

TP-01293

TP-01293

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-01293	Edition No. 1
Job No. CM-8315	
Map Classification CLASS III (FINAL)	
Type of Survey SHORELINE	
LOCALITY	
State CONNECTICUT	
General Locality SAUGATUCK RIVER TO CONNECTICUT RIVER	
Locality HAMMONASSET POINT	
1983 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr.		SURVEY TP. <u>01293</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>MM CM-8315</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr.		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation September 6, 1985 Compilation April 15, 1987		Control February 15, 1984	
II. DATUMS			
1. HORIZONTAL: ☒ 1927 NORTH-AMERICAN		OTHER (Specify)	
2. VERTICAL: ☒ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Lambert Conformal Projection		4. GRID(S) STATE ZONE Connecticut Connecticut	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		B. Thornton Oct. 1985 D. Norman Oct. 1985	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Xynetics 1201 CHECKED BY		F. Mauldin Dec. 1986 F. Mauldin Dec. 1986	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:20,000 CHECKED BY		R. Kravitz Sept. 1987 F. Mauldin Sept. 1987 N.A. N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: Smooth Drafted CHECKED BY SCALE: 1:20,000 CONTOURS BY HYDRO SUPPORT DATA BY CHECKED BY		R. Kravitz Oct. 1987 F. Mauldin Oct. 1987 N.A. N.A. R. Kravitz Oct. 1987 F. Mauldin Oct. 1987	
5. OFFICE INSPECTION PRIOR TO Final Review BY		F. Mauldin Oct. 1987	
6. APPLICATION OF FIELD EDIT DATA BY		N.A.	
7. COMPILATION SECTION REVIEW Class III BY		N.A.	
8. FINAL REVIEW Class III BY		F. Mauldin Oct. 1987	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr. May 1988	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr. June 1988	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		P. Dempsey Aug 1988 J. RIKIN Dec 1988	

TP-01293

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 10 (C) (C = 88.46mm) Wild RC 10 (B) (B = 152.74mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☒ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern MERIDIAN 75th	
☒ STANDARD		☐ DAYLIGHT			
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
83 C(C) 0612-0616	11-08-83	11:22	1:50,000	5.67 ft. above MLW	
83 C(C) 7243-7244	10-30-83	10:50	1:50,000	0.85 ft. above MLW	
83 C(I) 0562-0565	11-01-83	13:54	1:50,000	0.36 ft. below MLW	
84 B(I) 0643-0646	06-27-84	09:10	1:50,000	0.39 ft. below MHW	
83 C(I) 0549-0550	11-01-83	13:27	1:50,000	0.20 ft. below MLW	
84 B(I) 0660-0663	06-27-84	09:27	1:50,000	0.29 ft. below MHW	
Mean Tide Range = 6.7 ft.					

REMARKS

Stage of tide for all photographs was based on reference station records for the staff at Bridgeport.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high-water line was compiled from office interpretation of the above listed compilation/bridging photographs using stereo instrument methods. The tide coordinated black and white infrared photographs taken near the time of mean high-water were used to assist in the interpretation of the MHW line.

3. SOURCE OF MEAN LOW-WATER LINE:

The mean low-water line was compiled graphically from the above listed black and white tide coordinated infrared ratio photographs which were taken very near the time of mean low-water.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	TP-01294	No Survey	TP-01292

REMARKS

TP-01293

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD ~~INSPECTION~~ OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Shea	Apr. 1984
2. HORIZONTAL CONTROL	RECOVERED BY P. Walbolt	Apr. 1984
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	Apr. 1984
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N.A.	
	LOCATED (Field Methods) BY N.A.	
	IDENTIFIED BY N.A.	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
83C(C)0614	HAMMONASSET 3, 1932		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

3 NOAA Forms 76-86

1 NOAA Form 76-53

2 NOAA Forms 76-19

2 NOAA Forms 75-82A

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Oct. 1987	Class III Manuscript		
Final Review	May 1988	Final Class III Map		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1			Charted landmarks and aids to navigation form

