

13309

13309

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-13309.....

Classification No. Edition No. 1.....

FIELD EDITED MAP

LOCALITY

State Connecticut.....

General Locality Connecticut River.....

Locality Salmon Cove.....

1968 TO 1969

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-13309

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~~ ^{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.:

41°30'31.566" 973.8m

LONG.:

72°30'55.435" 1285.6m

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 246,187.23 FT.

x = 664,257.93 FT.

STATE

Connecticut

ZONE

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

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

DESCRIPTIVE REPORT - DATA RECORD

T-13309

(2)

FIELD INSPECTION BY (III): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - Oct. 1, 1968 Date of Photography REFER TO THE FIELD EDIT REPORT (PAGE 19, HEADING 52)		
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. Steinberg Triangulation - None		DATE Feb. 26, 1969
CONTROL CHECKED BY (III): Aerotriangulation - J. Minton Triangulation - None		DATE Feb. 26, 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: A.C. Rauck & C. Bishop	DATE 4/22/69 4/22/69
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): A.C. Rauck, Jr.		DATE April 30, 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 12, 1969 6/1/70 7/21/72
REMARKS: Field Edit By: Richard E. Kesselring DATE Oct. 9/1969		

DESCRIPTIVE REPORT - DATA RECORD

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3

CAMERA (KIND OR SOURCE) (III):

Type "E" Wild RC-8

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
68E(c)-8004-8006	Oct. 1, 1968	11:56	1:20,000	0.9' Above M.L.W.
68E(c)-8069-8070	"	13:22	"	0.5' " "
68E(c)-7967-7969	"	11:03	1:40,000	1.3' " "

Predicted TIDE (III)

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

3

RECOVERED:

3

IDENTIFIED:

2

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

None

RECOVERED:

None

IDENTIFIED:

None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

4

T-13309

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	April, 1969	Superseded
Field Edit Applied Compilation Complete	April, 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, 7/21/72

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

HARTFORD CO.

5

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

JOB PH-6815
Connecticut River, Conn.

CHART TOPOGRAPHY
SCALE 110,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-13309

Shoreline survey T-13309 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~~ ^{Stereo - and graphic methods} 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-13309

There was no field inspection prior to compilation.

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 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,

