

13304

13304

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. P.H.-6815 Map No. T-13304Classification No. Edition No. 1
Field Edited Map

LOCALITY

State ConnecticutGeneral Locality Connecticut RiverLocality Rocky Hill

19 68 TO 1969

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T -13304

①

JECT 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

E 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):

Rocky Hill, 1935

LAT.:

41°39'07.359"227.0m

LONG.:

72°38'37.720"872.8m

☒

ADJUSTED

☐

UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

y = 298,323.95 FT.

x = 629,021.29 FT.

Connecticut

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

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

DESCRIPTIVE REPORT - DATA RECORD

T-13304

FIELD INSPECTION BY (II): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - October 1, 1968 Date of Photography <i>REFER TO THE FIELD EDIT REPORT (HEADING 52, PAGE 17)</i>		
PROJECTION AND GRIDS RULED BY (IV): A. Bethea		DATE Nov. 19, 1968
PROJECTION AND GRIDS CHECKED BY (IV): L. Van Scoy		DATE Nov. 26, 1968
CONTROL PLOTTED BY (III): Aerotriangulation - J. Steinberg Triangulation - A.C. Rauck, Jr.		DATE March 3, 1969 March 17, 1969
CONTROL CHECKED BY (III): Aerotriangulation - J. Minton 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 Reviewed L.O. Neterer, Jr. By: C.H. Bishop	DATE May 14, 1969 May 14, 1969
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): A.C. Rauck, Jr.		DATE June 12, 1969
SCRIBING BY (III): J. Hinton		DATE Sept. 2, 1970
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation C. Bishop Field Edit R.E. Smith Scribing and Stick Up F. Margiotta		DATE June 17, 1969 5/28/70 July 20, 1972
REMARKS: Field Edit By: Richard E. Kesselring		DATE Nov. 3, 1969

DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

Type "E" Wild RC-8

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
68E(c)-7956-7957	Oct. 1, 1968	10:45	1:40,000	2.2' Above M.L.W.
68E(c)-8046-8049	"	12:49	1:20,000	1.5' " "

Predicted TIDE (III)

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: New London, Conn., State Pier			2.6'	3.1'
SUBORDINATE STATION: Rocky Hill, Conn.			1.7'	2.0'
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs		DATE: October, 1972		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 6	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				

T-13304

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	June 12, 1969	Superseded
Field Edit Applied Compilation Complete	March, 1970	SUPERSEDED * SEE BELOW
Final Review	October, 1972	

* CHART MAINTENANCE PRINT (ADVANCE MANUSCRIPT COPY)
FORWARDED TO MARINE CHART DIVISION ON JULY 17, 1970
SCRIBING AND STICK-UP COMPLETED ON JULY 20, 1972

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

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

CHART TOPOGRAPHY
SCALE 110,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-13304

Shoreline survey T- 13304 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.

Stereo 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.

2

FIELD INSPECTION REPORT PH-6815

T-13304

There was no field inspection prior to compilation.

(8)

Photogrammetric Plot Report
Job PH-6115
Conn. River, Conn.

January 16, 1969

21. Area Covered

This report covers the Connecticut River, Connecticut, from latitudes $41^{\circ}23'30''$ to $41^{\circ}49'45''$ and consists of ten (10) 1:10,000 scale T-sheets, T-13302 thru T-13311.

22. Method

Two (2) 1:40,000 scale and one (1) 1:20,000 scale strips of color photographs were bridged by analytical aero-triangulation methods.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments. Closure to horizontal control on Connecticut state plane coordinates are shown for each strip on the IBM readouts.

23. Adequacy of Control

All horizontal control was premarked and appeared on the photographs very clear. Strip 3 was controlled by ties from strip 2 and held very well.

24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the RC-8 "E" color photography were good. Coverage was adequate to compile all sheets.