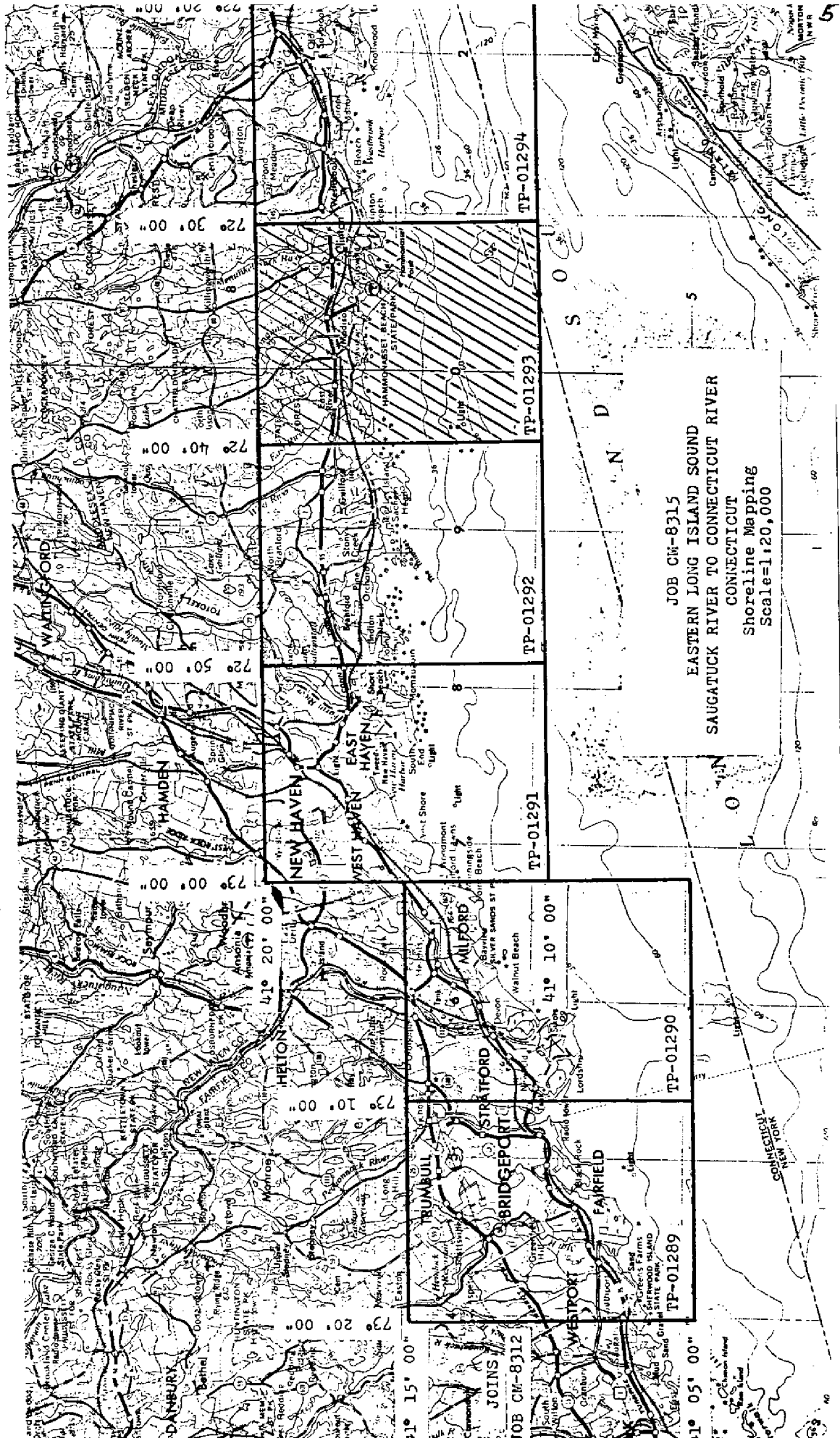
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 562 SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS: _____
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	



JOB CM-8315
EASTERN LONG ISLAND SOUND
SAUGATUCK RIVER TO CONNECTICUT RIVER
CONNECTICUT
Shoreline Mapping
Scale=1:20,000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01293

This 1:20,000 scale map is one of six maps at 1:20,000 scale in project CM-8315, Eastern Long Island Sound, Saugatuck River to Connecticut River, Connecticut. The project extends from longitude 72° 20' 00" west to longitude 73° 20' 00".

