ORIGINAL

13308

13308

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-13308

Classification No. *Edition No.* 1

FIELD EDITED MAP

LOCALITY

State Connecticut

General Locality Connecticut River

Locality Haddam

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-13308

(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 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 ~~LOW WATER~~ 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):

Smith, 1862

LAT.:	LONG.:	
41°30'31.566" 973.8m	72°30'55.435" 1285.6m	[X] ADJUSTED [ ] UNADJUSTED

PLANE COORDINATES (IV):	STATE	ZONE
Y = 246,187.23 FT. X = 664,257,93 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

(2)

T-13308

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 THE FIELD EDIT REPORT (PAGE 18, HEADING 52)	
PROJECTION AND GRIDS RULED BY (IV): A. Bethea	DATE Nov. 21, 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 Feb. 27, 1969 March 18, 1969
CONTROL CHECKED BY (III): Aerotriangulation - J. Minton Triangulation - C. Bishop	DATE Feb. 27, 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 Reviewed By: C.H. Bishop	DATE 4/24/69 4/24/69
CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): A.C. Rauck, Jr.	DATE May 7, 1969
SCRIBING BY (III): Rockville Office	DATE 3/10/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation C. Bishop Field Edit R.E. Smith Scribing and Stick Up F. Margiotta	DATE May 13, 1969 June 1, 1970 7/22/72

REMARKS:

Field Edit By: Richard E. Kesselring DATE Oct. 14/1969

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

T-13308

(3)

CAMERA (KIND OR SOURCE) (III):
Type "E" Wild RC-8

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
68E(c)-7965-7968	October 1, 1968	11:03	1:40,000	1.3' Above M.L.W.
68E(c)-8000-8003	"	11:54	1:20,000	0.9' " "
68E(c)-8016-8018	"	12:20	"	0.8' " "

TIDE (III) Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: New London, Conn., State Pier		2.6'	3.1'
SUBORDINATE STATION: Haddam, Conn.		2.5'	3.0'
SUBORDINATE STATION:			

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

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 12	RECOVERED: 9	IDENTIFIED: 1
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 36393-P66

(4)