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

Respectfully submitted,

/s/
I. I. Saperstein

Approved and Forwarded,

/s/
Chief, Aerotriangulation Section

Connecticut F r, Connecticut
Job -6815

⑨

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

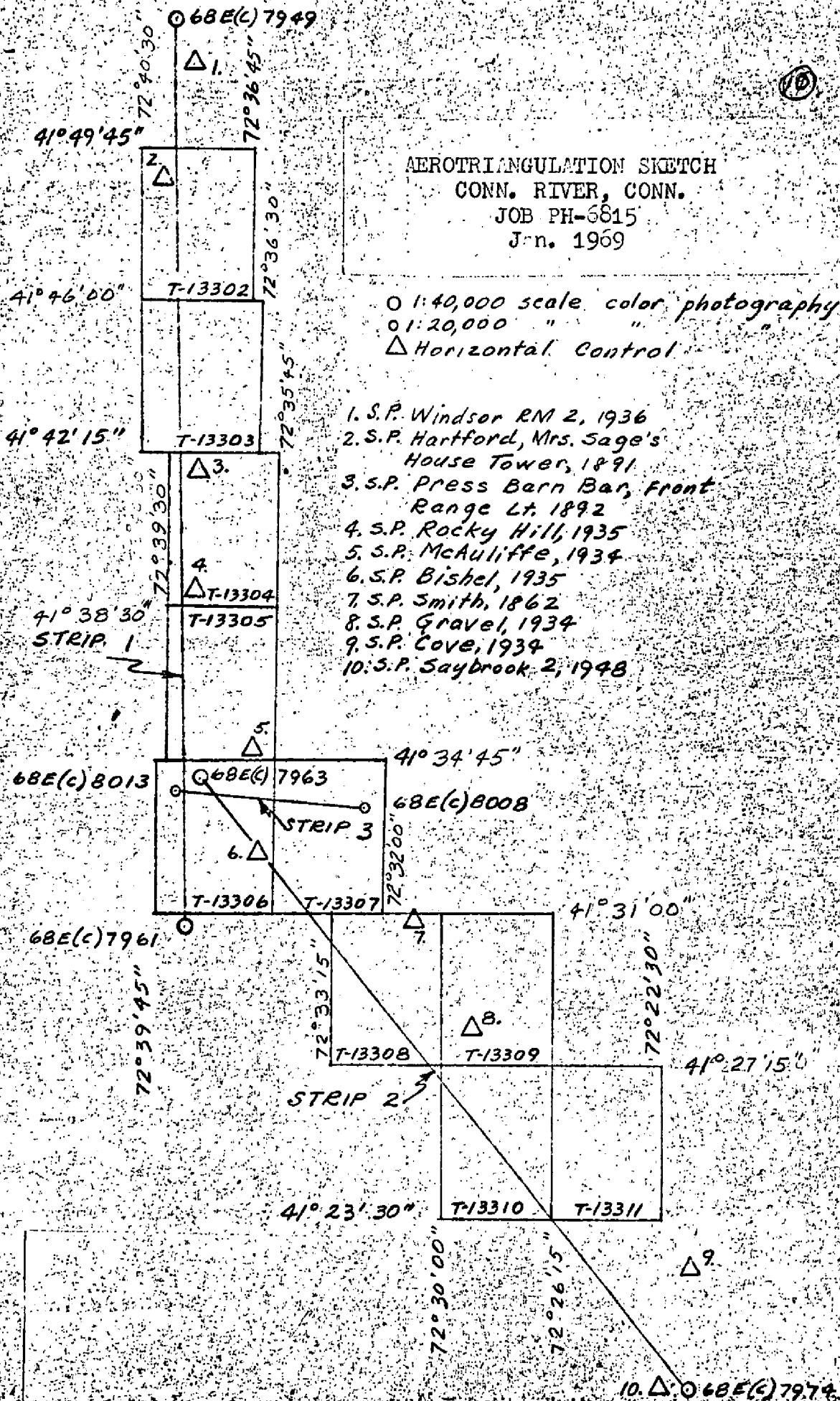
Jrn. 1969

0 1:40,000 scale color photography

0 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



DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13304 PROJECT NO. PH-6815 SCALE OF MAP 1:10,000 SCALE FACTOR None

[illegible]

COMPUTED BY	DATE	CHECKED BY	DATE
A.C. Rauck, Jr.	Jan. 30, 1969	CHB	3/17/69
R.R. White	Feb. 19, 1970	ACR	2/19/70

COMPILATION REPORT

T-13304

31. DELINEATION

Compilation was by Wild B-8 plotter utilizing 1:40,000 scale bridging models.

The 1:10,000 scale hydro support ratioed photos made from 1:20,000 scale photography was used to compare and refine details where necessary.