Photographic coverage was provided in October and November 1983 with the "C" camera (focal length = 88.46 millimeters) using color film at both 1:30,000 and 1:50,000 scale and infrared film (November only) at 1:50,000 scale and in June 1984 using the "B" camera (focal length = 152.74 millimeters) with infrared film at 1:50,000 scale. The infrared photography was tide coordinated at both mean high and mean low water.

Field work prior to compilation was accomplished during April 1984. This consisted of photoidentification of horizontal control to satisfy aerotriangulation requirements.

Analytic aerotriangulation was adequately performed at the Washington Science Center in October 1985. The manuscripts were ruled at the Atlantic Marine Center from the data furnished by the aerotriangulation process.

Compilation was performed at the Atlantic Marine Center, from office interpretation of the 1:50,000 scale color and infrared photography, in October 1987.

Final review was performed at the Atlantic Marine Center in May 1988. A Chart Maintenance Print, for Marine Charts Branch, and Notes to Hydrographer Print, for the Hydrographic Branch were forwarded. This map is to be registered as a Final Class III Map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

AEROTRIANGULATION REPORT
CM-8315
Eastern Long Island Sound
Saugatuck River to Connecticut River, Connecticut
October 1985

21. Area Covered

This report covers the Long Island Sound, Connecticut area from Saugatuck River to Connecticut River. The project consists of six 1:20,000-scale sheets; TP-01289 through TP-01294.

22. Method

Three strips of 1:50,000-scale color photographs were bridged by analytic aerotriangulation methods and adjusted to ground using field identified control and office identified intersection stations.

Strip 50-1 was measured using the National Ocean Service Analytic Plotter (NOSAP) under control of the Integrated Digital Photogrammetric Facility Software (IDPF). Strip 50-2 and Strip 50-3 were measured using the Wild STK Comparator.

Tie points were used to ensure adequate junction of all strips, and in addition, were used as supplemental control for strips 50-2 and 50-3.

Common image points were established between the 1:50,000-scale color bridging photographs and two 1:30,000-scale color supplemental photographs (1983 B(C) 7420 and 7421) which will be used to compile a section of TP-01291 which is not covered by the bridging photographs.

Ratio values were determined for the 1:50,000-scale color bridging photographs, the 1:30,000-scale color supplemental photographs, and the 1:50,000-scale MLW and MHW infrared photographs. A copy of these values and sketches of the photo coverage are attached to this report.

A magnetic plotting tape for ruling the base manuscripts depicting the Lambert Conformal Conic Projection with grid ticks based on the Connecticut State Plane Coordinate System has been prepared.

23. Adequacy of Control

The control was adequate and meets the National Ocean Service requirements. A listing of closures to control is attached.

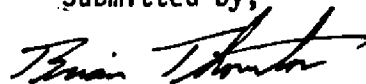
24. Supplemental Data

USGS topographic quadrangles were used to obtain vertical control for bridging. NOS Nautical Charts were used to locate aids and landmarks.

25. Photography

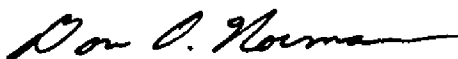
The coverage, overlap, and quality of the photographs were adequate for the job.