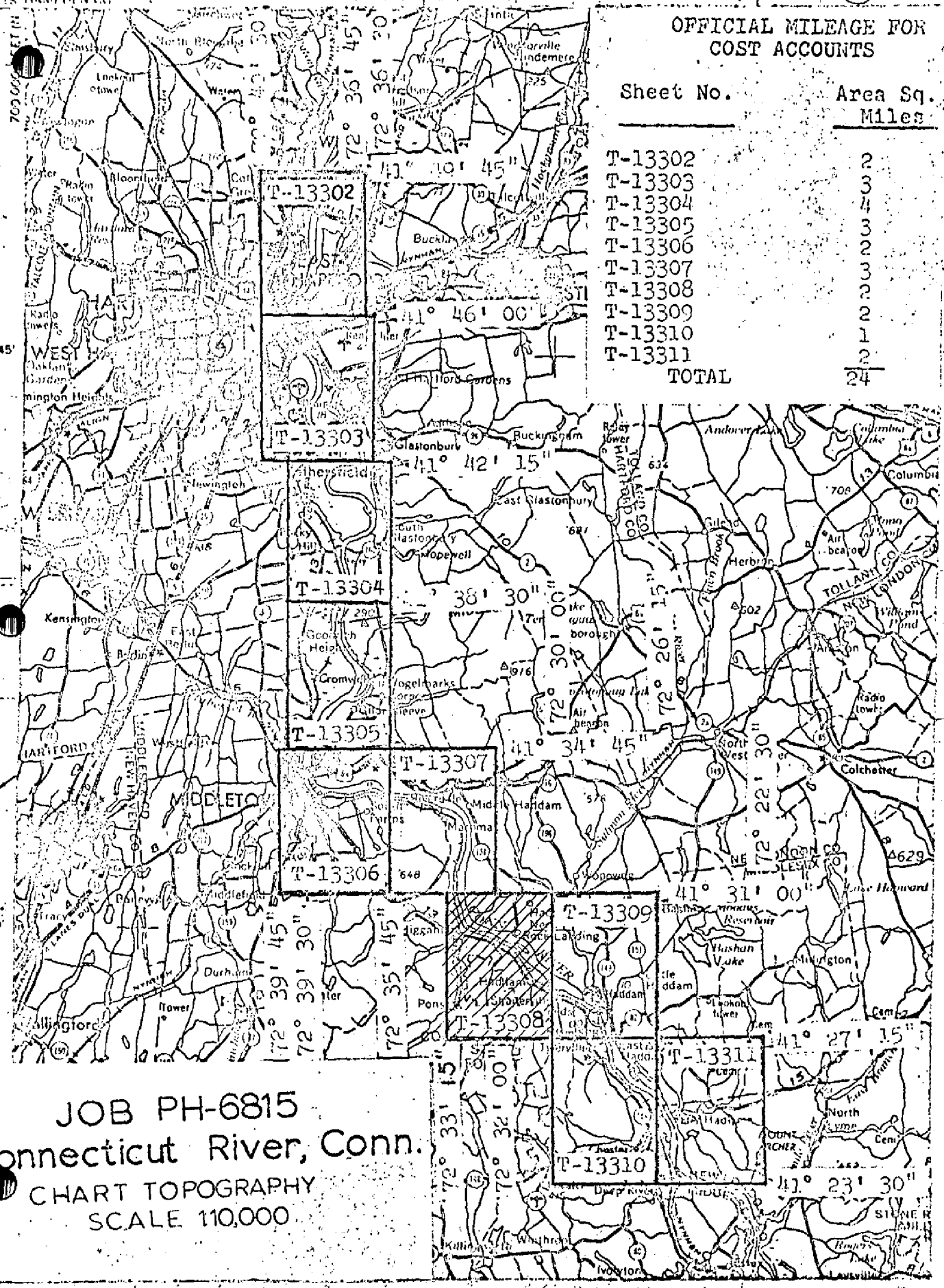
T-13308

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	May, 1969	Superseded
Field Edit Applied Compilation Complete	March, 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 ~~APPLIED~~ COMPLETED, 7/22/77

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



JOB PH-6815

Connecticut River, Conn.

CHART TOPOGRAPHY

SCALE 1:10,000

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	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

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-13308

Shoreline survey T-13308 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

PH-6815

T-13308

There was no field inspection prior to compilation.

(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°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 aerotriangulation 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,

IS

I. I. Saperstein

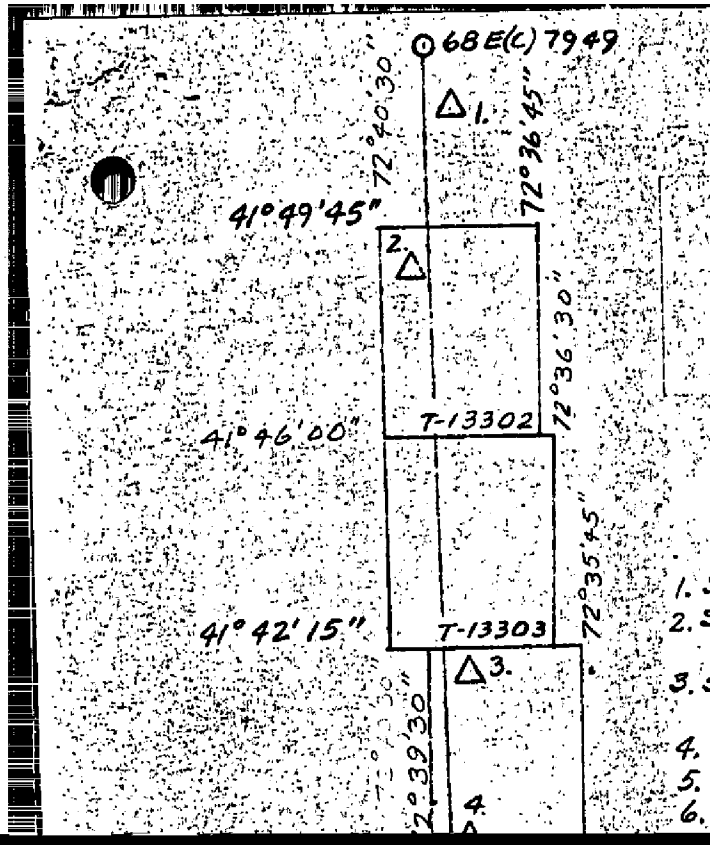
Approved and forwarded,

Chief, Aerotriangulation Section

Connecticut River, Connecticut
Job FH-6815

Notes to Compiler

It will be noted that many bridge points classified 500 e.g. 1950$ 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.



