it was still extant at the time of field edit, its value for charting is doubtful as the next spring freshet could wash it away or move it to a new location.

There are no other rocks on this map worth mentioning.

There is a rock reef at Lat. 41° 24.2', Long 72° 25.5' that is awash at MLW. It is visible on color photo 68E8074(c) and was outlined thereon. It was also developed by the hydrographer during the 1969 hydrography, boat sheet 745-10-4-69. This reef might have been a manmade structure at one time but it bears no resemblance to one now.

A noteworthy shoal lies in the southerly portion of this map just upstream of Eustasia Island. The downstream portion of this shoal is awash at MLW and was compiled as a "sandbar". The remainder of the shoal, which ends at the reef mentioned in the preceeding paragraph, has two to three feet of water at MLW. This shoal is easily visible on the color photographs. It was developed by the hydrographer during the 1969 hydrography.

59. PHOTOGRAPHY

Photography consisted of 1:10,000 ratio black and white copies of color photography, later supplemented by the color photographs. Most of the field edit was done on the black and white matte finish prints, but the reefs and shoals mentioned under the proceeding heading were done on the color photographs.

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
Surveying Technician

September 19, 1969

FORM C&GS-567
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

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

Atlantic Marine Center June 5, 1970

I recommend that the following objects which have (~~have 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 R. E. Smith

R. E. Smith

Allen L. Powell

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

STATE: CONNECTICUT

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE ″ D.M. METERS	LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	ISSUING CHART	OFFSHORE CHART	CHARTS AFFECTED
	LONG ISLAND SOUND CONNECTICUT RIVER												
LIGHT 38	Whalebone Creek Range Front (Whalebone Creek Front Range Light 1897)		41 25	01.461 45.1	72 25	36.673 851.7	N.A. 1927	Triang. T13311	5/29/69	x			266
LIGHT 38	Whalebone Creek Range Rear (Whalebone Creek Rear Range Light 1897)		41 25	04.134 127.5	72 25	37.747 876.6	"	"	"	x			266
DAYBEACON	Selden Neck (No. 210 (Use) 1934)		41 23	59.159 1825.1	72 25	13.566 315.1	"	"	5/28/69	x			266
LIGHT 38A	Hadlyme		41 25	44.51 1373	72 26	13.09 304	"	Photo. "	5/29/69	x			266
LIGHT	Chester Creek (Priv. maintd.)		41 24	24.86 767	72 25	45.12 1048	"	"	8/6/69	x			266

(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.

R.E.Pate

FORM C&GS-567
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

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

Atlantic Marine Center, June 5, 1970

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 R. E. Smith

R. E. Smith

Allen L. Powell

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

STATE: CONNECTICUT

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	POSITION LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	CONNECTICUT RIVER												
TOWER	Bronze dome with cross on large brown stone building (St. John's School Tower 1934) ht=115(253)		41 23	50.602′ 1561.1	72 25	57.687′ 1340.1	N.A. 1927	Triang. T13311	8/4/69	x			266
FLAGPOLE	White flagpole at Pattaconk Yacht Club. ht=55(65)		41 24	41.56′ 1282	72 25	44.69′ 1038	"	Photo. "	"	x			266

(22)

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. R.J.Pate

* TABULATE SECONDS AND METERS

USCOMM-DC 38410-P70

FORM C&GS-567
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

~~TO BE CHANGED~~
~~TO BE REMOVED~~
TO BE DELETED } STRIKE OUT TWO

Atlantic Marine Center June 5 1970

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

The positions given have been checked after listing by R. E. Smith

R. E. Smith

Allen L. Powell

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

STATE CONNECTICUT

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	CONNECTICUT RIVER												
TOWER	Entire building more valuable than tower		41 25.	3	72.25.	7	N.A. 1927	T13311	10/24/69	X			266

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. R.J.P.

* TABULATE SECONDS AND METERS

USCOMM-DC 36485-P66

(2)

(24)

REVIEW REPORT T-13311

SHORELINE

NOVEMBER, 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-9092 and T-9093 dated July, 1952, at 1:10,000 scale. Discrepancies are noted on the comparison sheet in blue.

The shoreline of these surveys is superseded by T-13311 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Deep River, CT, 1961 Edition, 1:24,000 scale quadrangle. Discrepancies are noted on the comparison print in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheet H-9050 10/6/69, 1:10,000 scale and boat sheet H-9051 10/4/69 1:10,000 scale. The source of the shoreline appears to be the incomplete manuscript of T-13311. All differences are noted on the comparison sheet in purple.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 266, Deep River to Bodkin Rock 6th Edition dated March 25, 1972, 1:20,000 scale. Differences are noted in Red on the comparison sheet.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by:

Bernard Kurs

Bernard Kurs
Cartographer

Approved for forwarding:

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

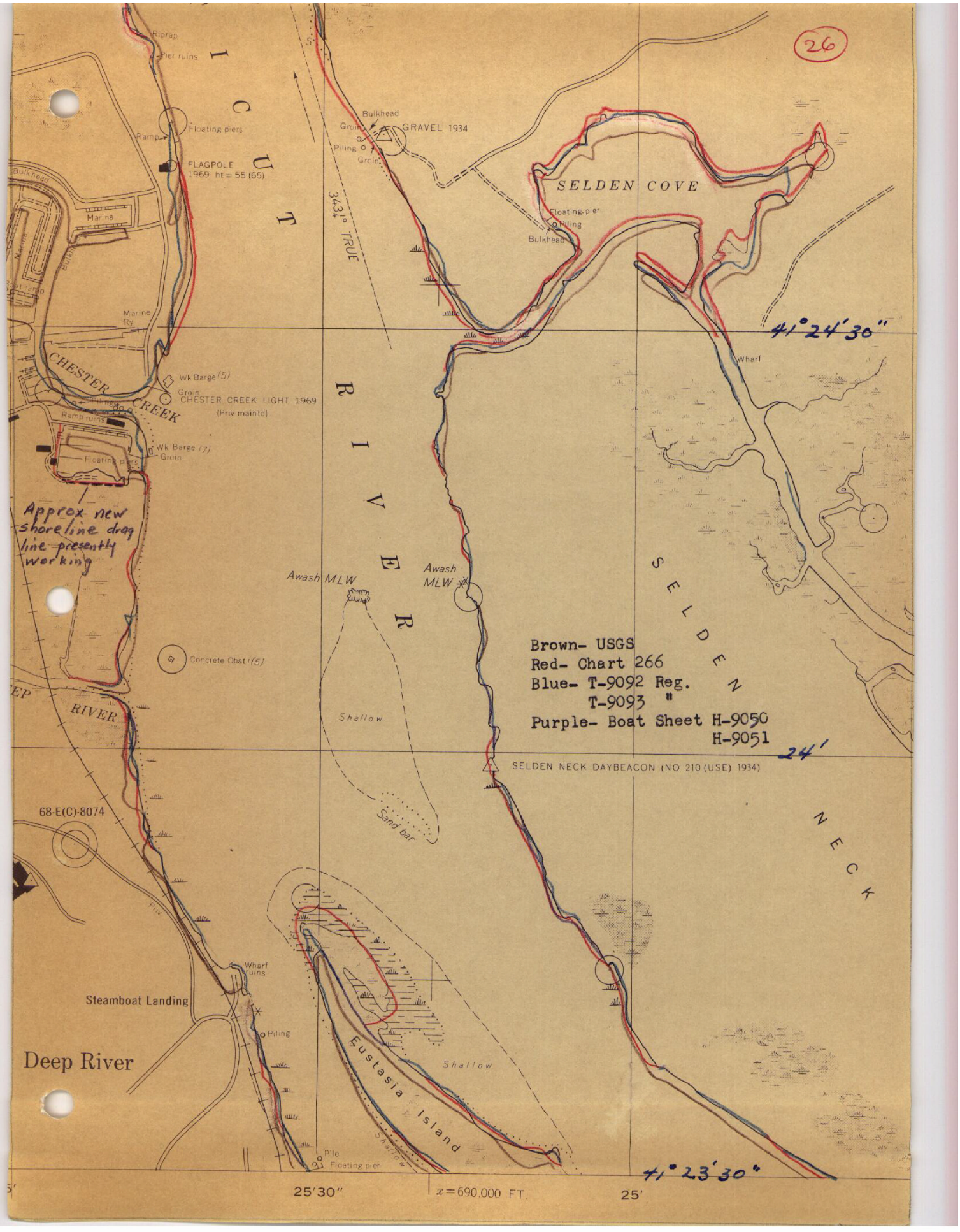
Approved:

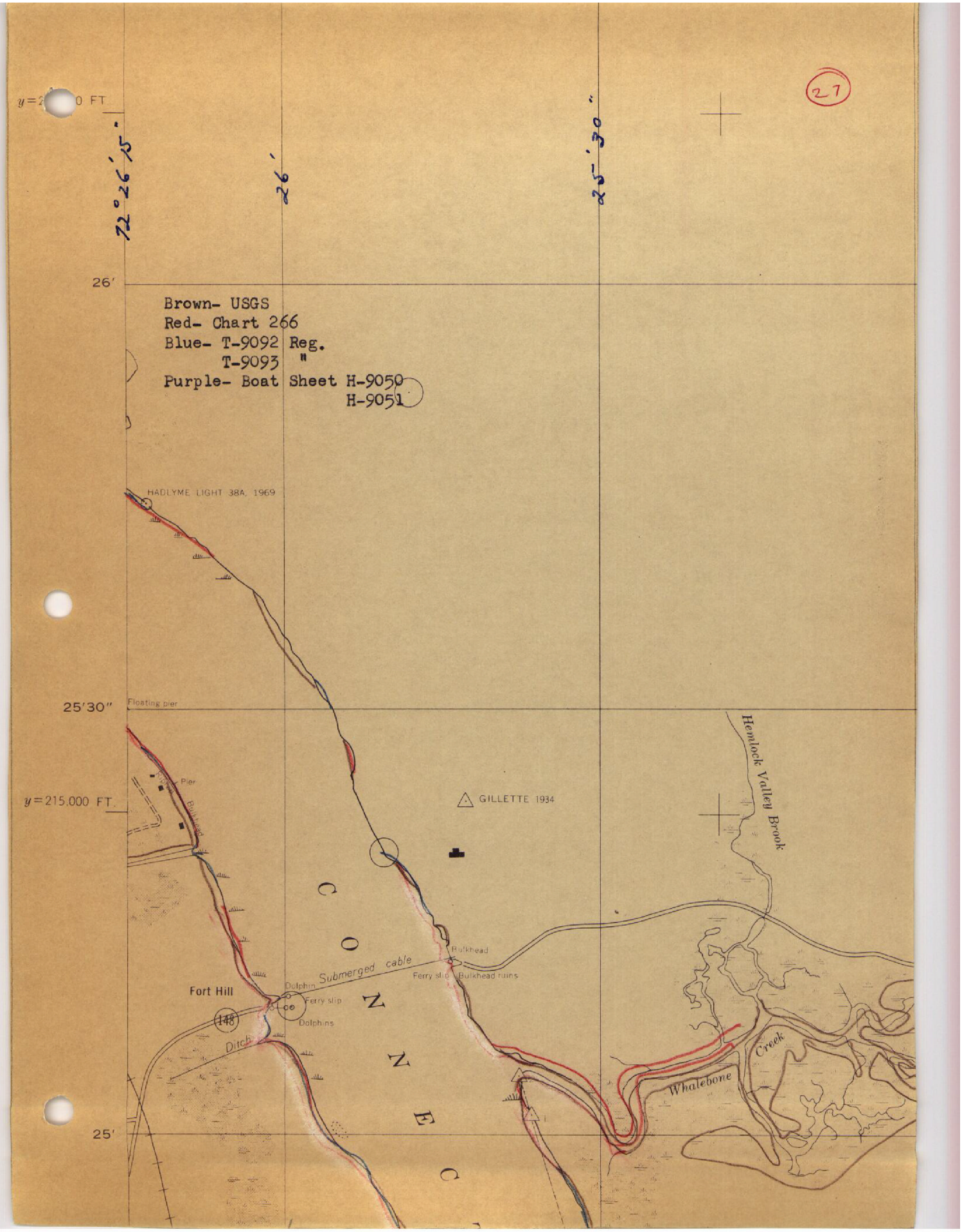
Alfred C. Holmes
RADM, NOAA
Director, AMC

Approved:

Chief, Photogrammetric Branch AMD

Chief, Coastal Mapping Division


26
Riprap
Pier ruins
Floating piers
Ramp
FLAGPOLE
1969 ht = 55 (65)
Bulkhead
Marina
Marine Ry
CHESTER CREEK
Wk Barge (5)
Groin
CHESTER CREEK LIGHT 1969
(Priv maintd)
Ramp ruins
Wk Barge (7)
Floating piers
Approx new shoreline drag line presently working
Concrete Obstr (5)
RIVER
68-E(C)-8074
Priv
Wharf ruins
Steamboat Landing
Piling
Deep River
Pile
Floating pier
25'30"
x = 690,000 FT.
25'
I C U T
3434° TRUE
Bulkhead
Groin
GRAVEL 1934
Piling
Groin
SELDEN COVE
Floating pier
Piling
Bulkhead
41°24'30"
Wharf
R I V E R
Awash MLW
Awash MLW
Shallow
Sand bar
Brown- USGS
Red- Chart 266
Blue- T-9092 Reg.
T-9093 "
Purple- Boat Sheet H-9050
H-9051
24'
SELDEN NECK DAYBEACON (NO 210 (USE) 1934)
S E L D E N
N E C K
Shallow
Eustasia Island
Shallow
41°23'30"


27
72°26'15"
26'
25'30"
Brown- USGS
Red- Chart 266
Blue- T-9092 Reg.
T-9093 "
Purple- Boat Sheet H-9050
H-9051
HADLYME LIGHT 38A, 1969
Floating pier
25'30"
y=215,000 FT.
Pier
Bulkhead
GILLETTE 1934
Hemlock Valley Brook
CONNEC
Bulkhead
Submerged cable
Ferry slip
Bulkhead ruins
Fort Hill
Dolphin
Ferry slip
Dolphins
148
Ditch
Whalebone
Creek
25'

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ____________

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
266	11-21-74	Robt Heeley	Full ~~Part Before~~ After ~~Verification~~ FINAL Review ~~Inspection~~ Signed Via
(12377)			Drawing No. 23 CONSIDER ADEQUATELY APPLIED
215	11-21-74	Robt Heeley	Full ~~Part Before~~ After ~~Verification~~ FINAL Review ~~Inspection~~ Signed Via
(12375)			Drawing No. 26 CONSIDER ADEQUATELY APPLIED
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.