Submitted by,



Brian Thornton

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Unit

FIT TO CONTROL

▲ = Control point held in adjustment

■ = Tie point held in adjustment

STRIP #50-1

<u>STATION NAMES</u>	<u>POINT NO</u>	<u>VALUES IN FEET</u>	
		<u>X</u>	<u>Y</u>
▲ Westbrook Tank 1934	208100	-1.7	-0.3
Milford Episcopal Church Spire 1884, Sub Pt 3A	590101	-1.0	+0.8
" " " " " " , Sub Pt 3B	590102	+1.3	-0.2
▲ " " " " " " , Sub Pt 3C	590103	+0.7	-0.2
Koppers New Cross, Sub Pt 4A	593101	-2.1	+1.0
" " " " " " , Sub Pt 4B	593102	0.0	-0.4
▲ Lyme 1934, Sub Pt 7A	608101	+0.1	+0.6
" " " " " " , Sub Pt 7B	608102	+0.2	+0.1
Hammonasset 3 1932, Sub Pt 6A	613101	-1.9	-2.1
" " " " " " , Sub Pt 6B	613102	+0.7	+1.4
▲ Guilford Cong Church Spire 1933, Sub Pt 5A	616101	-0.1	-0.6
" " " " " " , Sub Pt 5B	616102	+1.9	-0.7

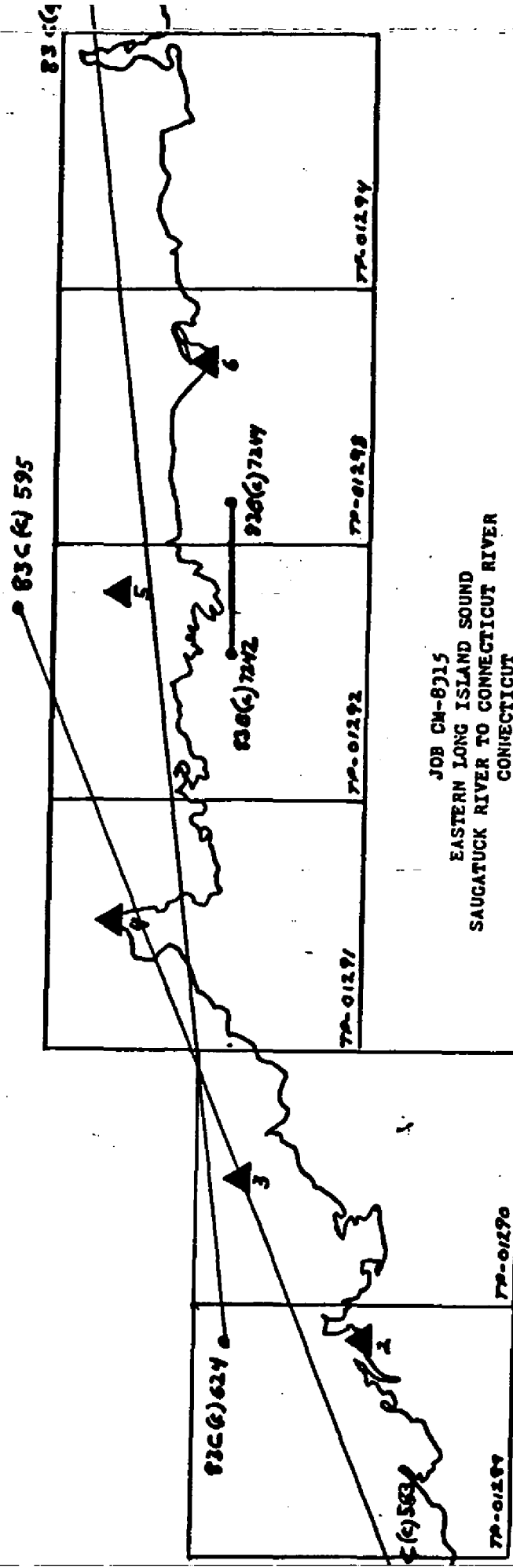
Strip #50-2

■ Tie from Strip #50-1	242801	-0.1	-0.7
" " " " " "	242802	-1.7	+0.6
" " " " " "	242803	-1.8	+0.5
■ " " " " " "	243801	+0.5	+1.5
" " " " " "	243802	-0.5	+1.5
" " " " " "	243803	+0.7	+3.0
Guilford Cong Church Spire 1933	616100	-0.8	+1.2
" " " " " " Sub Pt 5A	616101	-0.7	+2.3
" " " " " " Sub Pt 5B	616102	+0.4	+1.4
Hogshead Point Boulder 1934	180100	-0.2	-1.4
Falkner Island Lighthouse 1882	182100	+0.8	-0.2
Guilford Standpipe 1933	185100	+1.1	+1.7
■ Tie from Strip #50-1	244801	-0.4	-0.8
" " " " " "	244802	-1.6	+1.2
" " " " " "	244803	-0.1	+1.1