(10)

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

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- 13308 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)
Smith, 1862	Geo. Pos. Vol. 1, Pg. 108	N.A. 1927	41° 30' 31.566"	973.8	877.2
			72° 30' 55.435"	1285.6	105.8
Rock Landing, Front (Light) Range Light, 1915 (52A)	" " Vol.1, Pg. 184	"	41° 29' 49.657"	1532.0	319.0
			72° 31' 25.136"	583.0	808.7
Haddam Congregational Church, 1862	" " Vol.1, Pg. 182	"	41° 28' 45.350"	1399.0	452.0
			72° 30' 56.180"	1303.4	88.7
Darley's Chimney, 1934	" " Vol.1, Pg. 185	"	41° 29' 52.490"	16194	231.6
			72° 32' 29.866"	692.7	698.9
No. 174 (U.S.E.), 1934	" " Vol.1, Pg. 149	"	41° 29' 49.507"	1527.3	323.7
			72° 31' 25.226"	585.1	806.6
No. 178 (U.S.E.), 1934	" " Vol.1, Pg. 150	"	41° 29' 18.235"	562.5	1288.5
			72° 30' 37.921"	879.7	512.2
Grout, 1934	" " Vol.1, Pg. 150	"	41° 30' 04.143"	127.8	1723.2
			72° 33' 01.233"	28.6	1363.0
Park, 1934	" " Vol.1, Pg. 150	"	41° 30' 38.994"	1203.0	648.0
			72° 33' 09.373"	217.4	1174.0
Sears, 1934	" " Vol.1, Pg. 150	"	41° 30' 41.278"	1273.5	577.5
			72° 33' 26.920"	624.3	767.1

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

T-13308

31. DELINEATION

Compilation was by 1:40,000 scale models set in a Stereo- ~~the Wild B-8~~ plotter. Minute details were compared against the 1:10,000 scale ratio prints from the 1:20,000 contact prints, furnished for hydro support data. Where necessary, details were graphically corrected.

32. CONTROL

Control was adequate. Refer to Photogrammetric Plot Report, dated Jan. 15, 1969, specifically "Notes to Compiler".

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

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

35. SHORELINE AND ALONGSHORE DETAILS

Some areas of the mean high water line were obscured by overhanging trees. There were, however, enough intermittently scattered open areas to satisfactorily compile this feature within accuracy requirements.

The absence of field inspection left the completeness of shoreline structure compilation in doubt. Further inspection and verification of these details were requested of the field editor.

No mean low water lines were compiled.

Shoal and shallow lines were delineated from office interpretation of the low water photography, as an aid to the hydrographer.

36. OFFSHORE DETAILS

Several offshore craft, believed to be wrecks, were compiled and called to the attention of the field editor.

37. LANDMARKS AND AIDS

Forms 567 for four landmarks and seven nonfloating aids were submitted under date:

June 11, 1970

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions are in agreement to the north with T-13307 and to the east with T-13309. There are no contemporary surveys to the south and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

The field edit for this manuscript was well done and accomplished in a most clear and concise manner.

All questionable items on the field edit ozalid were answered and cross referenced to the color ratio prints in such detail as to leave no doubt concerning their clarity. The editor gave occasional measurements to the MHW line in order to clarify the proper delineation along those areas of overhanging trees, where the shoreline was difficult to see.

The verification of landmarks and aids were properly executed and forms 567 were submitted.

Edit notes were neat and easy to read and no difficulty was encountered in applying the edit.

(14)

42 through 45

Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following 1:24,000 scale U. S. Geological Survey Quadrangles: Haddam, CT, date of issue 1961, reprinted 1964; Middle Haddam, CT, date of issue 1961, reprinted 1964.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with U.S.C.&G.S. Chart No. 266, scale 1:20,000, 4th Edition dated Jan. 15, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:
Albert C. Rauck Jr.
Albert C. Rauck, Jr.
~~May 9, 1969~~
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

FINAL NAME SHEETS

Ph-6815 (Conn.)

T-13308

Axelson Brook

Clarkhurst

Connecticut River

Dublin Road

Haddam

Haddam Island

Higganum

Kriegers Brook

Middlesex Turnpike

Red Store Landing

Rock Landing

Scovill Rock

Station Hill Road

Swain Johnson Brook

49. NOTES FOR THE HYDROGRAPHER

Shoals and bars indicated on Chart 266, have not been compiled on this manuscript. They were not visible on the photography.

17

FORM C&GS-1002
(9-66)

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

PHOTOGRAMMETRIC OFFICE REVIEW

T-13308

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
CHB	CHB	CHB

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

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
CHB	CHB	CHB	CHB
16. AIDS TO NAVIGATION	**17. LANDMARKS**	**18. OTHER ALONGSHORE PHYSICAL FEATURES**	**19. OTHER ALONGSHORE CULTURAL FEATURES**
CHB	CHB	CHB	CHB

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANIMETRIC CONTOURS

FIELD EDIT REPORT
CONNECTICUT RIVER, CONN.
JOB PH-6815
MAP T-13308

52. ADEQUACY OF COMPILATION

Compilation was adequate. With the exception of the shoreline around Warners Quarry Dock and the area southeast of Red Store Landing there were no major shoreline changes. Warners Quarry Dock Light is on the bank of the river, not in the water as depicted. Higganum Light stands on a quarried granite, concrete capped base that forms part of the shoreline. Station Grout 1934, is on the same rock base as Higganum Light, about six feet easterly of the light, and about 4.0 feet inshore of the MHWL to the northwest, north and southeast.