I. I. Saperstein

Approved and forwarded,

Chief, Aerotriangulation Section

Connecticut River, Connecticut
Job PH-6815

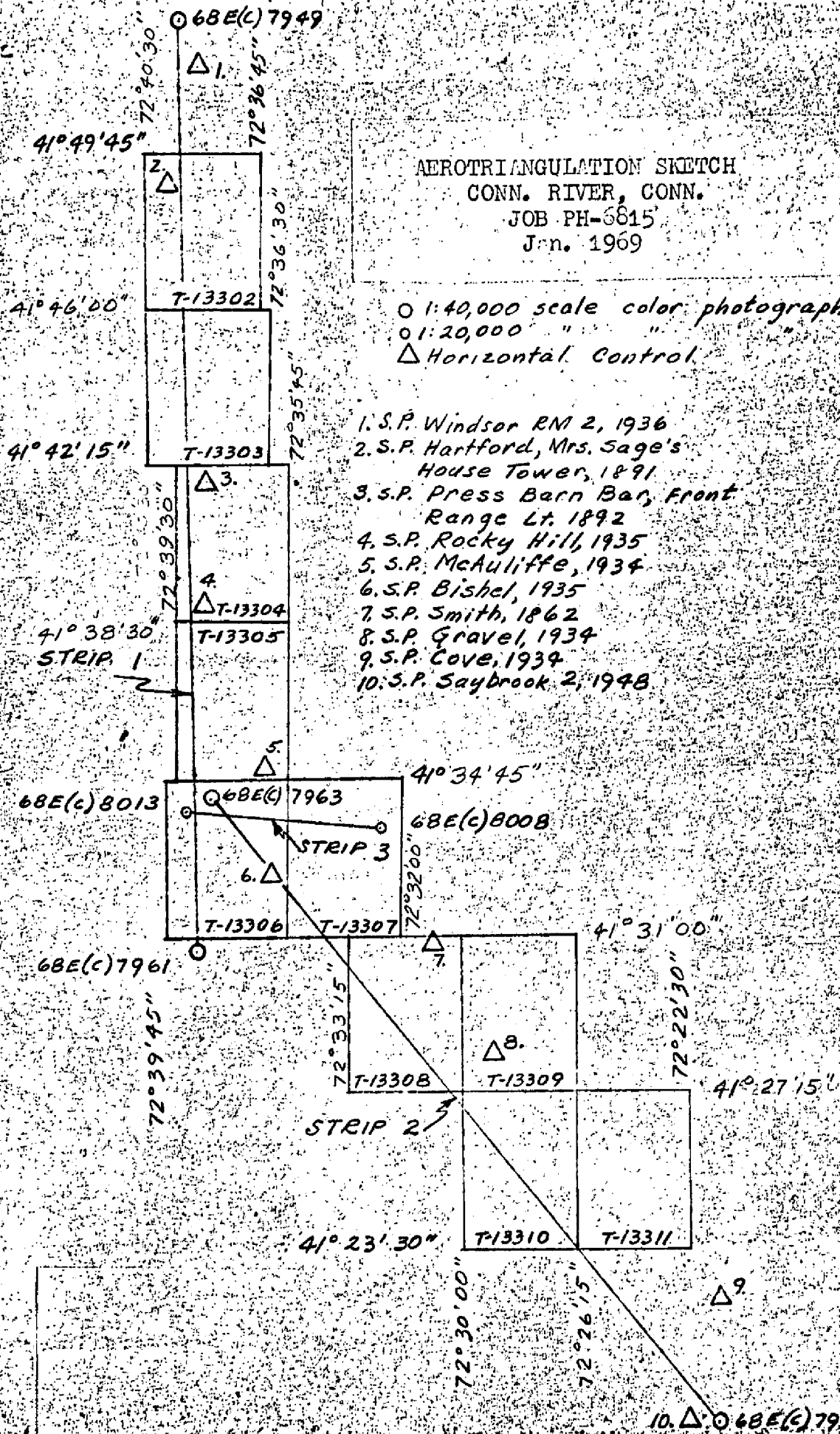
Notes to Compiler

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
△ 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



MAP T-13309

PROJECT NO. PH-6815

SCALE OF MAP 1:10,000

None
SCALE FACTOR[illegible]

COMPUTED BY R.R. White

DATE	TIME	LOCATION	REMARKS
Feb. 19, 1970			

CHECKED BY A.C.R.

DATE 2/19/70

COMPILATION REPORT

T-13309

31. DELINEATION

Stereo - p/otter
Compilation was by Wild-B-8, supplemented by graphic refinement of details from 1:10,000 scale ratios.

p/otter
Models set on the Wild-B-8 were at 1:40,000 scale and were compiled at 1:10,000 scale. Minute details were then checked against the 1:10,000 ratio prints made from 1:20,000 contact photos, and graphically corrected where necessary.

32. CONTROL

Control was adequate. Refer to Photogrammetric Plot Report, dated January 16, 1969, specifically "Notes to Compiler".

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

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

35. SHORELINE AND ALONGSHORE DETAILS

Along a few areas of the shoreline, tree overhang made positive identification of the mean high water line and along-shore structures difficult in a few instances.

However, there were enough open, and scattered sections of shoreline visible to compile these features within accuracy requirements.

Inasmuch as there was no field inspection prior to the compilation, further clarification of these features were asked of the field editor.

Low water lines, and grass in water areas were delineated from office interpretation of the low-water photographs. These were compiled as an aid to the hydrographer.

COMPILATION REPORT

T-13309

31. DELINEATION

Compilation was by ~~Wild B-8~~ ^{Stereo-plotter}, supplemented by graphic refinement of details from 1:10,000 scale ratios.

Models set on the ~~Wild B-8~~ ^{Plotter} were at 1:40,000 scale and were compiled at 1:10,000 scale. Minute details were then checked against the 1:10,000 ratio prints made from 1:20,000 contact photos, and graphically corrected where necessary.