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

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

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline compilation is believed to be within accuracy requirements, although a few scattered areas of the shoreline was obscured by overhanging trees.

That there was no prior field inspection of the shoreline, left some doubt as to completeness. Questionable areas were brought to the attention of the field editor for his investigation.

Shallow areas and foreshore characteristics were delineated from office examination of the photographs. No mean low water lines or shoal areas were delineated.

36. OFFSHORE DETAILS

Piers, piles, dolphins and trees in water were compiled and brought to the attention of the field editor for his verification or identification.

37. LANDMARKS AND AIDS

In addition to those landmarks previously charted, several other tall structures were compiled and designated for field verification.

Forms 567 for landmarks and nonfloating aids were submitted under date May 18, 1970.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Agreeable and satisfactory junctions were made to the north with T-13303, and to the south with T-13305. There are no contemporary surveys to the east and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following 1:24,000 scale U. S. Geological Survey quadrangles: Glastonbury, CT; date of issue 1964, reprinted 1965. Hartford South, CT; date of issue 1964, reprinted 1966.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with U.S.C.&G.S. Chart No. 267, 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

Respectfully submitted:

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

~~June 13, 1969~~
May 18, 1970

Approved for forwarding:

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

Approved:

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

15

OCT 4 1972

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-6815 (Conn.)

T-13304

Belamose

~~Borrow Pit~~ *SK*

Connecticut River

Dividend Brook

Dividend Road

Dividend Pond

Glastonbury Avenue

Glastonbury Ferry

Glastonbury Meadows

Grindle Brook

Goff Brook

Hog Brook

Holland Brook

Hubbard Brook

Meadow Road

New York New Haven & Hartford (R.R.)

Roaring Brook

Rocky Hill

Second Lane

Tryon Street

Approved:

G. P. Meredith

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

Prepared by:

A. J. Wright

A. Joseph Wright
Chief Geographer

T-13304

49. NOTES FOR THE HYDROGRAPHER

Shoals, bars, and channels indicated on chart 267, have not been compiled on this manuscript. They are not visible on the photography.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 13304

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT Bridge-W.O.	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS CHB	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS CHB
40. REVIEWER C.H. Bishop (pre-hydro)		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr.	
DATE June, 17/69			
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.E. Smith		SUPERVISOR Albert C. Rauck, Jr.	
Reviewer: R.E. Smith		5/28/70	
43. REMARKS Field Edit Applied From: - Field Edit Ozalid, Field Edit Report, Field Edit Photographs NOS: 68-E(c)-8046 thru 8049			

FIELD EDIT REPORT
CONNECTICUT RIVER, CONN.
JOB PH-6815
MAP T-13304

(18)

52. ADEQUACY OF COMPILATION

Compilation was adequate. Overhanging tree limbs and heavy shadows caused numerous shoreline changes, but there were none of any major significance. Occasional measurements, from identifiable points, were made to the MHWL in the northerly portion of the sheet.

The MHWL, at Lat. $41^{\circ} 41.4'$, between Long. $71^{\circ} 36.9'$ and $71^{\circ} 37.5'$, is very irregular. This irregularness is caused by many piles of rocks along the shore. The rock piles are of no particular size or shape and have no regular spacing, but they are permanent, while the sand and mud between them erodes constantly. It is not known if rocks were placed in this particular location for a purpose, such as erosion control (Corps of Engineers), or if they were just dumped there when the fields in the area were cleared. They certainly don't appear to be entirely natural.

Several mooring buoys near Rocky Hill were erroneously mapped as piling, as were several more on the southerly portion of the sheet.

Numerous wooden groins, in the northerly portion of the map, were overlooked during compilation. All of the groins were visible on the color photographs and were indicated thereon. Two of the groins, at Lat. $41^{\circ} 41.3'$, Long. $72^{\circ} 37.5'$, were very difficult to see on the photos, because of heavy shadows, and it is requested that their location be checked against the 1969 hydro positions. The 1969 hydro position numbers are 728 and 729 on boat sheet 745-10-8-69.

The ferry, at the Rocky Hill-Glastonbury Ferry, was drafted as part of the shoreline. This was dealt with on the ozalid. There are, also, two piling, a broken dolphin that bares 2.0 feet at MLW, a public boat launching ramp, seven dolphins and a marine railway in the immediate vicinity of the Rocky Hill side of the ferry landing.

