

TP-01294

TP-01294

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-01294	Edition No. 1
Job No. CM-8315	
Map Classification CLASS III (FINAL)	
Type of Survey SHORELINE	
<h3 style="text-align: center;">LOCALITY</h3>	
State CONNECTICUT	
General Locality SAUGATUCK RIVER TO CONNECTICUT RIVER	
Locality CONNECTICUT RIVER	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 1983 TO 19 </div>	
<h3 style="text-align: center;">REGISTERED IN ARCHIVES</h3>	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr., CDR		SURVEY TP. <u>01294</u> MAP EDITION NO. (1) MAP CLASS III Final JOB MM CM-8315	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr., CDR		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> 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: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION <u>Lambert Conformal Projection</u>		4. GRID(S) STATE ZONE <u>Connecticut</u> <u>Connecticut</u>	
5. SCALE <u>1:20,000</u>		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		B. Thornton Oct. 1985 D. Norman Oct. 1985	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Xynetics 1201</u> CHECKED BY		F. Mauldin Dec. 1986 F. Mauldin Dec. 1986	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY		P. Evans Oct. 1987 F. Mauldin Oct. 1987 N.A. N.A. P. Evans Oct. 1987 F. Mauldin Nov. 1987 N.A. N.A. P. Evans Oct. 1987 F. Mauldin Nov. 1987	
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: <u>Smooth Drafted</u> CHECKED BY SCALE: <u>1:20,000</u> CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY		P. Evans Oct. 1987 F. Mauldin Nov. 1987 N.A. N.A. P. Evans Oct. 1987 F. Mauldin Nov. 1987	
5. OFFICE INSPECTION PRIOR TO Final Review BY		F. Mauldin Nov. 1987	
6. APPLICATION OF FIELD EDIT DATA BY		N.A.	
7. COMPILATION SECTION REVIEW <u>Class III</u> BY		F. Mauldin Nov. 1987	
8. FINAL REVIEW <u>Class III</u> BY		L. O. Neterer, Jr. May 1988	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr. June 1988	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dempsey Aug 1988	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. RIKIN Dec. 1988	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

Tp-01294

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 10(B) (B = 152.74mm) Wild RC 10(C) (C = 88.46mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
83 C(C) 0609-0613	11-08-83	11:15	1:50,000	5.67 ft. above MLW	
84 B(I) 0663-0666	06-27-84	09:30	1:50,000	0.29 ft. below MHW	
83 C(I) 0558-0561	11-1-83	13:48	1:50,000	0.36 ft. below MLW	
83 B(I) 0643	06-27-84	09:10	1:50,000	0.39 ft. below MHW	
				Mean Tide Range = 6.7 ft.	

REMARKS

Stage of tide for all photography 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 OR MEAN LOWER 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	No Survey	No Survey	TP-01293

REMARKS

TP-01294

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INVESTIGATION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Shea	Apr. 1984
2. HORIZONTAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
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 <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> 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

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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)

None

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
TP-01294 RECORD OF SURVEY USE				
I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Nov. 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. <input type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____ 3. <input type="checkbox"/> REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____				
III. FEDERAL RECORDS CENTER DATA				
1. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS. 2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input type="checkbox"/> FORM NOS ⁷⁶⁻⁴⁰ 567 SUBMITTED BY FIELD PARTIES. 3. <input type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: _____ 4. <input type="checkbox"/> 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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT		
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT		
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT		

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01294

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 November 1983 with the "C" camera (focal length = 88.46 millimeters) using both color and infrared film at 1:50,000 scale and in June 1984 with the "B" camera (focal length = 152.74 millimeters) using 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 November 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.