32. CONTROL

Control was adequate. Refer to Photogrammetric Plot Report, dated January 16, 1969, specifically "Notes to Compiler".

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

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

35. SHORELINE AND ALONGSHORE DETAILS

Along a few areas of the shoreline, tree overhang made positive identification of the mean high water line and along-shore structures difficult in a few instances.

However, there were enough open, and scattered sections of shoreline visible to compile these features within accuracy requirements.

Inasmuch as there was no field inspection prior to the compilation, further clarification of these features were asked of the field editor.

Low water lines, and grass in water areas were delineated from office interpretation of the ~~low-water~~ photographs. These were compiled as an aid to the hydrographer.

This Field Edit was well done. There was only one instance where additional information would have been most useful. On the East shore of the Connecticut River, just North of the East Haddam Transmission Tower, is a small Marina or docking area. Field edit indicated this as a rock RIPRAP feature with an abundance of piling in the vicinity. Inasmuch as the area was obscured by overhanging trees, the compiler had difficulty in delineating the feature. An accompanying sketch by the field editor would have been helpful.

42 through 45

Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following U.S. Geological Survey Quadrangle: Deep River, Connecticut; scale 1:24,000, date of issue 1961 reprinted 1964.

One notable large change has been made since the publication of this quadrangle. On the north shore of the Connecticut River in the vicinity of Haddam Neck, a large structure believed to be a power station and its accompanying large outfall canal has been developed. This does not appear on the quadrangle.

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.

The same large differences were noted during this comparison as were noted under item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

See Item 46 COMPARISON WITH EXISTING MAPS.

ITEMS TO BE CARRIED FORWARD

None

Respectfully submitted:

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.

~~May 7, 1969~~

June 11, 1970

Approved for forwarding:

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

Approved:



Alfred C. Holmes
RADM, NOAA
Director, AMC

OCT 4 1972

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-6815 (Conn.)

T-13309

Camp Bethel

Orchard Road

Cones Point

Outfall Canal

Connecticut River

Pine Brook

Plains Road

Cove Meadow

Rutty Creek

Cove Road

Salmon Cove

East Haddam

Salmon River

Haddam Neck

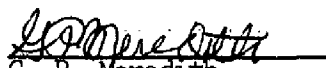
Shailerville

Mill Creek

Scovill Landing

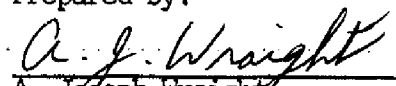
Moodus River

Approved:



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

Prepared by:



A. Joseph Wraight
Chief Geographer

T-13309

49. NOTES FOR THE HYDROGRAPHER

Shoals and bars indicated on Chart 266 have not been compiled on this manuscript. These could not be seen on the photographs.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 13309

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
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) CHB		7. PHOTO HYDRO STATIONS CHB
8. BENCH MARKS CHB	9. PLOTTING OF SEXTANT FIXES RES	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	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 CHB		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES CHB
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 RES	39. FORMS RES
40. REVIEWER Charles C. Bishop		DATE 5/12/69	
		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 A.C. Rauck, Jr.		APRIL 3, 1970	
Reviewer: R.E. Smith		6/1/70	
		SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS Field Edit Applied From:- Field Edit Ozalid and The Following Color Ratio Photos: - 68E(c)-8004 thru 8006.			

(19)

FIELD EDIT REPORT
CONNECTICUT RIVER, CONN.
JOB PH-6815
MAP T-13309

52. ADEQUACY OF COMPILATION

Compilation was adequate. There were numerous minor shoreline changes, but none of any major importance. All changes were indicated on the field edit ozalid and cross-referenced to the proper photograph.

A marine railway was overlooked at the downstream one of the two marinas on the map and a "boat lift" was incorrectly mapped as a "slip" at the upstream one. A dolphin was not mapped near the same boat lift. The outlet canal for the Connecticut Yankee Atomic Power Plant has a log barricade across the entrance to prohibit entry to boats. It was correctly delineated, though unlabeled, on the manuscript. The temperature of the water is raised twenty degrees Fahrenheit by the power plant's use of it.