A pier ruins, bare 2.0 feet at MLW, and a piling bare 1.5 feet at MLW were discovered just to the south of Glastonbury side of the ferry landing. The "pier ruins" were visible on the photographs, the "piling" was not. It, the piling, was d.p.'ed by the hydrographer during the 1969 hydrography - position number 838, boat sheet 745-10-7-69.

All of the preceeding items, with the exception noted above, were indicated on the field edit ozalid and cross-referenced to the appropriate photograph.

An object compiled as a "pier", at latitude $41^{\circ} 38.8'$, Long. $72^{\circ} 37.3'$, is actually a large pipe, presumably used for pumping water to the barrow pit to the east of it. One large pier was not mapped and another was incorrectly, or incompletely, delineated.

54. RECOMMENDATIONS

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

55. EXAMINATION OF PROOF COPY

Mr. Earl E. Maxfield, a senior river pilot of the Connecticut River, will be happy to examine a proof copy of the map. Mr. Maxfield's address is:
1 Roberts Street, Saybrook, Connecticut.

56. LANDMARKS AND NON-FLOATING AIDS FOR NAVIGATION

There are five nautical landmarks recommended for charting on this sheet. They are all either triangulation or office identified and compiled. One of them, the "Pylon", at Lat. $41^{\circ} 41.3'$, Long. $72^{\circ} 38.0'$, is thought to be triangulation. It is requested that the photo position be checked against the triangulation position for Pratt & Whitney, South Black & Yellow, Pylon, 1935. All landmarks were indexed on form 152 and submitted on form 567.

There are thirteen fixed aids to navigation within the limits of this map. All of them, except South Glastonbury Range Rear Light 88, are either triangulation, or were office identified and compiled. Two of the aids, in the latter category, were erroneously identified. These aids are Rocky Hill Daybeacon and South Wethersfield Light 93. They were not visible on the photographs due to shadows and/or overhanging tree limbs, and were located with theodolite fixes from photo-hydro signals. They were plotted on the signal manuscript, scaled off and submitted on form 567.

Glastonbury Meadows Daybeacon 94 was found destroyed during edit. According to Local Notice to Mariners No. 27, June 12, 1969, this daybeacon is to be discontinued. In as much as it was reported destroyed as long ago as April 3, 1969, there is probably no intention of ever rebuilding it.

South Glastonbury Range Rear Light 88 was not compiled. It is visible on color photograph 68E8048(c) and was circled and labeled thereon. A sketch was made on form 152 indicating its location. The light was submitted on form 567.

At Lat. $41^{\circ} 39.3'$, Long. $72^{\circ} 37.6'$, there is a pier and three dolphins. There is a fixed white light, of a type similar to those used for private aids, on the upstream of the dolphins, and a fixed green light, of similar nature, on the downstream offshore corner of the pier. These lights appear to be private fixed aids, but they are not charted, nor listed, nor could any evidence pertaining to them be found in the Local Notices to Mariners available to the field editor. However, the LNM's available did not go back very far, so perhaps there is some earlier reference to these lights.

57. GEOGRAPHIC NAMES

No discrepancies were noted in any of the names on this map during field edit.

58. ROCKS AND SHOALS

One rock, bare 1.0 foot at MLW, was found by the hydrographer during the 1969 hydrography - position number 916 boat sheet 745-10-7-69. This rock was indicated, along with its position number, on the field edit ozalid. Three "piles of rocks" were located by the field editor, at Lat. $41^{\circ} 41.4'$, Long. $72^{\circ} 37.2'$, on the color photographs. These "rocks" are practically in the forshore. Appropriate notes were made on the field edit ozalid.

There are no shoals, as defined, within the limits of this map. There is, however, one relatively important rocky "shallow" that was not delineated during compilation. This "shallow" is in the vicinity of Lat. $41^{\circ} 40.3'$, Long. $72^{\circ} 36.7'$ and covers 1.5 feet or less at MLW. Parts of it are bare a foot or more at MLW. It was outlined on the color photo 68E8048(c) and indicated on the field edit ozalid along with the appropriate cross-reference. This "shallow" was also developed by the hydrographer.