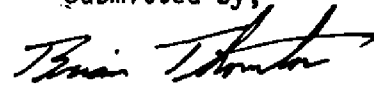
24. Supplemental Data

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

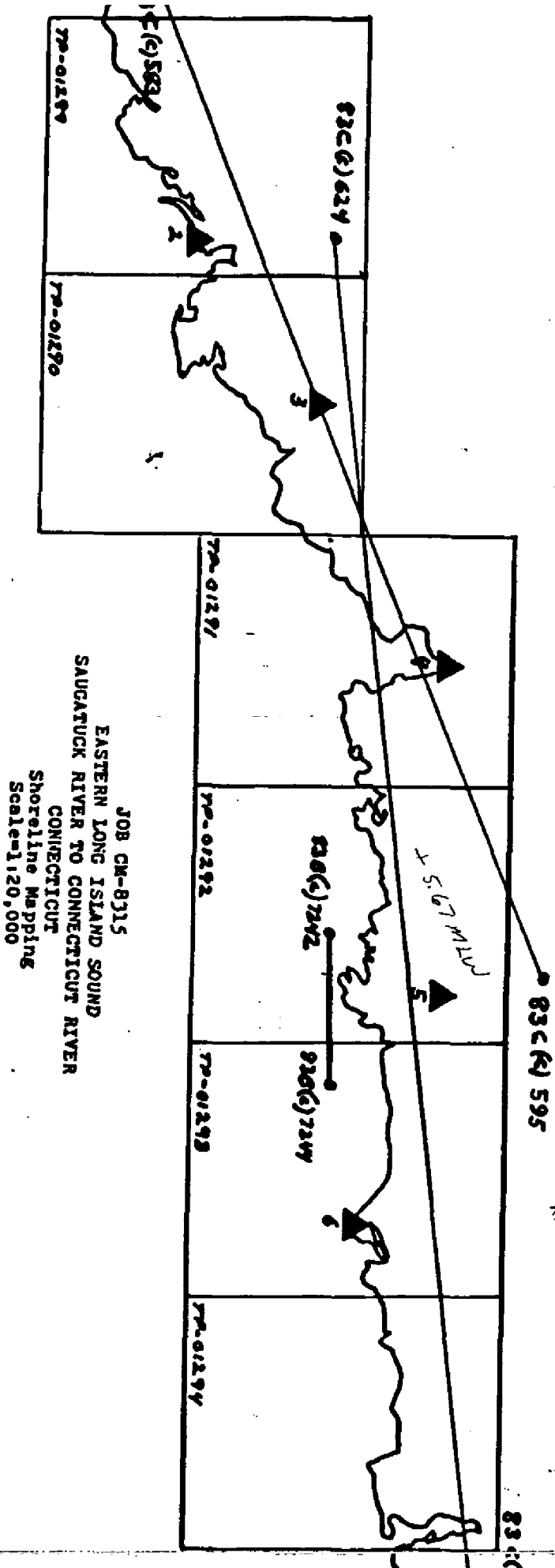
Strip #50-2

■ 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

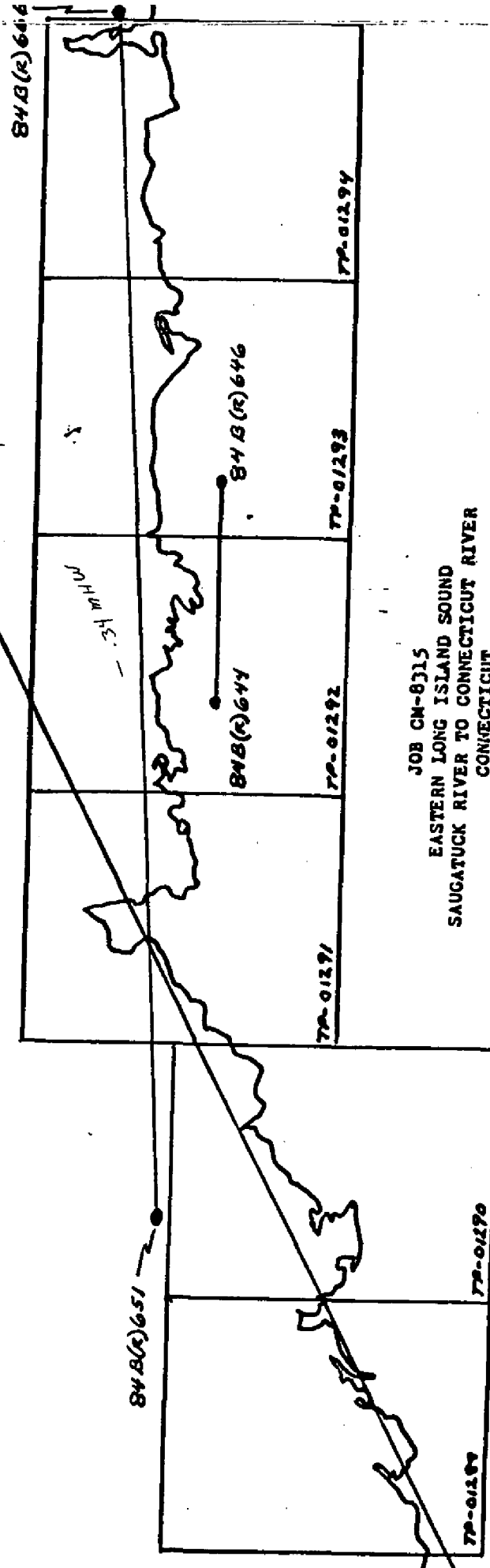
▲ Cedar 2 1955,	Sub Pt 1A	583101	+2.1	+1.6
▲ " " " "	Sub Pt 1B	583102	-0.4	-0.7
▲ WICC South Radio Tower,	Sub Pt 2A	587101	-0.6	+1.2
" " " "	Sub Pt 2B	587102	-1.2	+1.8
▲ " " " "	Base 2 C	587103	-1.3	+2.1
Tie from Strip #50-1		589801	-2.8	-2.9
" " " "		589802	-5.1	-2.5
■ " " " "		589803	-2.2	-1.9
" " " "		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. KOPERS 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 | |