There is a public boat launching ramp near the entrance to Salmon Cove.

The two objects compiled in the vicinity of East Haddam Light 46 are floating aids for navigation - black can buoys numbers 45 and 47.

A question was raised near a "bulkheaded" area, at Lat. 41° 27.7', Long. 72° 27.9', about a number of small piers that were charted previously. No piers were extant in the indicated area at the time of field edit, nor were they observed during photo-hydro support. There are, however, a number of piling in the vicinity seven in the offshore row, eleven in the shoreward row, so it is very likely that the area once contained a floating pier complex. The piling were visible on the color photographs and were indicated thereon. Attention was drawn to them on the field edit ozalid. The area that contains the piling is erroneously labeled "bulkhead". There are no bulkheads in the vicinity. The area does contain, however, a rock revetment, mistakenly labeled "riprap", by the field editor, on the field edit ozalid. It is hoped that the meaning is clear, as this same error occurs throughout the project area. It is, somehow, easier to write "riprap" than it is "revetment".

Several fairly extensive "swamp" areas were not compiled in the vicinity of Salmon Cove and the Salmon River. They were indicated by dashed lines on the color photographs and outlined, approximately, on the field edit ozalid.

The "grass in water" in Salmon Cove was correctly identified and delineated. It is the same type of grass, mixed with a few lily pads, that compose the marshes in the same area. This grass dies with the first frost, so that during the winter months, no "grass" is visible. Whether it is an annual or a perennial is not known. The field editor was unable to find any local residents who could classify it. It is believed that this grass is probably of the same family as Johnson grass (*Sorghum halepense*) as it is very similiar in appearance. It may also be switchgrass or panicgrass (*Panicum* genus).

A sample is enclosed with this report. The areas where the "grass in water" is found, generally bare or are awash at MLW.

The section of the New York, New Haven and Hartford Railroad on this map, is abandoned.

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 three recommended nautical landmarks on this sheet. All were office identified and compiled. They were verified and submitted on form 567. The two transmission towers near the southerly limits of the map were formerly triangulation stations Haddam View, Haddam Transmission Tower, West Side, 1934, and East Haddam, Transmission Tower, East Side, 1934. It is not known if the towers now extant are the same towers as located in 1934. Please check against the photo plot.

There are only two fixed aids within the limits of this map. Both were office identified and compiled. They were verified by the field editor and submitted on form 567.

57. GEOGRAPHIC NAMES

The road labeled Connecticut 9 is Connecticut Route 9A. No other discrepancies were found in the names on this map.

58. ROCKS AND SHOALS

There are no noteworthy rocks, shoals, or shallow areas on this map. The major part of Salmon Cove is "shallow" with 2.0 feet or less of water at MLW.

59. PHOTOGRAPHY

Photography consisted of black and white copies of color photography and color photographs. The color photography was utilized exclusively for the field edit. Shadows and overhanging tree limbs caused some difficulty in a few areas, but the photography was generally good and allowed ready discernment of small details.

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 9, 1969

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Atlantic Marine Center June 1, 1970

I recommend that the following objects which have ~~not~~ been inspected from seaward to determine their value as landmarks be charted on ~~these~~ 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				POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	NAD80 CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE #		LONGITUDE #		DATUM						
				° ' "	D.M. METERS	° ' "	D.P. METERS							
TOWER	EAST HADDAM													
	Grey, skelton, steel transmission tower with three cross arms (East Haddam, Transmission Tower, East Side, 1934) ht= 244(304) ft.			41 27	39.752	72 27	50.453	N.A.	1927	10/6/69				266
					1226.3		1170.9							
TOWER	Skeleton, steel tower, three cross arms and an A frame on top, grey color. (Haddam View, Haddam Transmission Tower, West Side 1934) ht=248(308) ft.			41 27	39.135	72 28	19.579	"		10/6/69	X			266
					1207.3		454.4							
REACTOR DOME	Atomic Reactor Dome, concrete ht=170(200) ft.			41 28	56.69	72 29	56.94	"		10/8/69	X			266
					1749		1321							

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

- R. J. P. / e

USCOMM-DC 36485-P66

NONFLOATING AIDS FOR LANDMARKS FOR CHARTS

TO BE CHARTED

TO BE REVISED

~~931-3738-38-01~~

STRIKE OUT TWO

Atlantic Marine Center

June 1, 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

Albert C. Rarick, Jr.