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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

November 3, 1969

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY~~PROPOSED~~ LANDMARKS FOR CHARTSTO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~

STRIKE OUT TWO

Atlantic Marine Center

March 16, 1970

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

The positions given have been checked after listing by

R. E. Smith

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

STATE	CONNECTICUT				POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	MARCON CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM								
				° ' "	D. M. METERS	° ' "	D. P. METERS									
		SOUTH WETHERSFIELD TO BELAMOSE														
PYLON		Tall slender black pylon with radio antenna on top (Pratt & Whitney South Black & yellow pylon 1935) ht.=87(97)		41 41	581.3	72 38	00.634 14.7	NA Triang. 1927 T13304	10/24/69x							267
TANK		Silver, 4 legged, steel, water tank with a conical top & a ball on top (Rocky Hill Conn. Foundry Elevated Tank 1935) ht=110(130)		41 39	1563.0	72 37	48.477 1121.5	NA Triang. 1927 T13304	10/22/69x							267
TANK		4 legged, steel, water tank, black base, bluetank with white conical top ht=110(140)		41 38	1568	72 37	43.47 1006	NA Photo. 1927 T13304	10/22/69x							267
ELEVATOR		Six cement elevators, cylindrical type structures which appears as one large rectangular solid structure ht.=180(210)		41 39	1485	72 37	51.35 1188	NA Photo. 1927 T13304	10/22/69x							267

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

* TABULATE SECONDS AND METERS

TO BE CHARTED
~~COAST GUARD~~
~~REGULATED~~

STRIKE OUT TWO

Atlantic Marine Center
March 16, 1970

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

The positions given have been checked after listing by

R. E. Smith

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

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 by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

NONFLOATING AIDS ~~FOR CHARTS~~

Atlantic Marine Center March 16 19 70

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

STATE	CONNECTICUT		SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE #		LONGITUDE #		DATUM							
				°	'	D.M. METERS	°		'						
CHARTING NAME	DESCRIPTION														
LIGHT 84	LONG ISLAND SOUND CONNECTICUT RIVER			41	38	34.07 1051	72	37	26.23 607	NA 1927	Photo T13304	8/13/69x			267
LIGHT 84	Dividend Bar Range Rear Light			41	38	35.27 1088	72	37	26.36 610	NA 1927	Photo T13304	8/13/69x			267
DAYBEACON	Rocky Hill Daybeacon			41	40	04.73 146	72	37	45.78 1059	NA 1927	Photo T13304	8/13/69x			267
LIGHT 86	Two Piers Channel Range Front (Two Piers Channel Front Range Lt. 1892)			41	40	24.46 754.6	72	36	31.60 731.0	NA 1927	Triang. T13304	8/13/69x			267
LIGHT 86	Two Piers Channel Range Rear (Two Piers Channel Rear Range Light 1892)			41	40	25.160 776.2	72	36	28.991 670.6	NA 1927	Triang. T13304	8/13/69x			267
LIGHT 88	South Glastonbury Range Rear			41	40	28.65 884	72	36	26.76 619	NA 1927	Photo: T13304	8/13/69x			267

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

* TABULATE SECONDS AND METERS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~

STRIKE OUT TWO

NONFLOATING AIDS ~~ON EXISTING CHARTS~~ FOR CHARTS

Atlantic Marine Center

March 16

19 70

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(latest form)~~ 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, ~~Assoc.~~ of Party.

STATE		CONNECTICUT		POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE #		LONGITUDE #				DATUM						
			°	'	D.M. METERS	°	'	D.P. METERS							
LIGHT 88	LONG ISLAND SOUND CONNECTICUT RIVER South Glastonbury Range Front (South Glastonbury Front Range Light 1907)		41	40	31.56 973.7	72	36	27.64 639.3	NA 1927	Triang. T13304	8/13/69x				267
LIGHT 90	Glastonbury Lower Light		41	41	07.52 232	72	36	37.75 873	NA 1927	Photo. T13304	8/13/69x				267
LIGHT 92	Glastonbury Upper Light		41	41	18.57 573	72	36	54.83 1268	NA 1927	Photo. T13304	8/13/69x				267
LIGHT 93	South Wethersfield Light		41	41	23.63 729	72	38	10.59 245	NA 1927	Photo. T13304	8/13/69x				267
LIGHT 93A	Press Barn Bar Range Rear Light		41	41	58.18 1795	72	38	16.26 376	NA 1927	Photo. T13304	8/13/69x				267
LIGHT 93A	Press Barn Bar Range Front Light		41	41	58.51 1805	72	38	13.75 318	NA 1927	Photo. T13304	8/13/69x				267

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

* TABULATE SECONDS AND METERS

26

NOTE: The bearings of the following ranges as obtained in this office differ from the ones given in the 1969 light list.