An object compiled as "wreck", at Lat. 41° 29.8' Long. 72° 31.6', is actually an island. In actuality the island is probably a rock dike, constructed to prevent shoaling in the channel below Haddam Island. However, there are large trees and bushes growing on it and it appears as an island from the river. It should be so mapped.

The other compiled "wreck" was a work barge engaged in laying an underground cable across the river. It was not extant at the time of field edit and was deleted from the map manuscript.

Another object at Lat. 41° 29.8', Long. 72° 31.9', was not extant at the time of field edit and could not be identified as requested on the field edit ozalid. It was probably a barge, as it appears much to large for a houseboat. The object was deleted from the field edit ozalid.

The "underground pipeline", near the upstream end of Haddam Island, is, according to the warning signs, actually an underground cable. Another underground cable was layed just upstream of the one compiled. The shore ends were located on color photo 68E8002(c) and attention was drawn to it on the field edit ozalid.

The object in the center of the railroad bridge across Higganum Creek is the center bridge support. There is rock riprap piled around it and trees grow on the riprap.

Two wooden breakwaters were overlooked just upstream of Higganum Creek. The upstream breakwater is awash, the other is bare.

There is no "obstruction" in the middle of the river directly opposite Red Store Landing.

A group of old piling, possibly "pier ruins", was found at Lat. 41° 30.3', Long. 72° 33.0'. The piling are awash at MHW. The piling were visible on the color photos and were indicated and labeled thereon. Appropriate notes were made on the field edit ozalid.

Two fallen trees were compiled as "piers" and were deleted from the ozalid.

There is a log barricade in front of the gates at the water intake for the Connecticut Yankee Atomic Power Plant at the extreme southeasterly limits of the map.

A marine railway was overlooked at Rock Landing.

There is one public boat launching ramp on this map at Red Store Landing. Red Store Landing is now part of Haddam Meadows State Park.

The section of the New York, New Haven and Hartford Railroad, on this map, is abandoned. See the field edit report for T-11782 for further discussion on this subject.

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 four recommended nautical landmarks on this map. Three of them were office identified and compiled. The fourth is a "lookout tower" that is recommended in place of a previously charted "spire". The "lookout tower" is much more prominent than the "spire" which is practically concealed by trees during the summer months.

Two of the six compiled transmission towers were recommended as landmarks. They should be mapped as "downstream of three".

One additional landmark building was recommended.

All the landmarks were indexed on form 152, noted on the field edit ozalid and submitted on form 567.

There are seven fixed aids on this map. Four of them were office identified and compiled. The Rock Landing Range Lights have been moved upriver and are no longer triangulation - see form 526. They were located by traverse from NO. 174 (USE), 1934. A point on range can be computed for this range. Rock Point Landing Light 52A was formerly Rock Landing Front Range Light 1915. The 1934 recovery note, by G.C.M., places Light 52A in the same position as Rock Landing Front Range Light, 1915 - see form 526.

57. GEOGRAPHIC NAMES

No discrepancies were observed in the geographic names on this map. The Middlesex Turnpike is also Connecticut Highway 9A.

58. ROCKS AND SHOALS

There is only one important rock within the limits of this map that concerned the field editor. It is very close to the northerly limits of the sheet and bares about 1.0 foot at MLW. The rock was visible on color photo 68E8017(c) and was indicated and annotated thereon. Its approximate position was marked on the field edit ozalid. This rock was also located by the hydrographer during the 1969 hydrography.

A "pinnacle rock", in the vicinity of Haddom Island, was discovered by the hydrographer after a special investigation was called for by Mr. Earl E. Maxfield, a senior river pilot.

The "pinnacle" is very close to the edge of the channel and is an important hazard, but as it is submerged 12.0 feet at MLW, it is mentioned here merely to bring its attention to the compiler. NOTE: The Corps of Engineers has, or is, contemplating removal of this hazard with explosives.

One or two rocks that were practically in the foreshore were located by the field editor on the color photographs. Appropriate notes were made on the field edit ozalid.

A major shoal was delineated near the northerly limits of the sheet. This shoal bares up to a foot at MLW. The "shallow" area around the "shoal" is covered 2.0 feet or less at MLW.