MHW
1:50,000

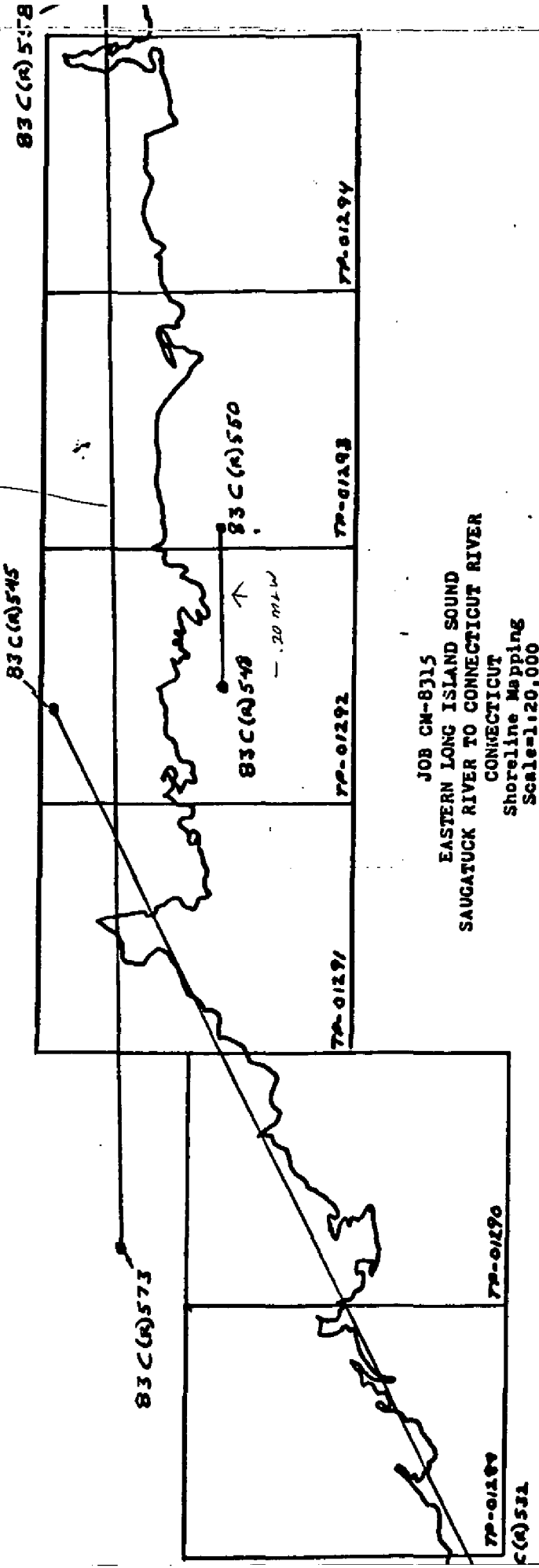
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JOB CM-8315
EASTERN LONG ISLAND SOUND
SAUGATUCK RIVER TO CONNECTICUT RIVER
CONNECTICUT
Shoreline Mapping
Scale=1:20,000