<u>Bearings by C&GS (Photo. Field Party)</u>	<u>Given in Light List</u>
Press Barn Range 260 1/4°	259 1/2°
South Glastonbury Range 167 1/4°	166°
Two Piers Channel Range 70 1/4°	68°
Dividend Bar Range 176 1/2°	177°

RES
mp

NOTTECHING AIDS OR LANDMARKS FOR CHARTS

~~UNRECORDED~~ } STRIKE OUT TWO
~~UNRECORDED~~ }
TO BE DELETED

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

The positions given have been checked after listing by

R. E. Smith

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

Chief of Party

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-35, 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

~~TO BE DELETED~~

March 16 1970

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

The positions given have been checked after listing by

R. E. Smith

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 by individual field survey sheets. Information under each column heading should be given.

REVIEW REPORT T-13304

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 sheets T-9088 and T-9089, July, 1952, 1:10,000 scale. Discrepancies are noted on the comparison print in blue.

The shoreline of these surveys is superseded by T-13304 for Nautical Chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S. Geological Survey's: Hartford South, CT and Glastonbury, CT. They are both 1:24,000 scale and dated 1964.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheets H-9086 Boat Sheet 475, 10-8-69 and H-9077 boat sheet 745, 10-7-69 both 1:10,000 scale. The source of the shoreline ~~appears to be~~^{is} the incomplete manuscript of T-13304.

All differences between the boat sheet and survey T-13304 have been noted on the comparison print in purple. (refer to page 32)

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 267 Conn R. Bodkin Rock to Hartford, 6th edition dated March 25, 1972, 1:20,000 scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

29 30

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 L. Hamner *Wesley V. Galt*
Chief, Photogrammetric Branch Chief, Coastal Mapping Division

= 630,000 FT.

72° 38'

37' 30"

x = 635,000 FT.

31

41° 42' 15" 37'

SECOND LANE

Pr ruins

Groins

260 1/2° TRUE

Foul

Groin

Bkhd ruins

Rocky

ONT LIGHT 93A, 1969

GHT 93A, 1969

41° 42'

Blue- T-9088 Reg.
T-9089 "
Brown- USGS
Red- Chart 267

68-E(C)-8049

G l a s t o n b u r y M e a d o w s

41° 30"

RSFIELD LIGHT 93, 1969

C

O

N

N

E

C

T

I

C

U

T

Awash MLW

PRATT AND WHITNEY SOUTH BLACK
AND YELLOW PYLON 1935 ht=87 (97)

Groins

Groins in ruins

Rocky

Sand

32

Blue- T-9088 Reg.
T-9089 "
Brown- USGS
Red- Chart 267
Purple- Boat Sheet 9086
9077

GLASTONE UPPER LIGHT 92, 1969

GLASTONBURY LOW LIGHT 90, 1969

y=310,000 FT.

41'

*boat sheet shoreline from incomplete
Manuscript T-13304*

SOUTH GLASTONBURY RANGE FRONT LIGHT 88
(SOUTH GLASTONBURY FRONT RANGE LIGHT 1907)

40'30"

SOUTH GLASTONBURY RANGE REAR LIGHT 88, 1969

TWO PIERS CHANNEL RANGE REAR LIGHT 86
(TWO PIERS CHANNEL REAR RANGE LIGHT 1892)

TWO PIERS CHANNEL RANGE FRONT LIGHT 86
(TWO PIERS CHANNEL FRONT RANGE LIGHT 1892)

y=305,000 FT.

70° TRUE

72° 36' 30"

40'

32.

Blue- T-9088 Reg.
T- 9089 "
Brown- USGS
Red- Chart267

ROCKY HILL

45.