Strip #50-3

▲ Cedar 2 1955,	Sub Pt 1A	583101	+2.1	+1.6
▲ " " " "	Sub Pt 1B	583102	-0.4	-0.7
▲ WICC South Radio Tower,	Sub Pt 2A	587101	-0.6	+1.2
" " " "	Sub Pt 2B	587102	-1.2	+1.8
▲ " " " "	Base 2 C	587103	-1.3	+2.1
Tie from Strip #50-1		589801	-2.8	-2.9
" " " "		589802	-5.1	-2.5
■ " " " "		589803	-2.2	-1.9
" " " "		589804	-0.9	+1.8
" " " "		589805	+2.1	-2.5
■ " " " "		589806	-0.2	-2.7
▲ Milford Episcopal Church Spire 1884,	Sub Pt 3A	590101	+3.8	+2.3
" " " " " "	Sub Pt 3B	590102	+7.3	+2.2
▲ " " " " " "	Sub Pt 3C	590103	-0.5	+3.7
▲ Koppers New Cross,	Sub Pt 4A	593101	+1.4	-1.9
▲ " " " "	Sub Pt 4B	593102	+3.5	+1.3
Tie from Strip #50-1		593801	+2.4	+4.7
" " " "		593802	+4.2	+6.2
" " " "		593803	+3.4	+5.6
" " " "		593804	-1.1	-0.8
" " " "		593805	-1.0	+1.2
■ " " " "		593806	-0.7	+0.6
" " " "		594801	-0.8	+2.0
" " " "		594802	-1.4	+1.7
" " " "		594803	-1.3	+4.1
" " " "		594804	-4.3	-2.7
" " " "		594805	-1.8	-2.8
■ " " " "		594806	-2.6	-1.9

- HORIZONTAL CONTROL**
- | | |
|-----------------------------------|--------------------------------------|
| 1. CEDAR 2, 1955 | 4. KOPPERS NEW CROSS |
| 2. WICC SOUTH RADIO TOWER | 5. GUILFORD CONG. CHURCH SPIRE, 1933 |
| 3. MILFORD EPISCOPAL CHURCH SPIRE | 6. HAMMONASSET 3, 1932 |
| | 7. LYME, 1934 |



JOB CM-8315
 EASTERN LONG ISLAND SOUND
 SAUGATUCK RIVER TO CONNECTICUT RIVER
 CONNECTICUT
 Shoreline Mapping
 Scale=1:20,000

MHW
1:50,000

84 B(R) 627

84 B(R) 646

84 B(R) 646

84 B(R) 644

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TP-01290

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1 B(R) 639

JOB CM-8315
EASTERN LONG ISLAND SOUND
SAUGATUCK RIVER TO CONNECTICUT RIVER
CONNECTICUT
Shoreline Mapping
Scale=1:20,000

MLW
1:50,000

83C(A)558

83C(A)545

83C(A)550

83C(A)548

83C(A)573

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TP-01292

TP-01291

TP-01290

TP-01294

5(A)531

JOB CM-8315
EASTERN LONG ISLAND SOUND
SAUGATUCK RIVER TO CONNECTICUT RIVER
CONNECTICUT
Shoreline Mapping
Scale=1:20,000

RATIO VALUES

CM-8315

1:50,000 Bridging Photographs

	<u>Ratio Value</u>
83 C(C) 0608-0624	2.535
83 C(C) 0583-0595	2.520
83 B(C) 7242-7244	2.447