A. C. Rauck, Jr.

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, 7-18 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 be individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 36485-P66

REVIEW REPORT T-13309

SHORELINE

NOVEMBER, 1972

61. GENERAL STATEMENT

See summary report which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with T-9091 and T-9092, dated 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-13309 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangles Moodus, Connecticut, 1952, 1:24,000 and Deep River, CT, 1961, 1:24,000. Discrepancies are noted on the comparison ozalid in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheet H-9051, 10-4-69, 1:10,000 scale. The source of the shoreline appears to be the incomplete manuscript of T-13309. All differences are noted on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 266 Conn. River, Deep River to Bodkin Rock, dated March 25, 1972, and 1:20,000 scale. All 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

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 Branch¹⁶ Chief, Coastal Mapping Division

25

Brown- USGS
Red- Chart 266
Blue- T-9091 Reg.
T-9092 "
Purple- Boat Sheet H-9051

y=240,000 FT.

41° 29'30"

72° 30'

29° 30"

29'

29'

REACTOR DOME 1969 ht = 170 (200)

Power station

H a d d a m
N e c k

Flume
Spillway

Outfall

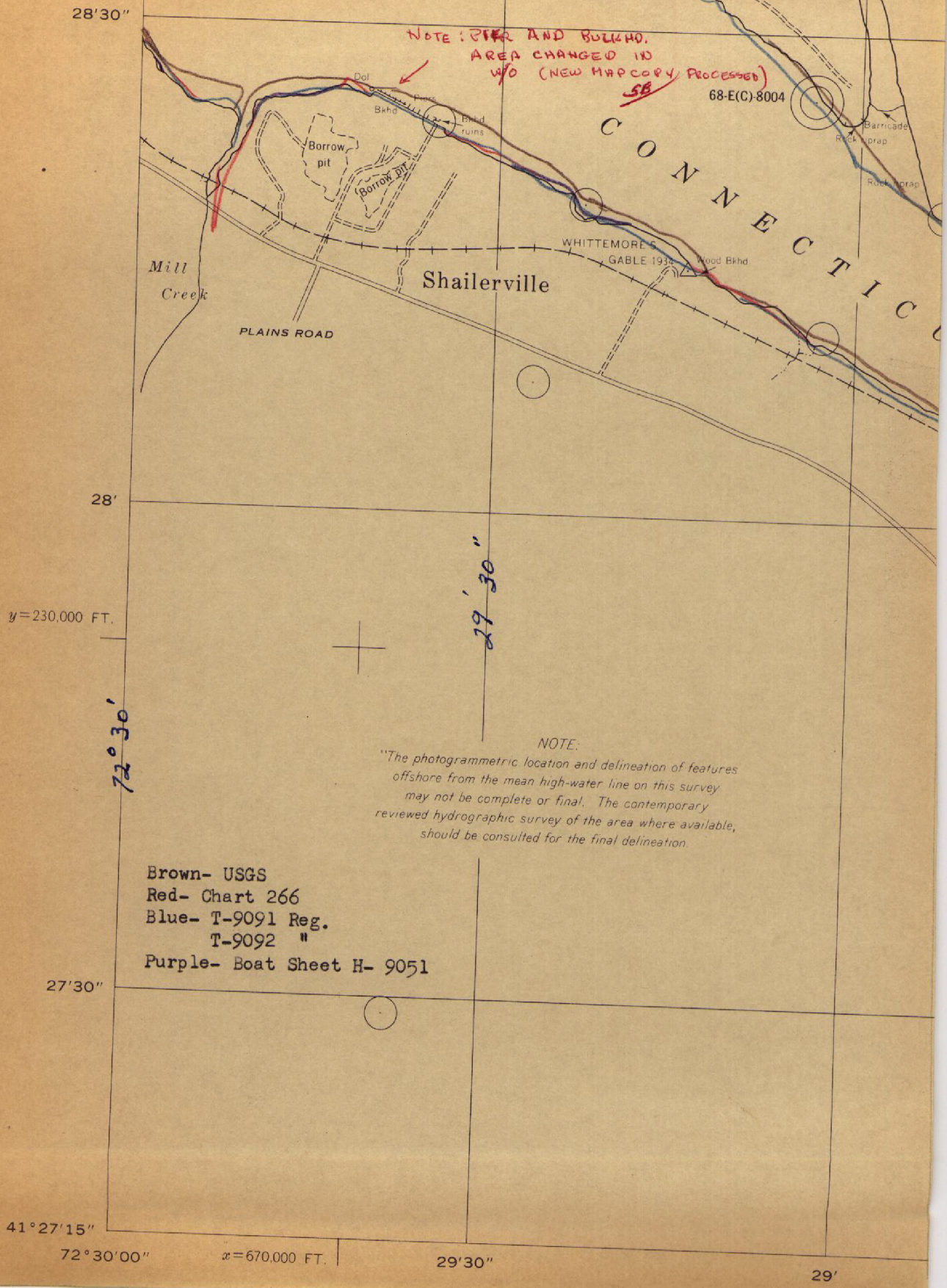
Canal

Priv

Pond

y=235,000 FT.

26



(27)

30'

Brown- USGS
Red- Cart 266
Blue- T-9091 Reg.
T-9092 "
Purple- Boat Sheet- H-9051

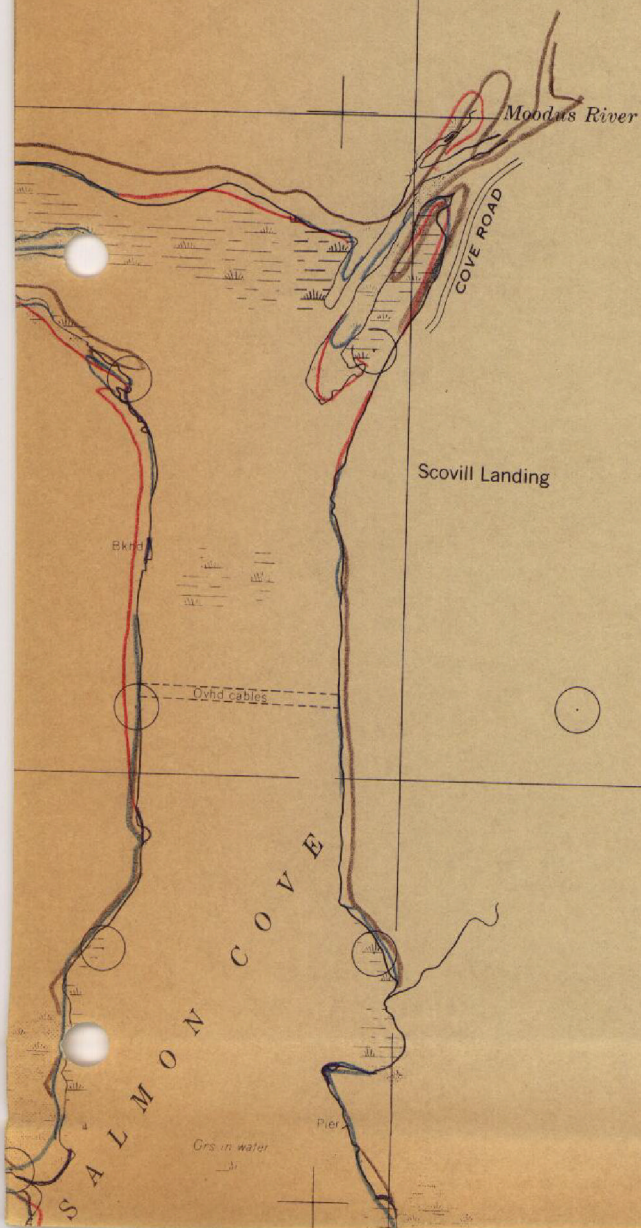
28'30"

72°28'

27'30"

29'30"

41°29'