A large portion of the "shallow" area at the upstream end of Haddam Island is bare or awash at MLW. The awash areas were indicated by dashed lines on the color photos and outlined, approximately, on the field edit ozalid. A large "shallow" and an "awash" area were overlooked during compilation near the downstream end of Haddam Island. These areas were treated in the manner described above.

59. PHOTOGRAPHY

Photography consisted of black and white copies of color photography and color photographs. The color photography was utilized exclusively for the field

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

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TWO

Atlantic Marine Center, May 28, 1970

wing objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charts indicated.

een checked after listing by Charles H. Bishop

Charles H. Bishop

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

ON	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
K LANDING												
n steel tower tand atop		41 30	11.44 353	72 30	51.74 1200	N.A. 1927	Photo. T13308	10/8/69	x			266
leton steel trans- ver.ht=200(240)ft.		41 30	41.46 1279	72 33	06.51 151	"	"	10/22/69	x			266
eton steel st) tower		41 30	39.32 1213	72 33	28.93 671	"	"	"	x			266
green dome her vane atop ft. (Haddam urch 1862)	the	41 28	45.350 1399.07	72 30	56.180 1303.4	"	Triang. "	10/8/69	x			266

cordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted igation, if redetermined, shall be teported on this form. Revisions shall show both the old and new positions. The data should be nd not by individual field survey sheets. Information under each column heading should be given.

R.J. Pate

USCOMM-DC 36485-P68

FORM C&GS-567
(5-66)

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

NONFLOATING AIDS ~~AND LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~CHANGED~~
~~TO BE DISCARDED~~
} STRIKE OUT TWO

Atlantic Marine Center May 28, 1970

I recommend that the following objects which have ~~been~~ 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, AMC *Chief of Party.*

STATE CONNECTICUT

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	POSITION LATITUDE* ″ D.M. METERS	POSITION LONGITUDE* ° ′	POSITION LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LONG ISLAND SOUND CONNECTICUT RIVER			32.97		05.30							
LIGHT 51	Warners Quarry Dock Light		41 28	~~39.97~~ 1017	72 30	~~05.29~~ 123	N.A. 1927	Photo. T13308	6/4/69	x			266
LIGHT 52	Haddam Island Range Rear		41 29	35.62 1099	72 30	47.43 1100	"	"	"	x			266
LIGHT 52	Haddam Island Range Front		41 29	36.30 1120	72 30	49.92 1158	"	"	"	x			266
LIGHT 52A	Rock Landing Point Light (Rock Landing Front Range Light 1915)		41 29	49.657 1532.0	72 31	25.136 583.0	"	Triang. "	"	x			266
LIGHT 54	Rock Landing Range Rear		41 29	51.93 1602	72 31	25.29 587	"	Theod. "	"	x			266
LIGHT 54	Rock Landing Range Front		41 29	52.08 1607	72 31	26.75 621	"	"	"	x			266
LIGHT 55	Higganum Light		41 30	04.15 128	72 33	01.29 30	"	Photo. "	"	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.

* TABULATE SECONDS AND METERS

RJP

USCOMM-DC 36485-P66

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U.S. DEPARTMENT OF COMMERCE
ENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEO C SURVEY

~~AIDS OR~~ LANDMARKS FOR CHARTS

Atlantic Marine Center May 28, 19 70

~~(have not)~~ been inspected from seaward to determine their value as landmarks be

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

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

L	POSITION				DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE *		LONGITUDE *								
	° ′	″ D.M. METERS	° ′	″ D.P. METERS							
	41 30.0		72 30.7		N. A. 1927	T13308	9/30/69	x			266
	41 30.4		72 32.8		"	"	10/24/69	x			266

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

L. R. Pate

USCOMM-DC-36489-P66

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(24)

REVIEW REPORT T-13308

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-9091, July, 1952, at 1:10,000 scale. Discrepancies are noted on the comparison print in blue.

The shoreline of these surveys is superseded by T-13308 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheet H-9052 10/5/69, 1:10,000 scale. The source of the shoreline appears to be the incomplete manuscript of T-13308. The differences are noted on the comparison sheet in purple.