GLASTONBURY AVENUE

160

ROCKY HILL CONN. FOUNDRY ELEVATED TANK
1935 ht=110 (130)

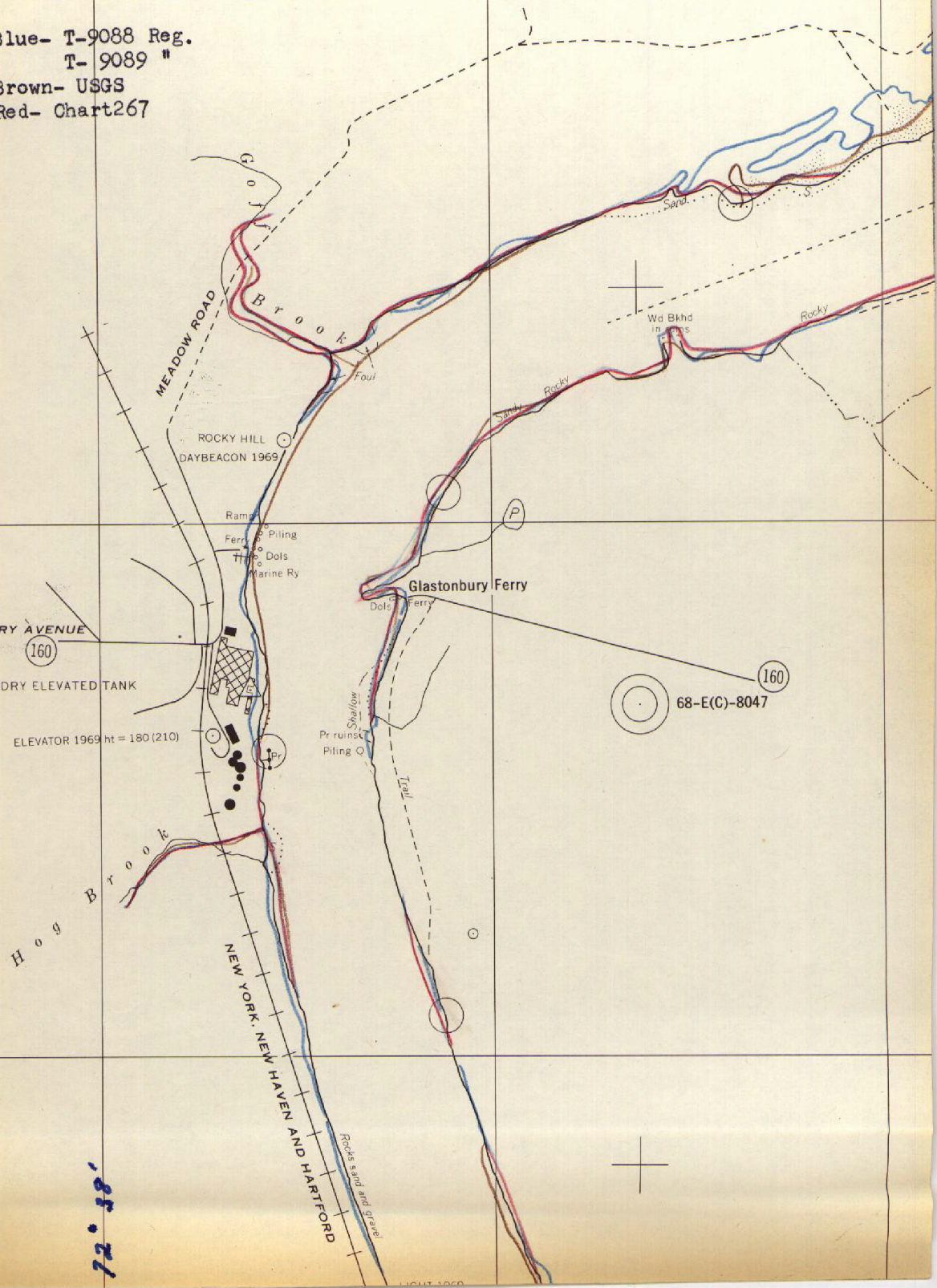
ELEVATOR 1969 ht = 180 (210)