Brown- USGS
Red- Chart 266
Blue- T-9091 Reg.
T-9092 "
Purple- Boat Sheet H-9051

28'30"

41°28'

27'30"

East Haddam

27'15"

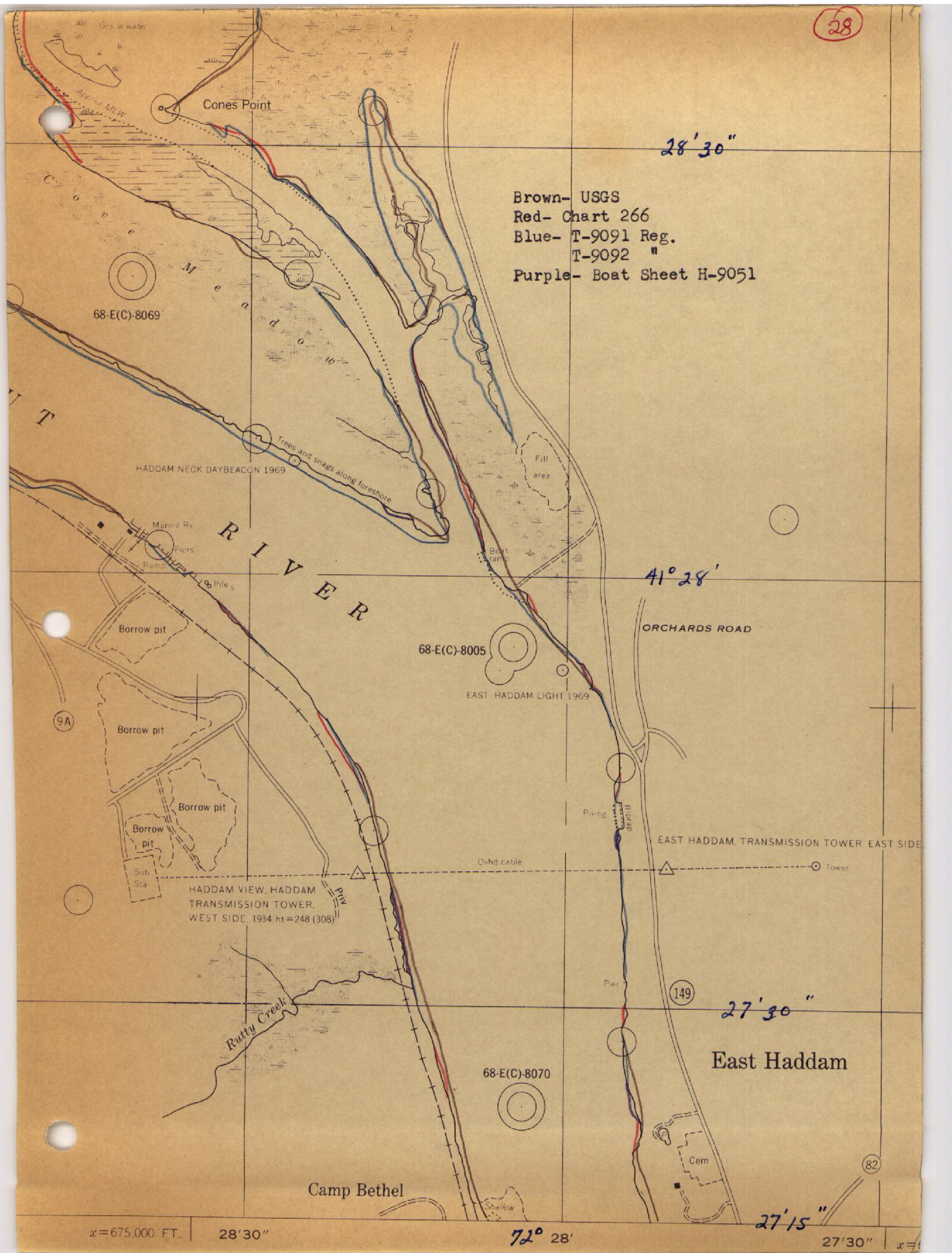
72° 28'

27'30"

x=

x=675,000 FT.

28'30"



[illegible]