65. COMPARISON WITH NAUTICAL CHARTS

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

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
Cartographer

Approved for forwarding:

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

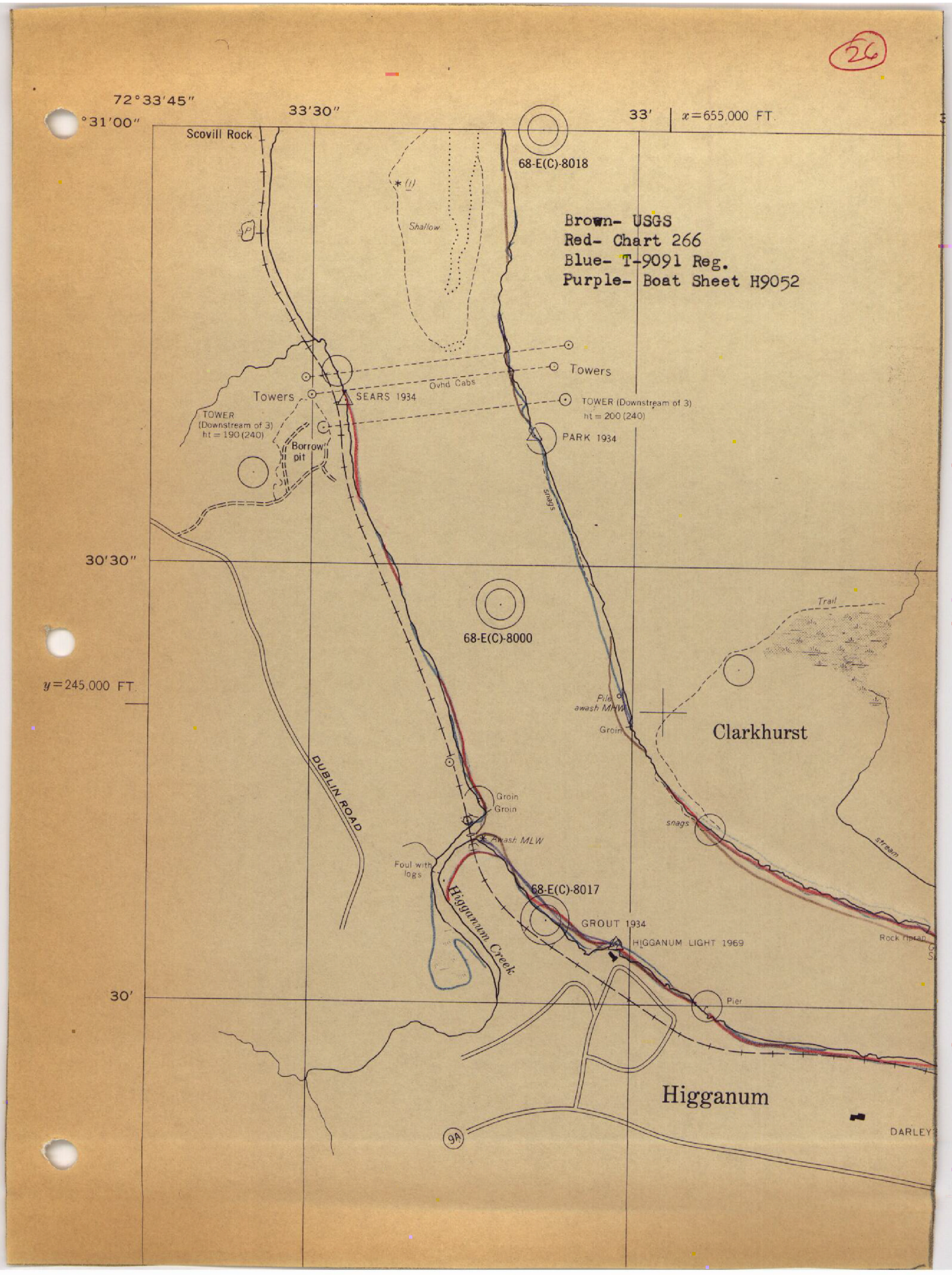
Approved:

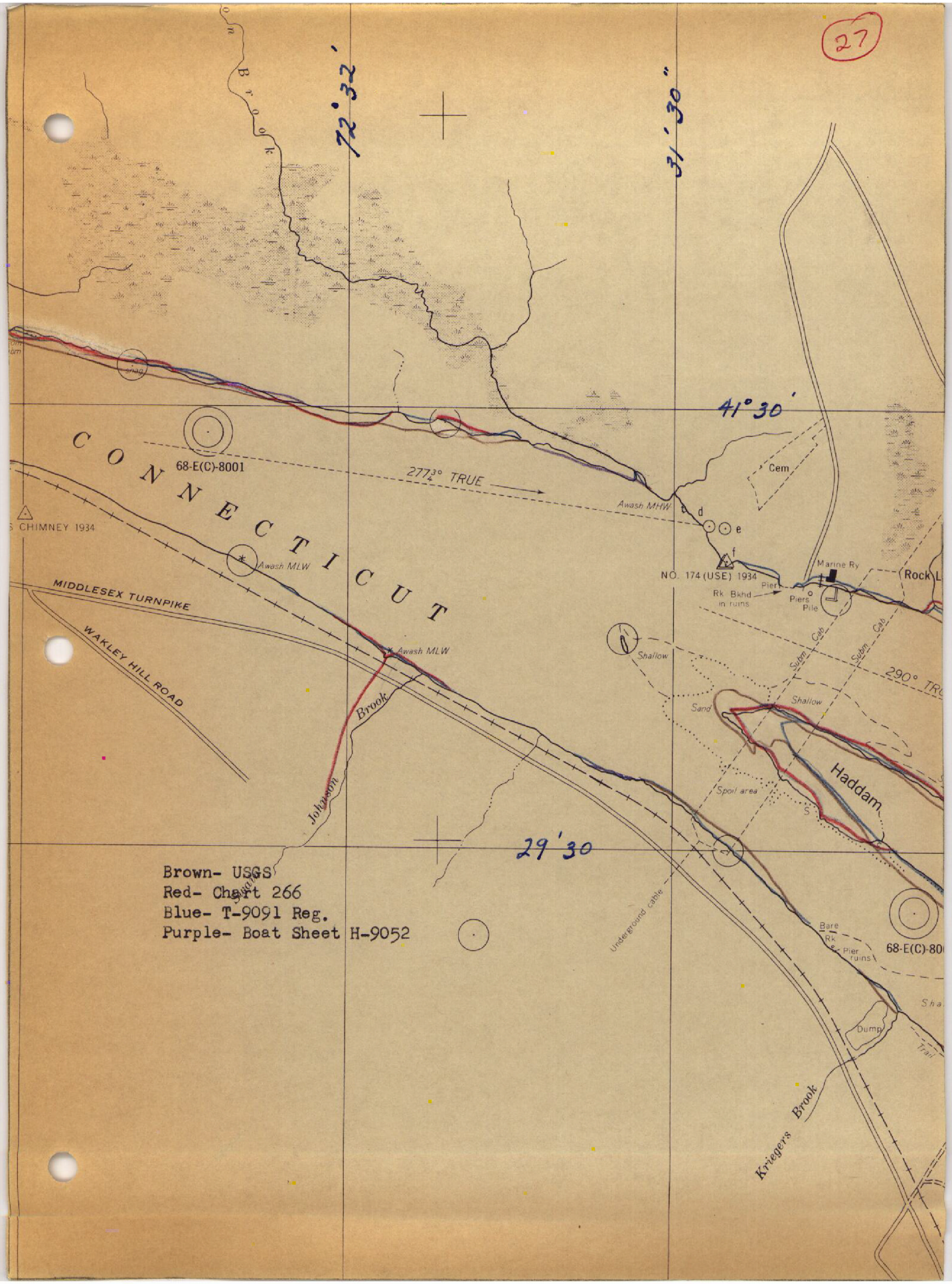
Alfred C. Holmes
RADM, NOAA
Director, AMC