1:30,000 Supplemental Photographs

83 B(C) 7420-7421	1.499
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MLW 1:50,000 Black-and-White Infrared

83 C(R) 0532-0545	2.525
83 C(R) 0548-0550	2.524
83 C(R) 0558-0573	2.525

MHW 1:50,000 Black-and-White Infrared

84 B(R) 0627-0639	2.506
84 B(R) 0644-0646	2.495
84 B(R) 0651-0666	2.510

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
					N.A. 1927	STATE	ZONE	Connecticut	Connecticut	φ LATITUDE	
TP-01293	CM-8315	HAMMONASSET 3, 1932	QUAD 410723	613100			X=		φ 41° 14' 55.667"		
			STA 1084			Y=		λ 72° 32' 40.454"			
FALKNER ISLAND LIGHTHOUSE, 1882	QUAD 410723	STA 1061	QUAD 410723	182			X=		φ 41° 12' 42.701"		
							Y=	λ 72° 39' 14.608"			
HOGS HEAD POINT BOULDER, 1934	QUAD 410723	STA 1098	QUAD 410723	180			X=		φ 41° 15' 53.940"		
							Y=	λ 72° 39' 23.840"			
GUILFORD STANDPIPE, 1933	QUAD 410723	STA 1076	QUAD 410723	185			X=		φ 41° 17' 18.177"		
							Y=	λ 72° 39' 31.082"			
WEST ROCK, 1882	QUAD 410723	STA 1223	QUAD 410723	192			X=		φ 41° 15' 12.272"		
							Y=	λ 72° 32' 01.844"			
							X=		φ		
							Y=		λ		
							X=		φ		
							Y=		λ		
							X=		φ		
							Y=		λ		
							X=		φ		
							Y=		λ		
							X=		φ		
							Y=		λ		
COMPUTED BY					DATE		COMPUTATION CHECKED BY			DATE	
LISTED BY					DATE		LISTING CHECKED BY			DATE	
HAND PLOTTING BY					DATE		HAND PLOTTING CHECKED BY			DATE	

COMPILATION REPORT

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31. DELINEATION:

Delineation was accomplished using Wild B-8 stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation color photographs. Tide coordinated mean high water infrared photographs were used to assist in interpretation of the shoreline. Tide coordinated mean low water infrared ratio photographs were used to graphically compile the approximate mean low water line. Control for graphic delineation was provided by the instrument compilation of coastal detail and common image points.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

32. CONTROL:

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated October 1985.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line was compiled from office interpretation of the bridging/compilation photographs and was complimented by the tide coordinated mean high water infrared contact photographs. There were no mean high water infrared ratio photographs available.

36. OFFSHORE DETAILS:

Offshore detail was compiled by instrument methods using the 1:50,000 scale bridging/compilation color photographs as described in item #31.

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The mean low water infrared photographs were ratioed in order to graphically compile the approximate mean low water line as described in item #31.

37. LANDMARKS AND AIDS:

There are four charted landmarks and three charted aids to navigation within the limits of this map. Among these, three landmarks and three aids were located/verified photogrammetrically.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Refer to the Data Record Form 76-36B, item 5, of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY:

See item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangles:

Guilford, Connecticut; dated 1968, photorevised 1972; scale 1:24,000

Clinton, Connecticut; dated 1961, photorevised 1984; scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Service charts:

12354; 28th edition; dated October 4, 1986; scale 1:80,000

12372; 23rd edition; dated April 5, 1986; scale 1:40,000 SC

12373; 12th edition; dated May 23, 1981; scale 1:20,000

12374; 11th edition; dated June 23, 1984; scale 1:20,000

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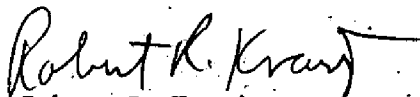
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

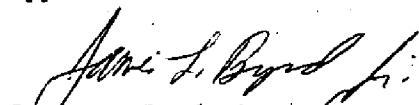
None.