84B(R)639

MLW
1:50,000
- .36 M LW



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.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
		CM-8315	SOURCE OF INFORMATION (Index)		STATE ZONE	Connecticut Connecticut	ϕ LATITUDE λ LONGITUDE	Unit, AMC, Norfolk, VA		
TP-01294				208	QUAD 410722	X=		ϕ 41° 16' 54.615"		
					STA 4204	Y=		λ 72° 26' 16.481"		
WESTBROOK TANK, 1934			214	QUAD 410722	X=			ϕ 41° 18' 46.222"		
				STA 4158	Y=		λ 72° 21' 13.785"			
					X=			ϕ		
					Y=			λ		
					X=			ϕ		
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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 nine charted landmarks and eight charted aids to navigation within the limits of this map. Among these, five landmarks and seven 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:

Essex, Connecticut; dated 1958, photorevised 1970; scale 1:24,000
Old Lyme, Connecticut; dated 1958, photorevised 1970; 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
12374; 11th edition; dated June 23, 1984; scale 1:20,000
12375, 17th edition; dated April 14, 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:



Paul L. Evans, Jr.
Cartographic Technician
November 2, 1987

Approved:



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-01294

Amtrak (RR)	Long Island Sound
Back River (1)	Long Rock
Back River (2)	Lynde Point
Beamon Creek	McVeagh Pond
Calves Island	Menunketesuck Island
Chalker Beach	Menunketesuck River
Chapman Beach (locality)	Middle Beach
Chapman Point	Money Point
Chapman Pond	Mud Creek
Clinton Beach (locality)	North Cove
Cold Spring Brook	Old Kelsey Point
Connecticut River	Old Saybrook
Cornfield Point	Oyster River
Duck Island	Patchogue River
Duck Island Roads	Plum Bank Beach
Fenwick	Plum Bank Creek
Fernwood	Poverty Point
Gatchen Creek	Quontonset Beach
Goose Island	Ragged Rock Creek
Great Hammock Beach	Salt Island
Great Island	Salt Works Bay
Grove Beach	Saybrook Manor
Grove Beach (locality)	Saybrook Point
Grove Beach Point	Saybrook Point (locality)
Guardhouse Point	South Cove
Hagar Creek	Springdale Pond
Hawks Nest	Stannard Beach
Indian Town	West Beach
Indian Town Harbor	Westbrook
Johnson Pond	Westbrook Harbor
Knollwood	Willard Point
Lieutenant River	

Approved:

Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE

TP-01294

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:

Essex, Connecticut, dated 1958, photorevised 1970,
photoinspected 1977, and
Old Lyme, Connecticut, dated 1958, photorevised 1970,
photoinspected 1976; 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:

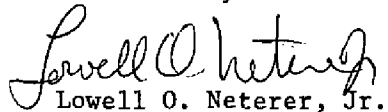
12354, 28th edition, dated October 4, 1986, scale 1:80,000
12372, 23rd edition, dated April 5, 1986, scale 1:40,000
12374, 11th edition, dated June 23, 1984, scale 1:20,000
12375, 17th edition, dated April 14, 1984, scale 1:20,000

TP-01294

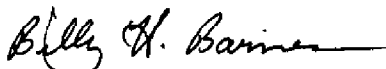
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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-01294, 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>		
Spire	86	41 17 09.80	72 27 00.60	7	11-08-83
Tank (Elev)	139	41 16 54.615	72 26 16.481	3	11-08-83
Stack	139	41 18 46.222	72 21 13.785	3	11-08-83
Tower	86	41 19 10.30	72 21 07.60	7	11-08-83
Tower	86	41 19 12.50	72 20 40.80	7	11-08-83
Duck Island					
West Breakwater Light 2D1	200	41 15 22.30	72 29 08.50	7	11-08-83
Duck Island					
North Breakwater Light	200	41 15 36.50	72 28 31.60	7	11-08-83
Patchogue River					
Breakwater Light 3A	200	41 16 06.70	72 28 24.50	7	11-08-83
Saybrook					
Breakwater Light	200	41 15 47.10	72 20 35.90	7	11-08-83
Saybrook Daybeacon	223	41 16 06.80	72 20 19.00	7	11-08-83
Lynde Point Light	200	41 16 16.60	72 20 37.30	7	11-08-83
Connecticut					
River Light 22	200	41 19 51.20	72 21 01.50	7	11-08-83

Listing approved by:

FINAL REVIEWER

DATE

June 27, 1988

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]