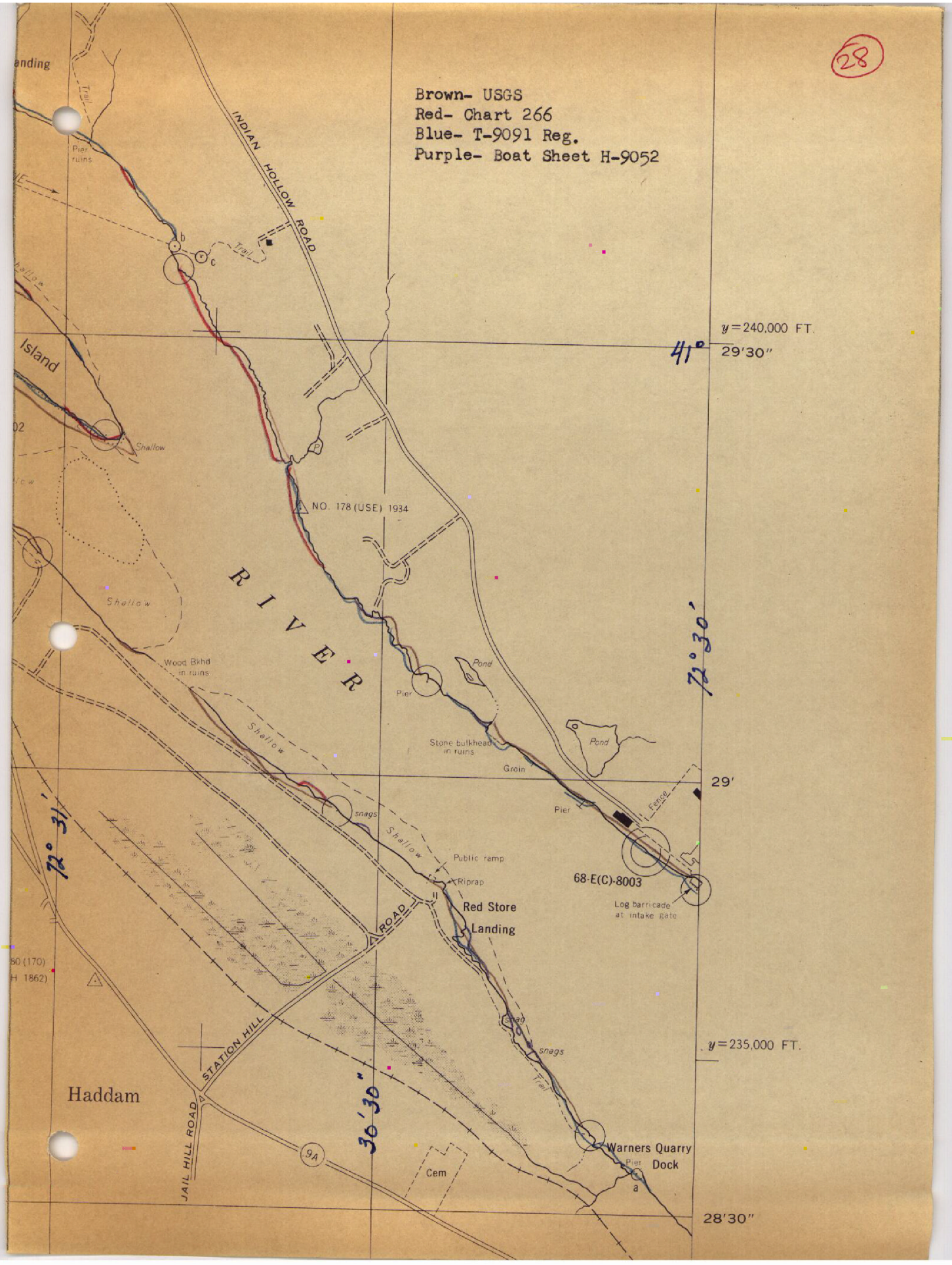
Approved:

Chief, Photogrammetric Branch, MD

Chief, Coastal Mapping Division


72°33'45"
33'30"
33'
x=655,000 FT.
°31'00"
30'30"
30'
y=245,000 FT.
Scovill Rock
68-E(C)-8018
Shallow
Brown- USGS
Red- Chart 266
Blue- T-9091 Reg.
Purple- Boat Sheet H9052
Towers
Towers
Ovhd Cabs
SEARS 1934
TOWER (Downstream of 3) ht = 200 (240)
TOWER (Downstream of 3) ht = 190 (240)
Borrow pit
PARK 1934
snags
68-E(C)-8000
Trail
Pile awash MHW
Groin
Clarkhurst
DUBLIN ROAD
Groin
Groin
awash MLW
snags
stream
Foul with logs
68-E(C)-8017
GROUT 1934
HIGGANUM LIGHT 1969
Higganum Creek
Rock riprap
Pier
Higganum
9A
DARLEY


27
72°32'
31'30"
41°30'
29'30
CONNECTICUT
68-E(C)-8001
277½° TRUE
Awash MHW
Awash MLW
Awash MLW
CHIMNEY 1934
NO. 174 (USE) 1934
Marine Ry
Rock L
Cem
Rk Bkhd in ruins
Pier
Piers
Pile
MIDDLESEX TURNPIKE
WAKLEY HILL ROAD
Brook
Johnson
Shallow
Subm Cab
Subm Cab
290° TRU
Sand
Shallow
Haddam
Spoil area
Underground cable
Bare Rk
Pier ruins
68-E(C)-80
Dump
Trail
Kriegers Brook
Brown- USGS
Red- Chart 266
Blue- T-9091 Reg.
Purple- Boat Sheet H-9052


28
Brown- USGS
Red- Chart 266
Blue- T-9091 Reg.
Purple- Boat Sheet H-9052
INDIAN HOLLOW ROAD
Trail
Pier ruins
Island
Shallow
NO. 178 (USE) 1934
RIVER
Wood Bkhd in ruins
Pond
Pier
Stone bulkhead in ruins
Groin
Fence
snags
Public ramp
Riprap
68-E(C)-8003
Log barricade at intake gate
Red Store Landing
ROAD
STATION HILL
JAIL HILL ROAD
Haddam
Cem
Warners Quarry
Dock
y=240,000 FT.
41°
29'30"
72°30'
29'
72°31'
30'30"
y=235,000 FT.
28'30"

FORM C&GS-8352
(9-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

T-13308

[redacted]