Submitted by:



Robert R. Kravitz
Cartographic Technician
September 10, 1987

Approved:



James L. Byrd, Jr.
Chief, Coastal Mapping Unit

GEOGRAPHIC NAMES

FINAL NAME SHEET

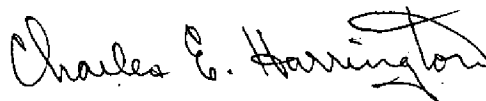
CM-8315 (Saugatuck River to Connecticut River, Connecticut)

TP-01293

Amtrak (RR)
Bailey Creek
Bishop Rocks
Cedar Island
Cedar Island (locality)
Chipman Point
Circle Beach (locality)
Clinton
Clinton Beach (locality)
Clinton Harbor
East River
East River (locality)
East River Beach (locality)
East Wharf
Falkner Island
Fence Creek
Grass Island
Griswold Airport
Guilford Harbor
Gull Rock
Half Acre Rock
Hammock Point

Hammock River
Hammonasset Branch
Hammonasset Point
Hammonasset River
Harbor View
Hogshead Point
Indian River
Kelsey Point
Long Island Sound
Madison
Middle Beach (locality)
Neck River
Ridgewood
Riding Rock
Seaview Beach (locality)
Sluice Creek
Tailings, The
Tuxis Island
Webster Point
West Rock
West Wharf
Willard Island

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE

TP-01293

61. GENERAL STATEMENT:

See Summary included with this descriptive report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. quadrangles:

Clinton, Connecticut, dated 1961, photorevised 1984, and
Guilford, Connecticut, dated 1968, photorevised 1972,
both are 1:24,000 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There is no contemporary hydrographic survey within the limits of
this map.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS Charts:

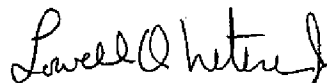
12354, 28th edition, dated October 4, 1986, scale 1:80,000
12372, 23rd edition, dated April 5, 1986, scale 1:40,000 S.C.
12373, 12th edition, dated May 23, 1981, scale 1:20,000
12374, 11th edition, dated June 23, 1984, scale 1:20,000

TP-01293

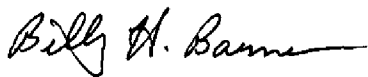
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

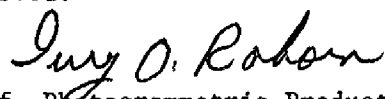
Submitted by:

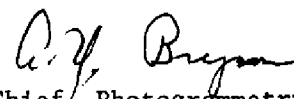

Lowell O. Neterer, Jr.
Final Reviewer
May 1988

Approved for forwarding:


Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:


Chief, Photogrammetric Production Sec.


Chief, Photogrammetry Branch

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION LISTING

PAGE 1 OF 1

PROJECT: CM-8315

MAP NUMBER (Scale); Locality: TP-01293, 1:20,000; Saugatuck River
to Connecticut River, Connecticut

GEODETIC DATUM: N.A. 1927

The following charted landmarks and nonfloating aids to navigation have been measured and or confirmed during photogrammetric operations. Refer to Nautical Charting Division Standard Digital Data Exchange Format documentation for quality code (QC) criteria and clarification of cartographic codes (CC).

<u>FEATURE DESCRIPTION</u>	<u>NCD CC</u>	<u>GEOGRAPHIC POSITION (°-'-")</u>		<u>NCD Q.C.</u>	<u>DATE OF LOCATION</u>
		<u>LATITUDE</u>	<u>LONGITUDE</u>		
Falkner Island Light	139	41 12 42.701	72 39 14.608	3	11-08-83
Kelsey Point Breakwater Light	200	41 14 36.40	72 30 31.10	7	11-08-83
Clinton Harbor Radiobeacon	200	41 15 59.50	72 31 11.30	7	11-08-83
Standpipe	139	41 17 18.177	72 39 31.082	3	11-08-83
Church Tower	86	41 16 47.50	72 36 13.00	7	11-08-83
Tank	86	41 15 44.30	72 33 19.20	7	11-08-83

Listing approved by:

FINAL REVIEWER

DATE _____

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.

[illegible]