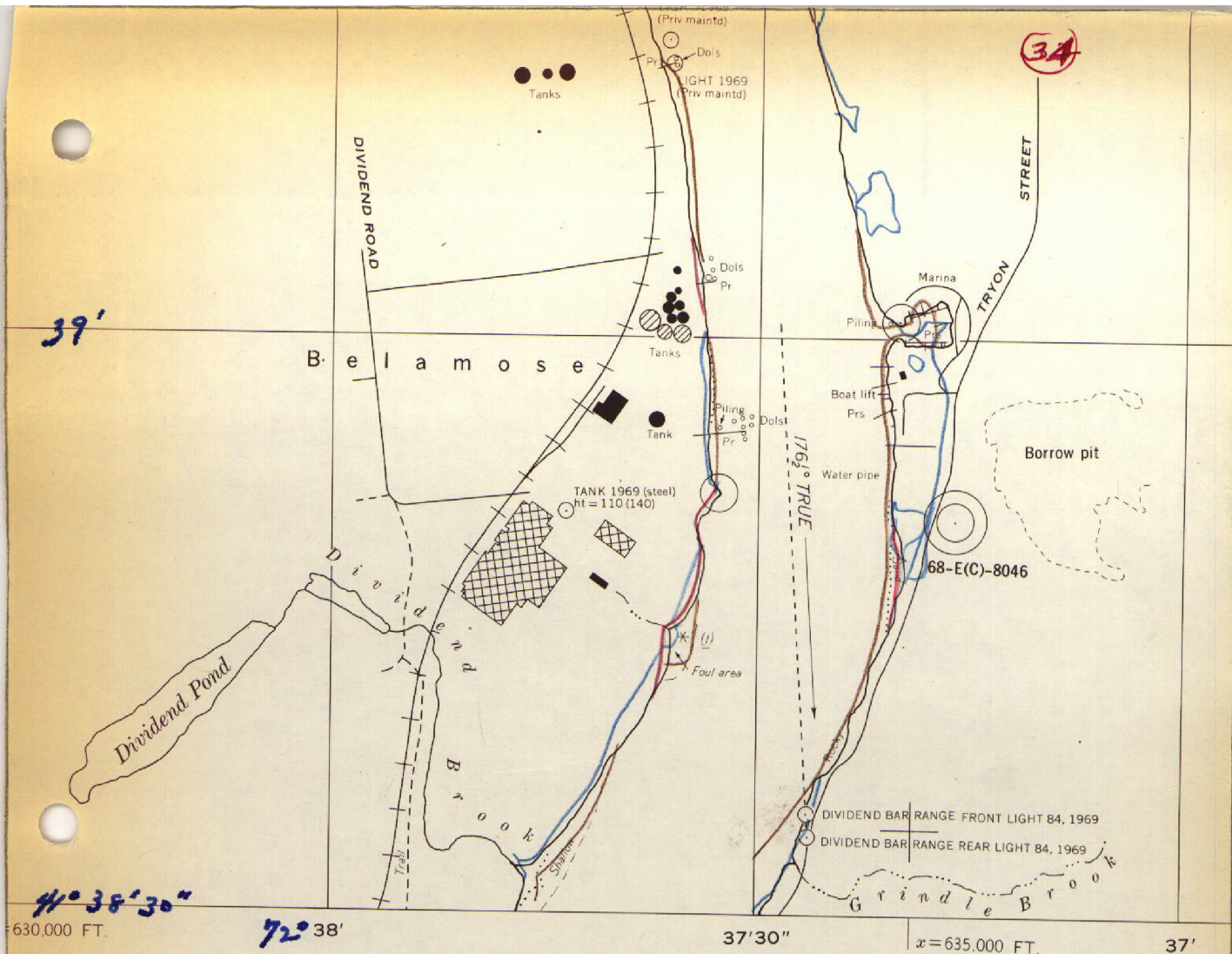
Glastonbury Ferry

68-E(C)-8047

(160)

72.38'





photogrammetric

Blue- T-9088 Reg.
T-9089 "
Brown- USGS
Red- Chart 267

LEGEND

- Marsh
- Swamp
- Sand
- Paved road
- Unpaved road

- △ Recoverable horizontal control
- Recoverable horizontal control
- Approximate mean low water
- State route

The light shoreline defines the approximate mean high water.
The heavy shoreline defines the
Compiled by photogrammetric
Date of Photography Oct
Date of Field Inspection Nov
Date of Field Edit Nov
Date of Final Compilation Jun
Date of Final Review

- Quad.
- Naut. Chart
- Boat Sheet

triangulation that meets the
Standards of Map Accuracy and
is subject to correction by
and aids to navigation were
edit.

