

TP-01291

TP-01291

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-01291	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 NEW HAVEN	
1983 TO 1984	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.											
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td>☒ ORIGINAL</td> <td></td> </tr> <tr> <td>☐ RESURVEY</td> <td></td> </tr> <tr> <td>☐ REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		☒ ORIGINAL		☐ RESURVEY		☐ REVISED			
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☐ RESURVEY													
☐ REVISED													
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td>☐ ORIGINAL</td> <td></td> </tr> <tr> <td>☐ RESURVEY</td> <td></td> </tr> <tr> <td>☐ REVISED</td> <td></td> </tr> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		☐ ORIGINAL		☐ RESURVEY		☐ REVISED	
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☐ ORIGINAL													
☐ RESURVEY													
☐ REVISED													
		SURVEY TP. <u>01291</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>CM-8315</u>											
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) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE Connecticut</td> <td style="width:50%;">ZONE Connecticut</td> </tr> </table>		STATE Connecticut	ZONE Connecticut								
STATE Connecticut	ZONE Connecticut												
5. SCALE 1:20,000		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE</td> <td style="width:50%;">ZONE</td> </tr> </table>		STATE	ZONE								
STATE	ZONE												
III. HISTORY OF OFFICE OPERATIONS													
OPERATIONS		NAME	DATE										
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		B. Thornton	Oct. 1985										
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Xynetics 1201</u> CHECKED BY		D. Norman	Oct. 1985										
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		F. Mauldin	Dec. 1986										
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY		F. Mauldin	Dec. 1986										
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		R. Kravitz	Aug. 1987										
METHOD: <u>Smooth Drafted</u> CONTOURS BY CHECKED BY		F. Mauldin	Aug. 1987										
SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY		N.A.											
5. OFFICE INSPECTION PRIOR TO Final Review BY		R. Kravitz	Sept. 1987										
6. APPLICATION OF FIELD EDIT DATA BY		F. Mauldin	Oct. 1987										
7. COMPILATION SECTION REVIEW <u>Class III</u> BY		N.A.											
8. FINAL REVIEW <u>Class III</u> BY		N.A.											
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		F. Mauldin	Oct. 1987										
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr.	Apr. 1988										
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		L. O. Neterer, Jr.	June 1988										
12. MAP REGISTERED - COASTAL SURVEY SECTION BY		P. Dempsey	Aug 1988										
13. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. RIKAN	Dec 1988										

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

TP-01291

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		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	☒ STANDARD
☐ PREDICTED TIDES ☒ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN	☐ DAYLIGHT
				Eastern	
				75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
83 C(C) 0590-0594	11-08-83	10:50	1:50,000	4.8 ft. above MLW	
83 C(C) 0619-0622	11-08-83	11:22	1:50,000	5.67 ft. above MLW	
83 C(I) 0539-0542	11-01-83	13:13	1:50,000	0.03 ft. above MLW	
84 B(I) 0635-0638	06-27-84	08:56	1:50,000	0.39 ft. below MHW	
84 B(I) 0653-0656	06-27-84	09:25	1:50,000	0.29 ft. below MHW	
83 C(I) 0568-0570	11-01-83	13:49	1:50,000	0.36 ft. below MLW	
83 C(C) 7420-7421	10-31-83	11:12	1:30,000	1.4 ft. above MLW	
				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 color photographs using stereo instrument methods. The tide coordinated black and white infrared photographs taken near 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 black and white tide coordinated infrared ratio photographs that were taken near 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-01292	No Survey	TP-01290

REMARKS

TP-01291

HISTORY OF FIELD OPERATIONS

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Shea	Apr. 1984
2. HORIZONTAL CONTROL	RECOVERED BY C. Middleton ESTABLISHED BY C. Middleton PRE-MARKED OR IDENTIFIED BY C. Middleton	Apr. 1984 Apr. 1984 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	BY
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)0593	KOPPERS NEW CROSS, 1984 (Station established and 2 subpoints identified)		

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

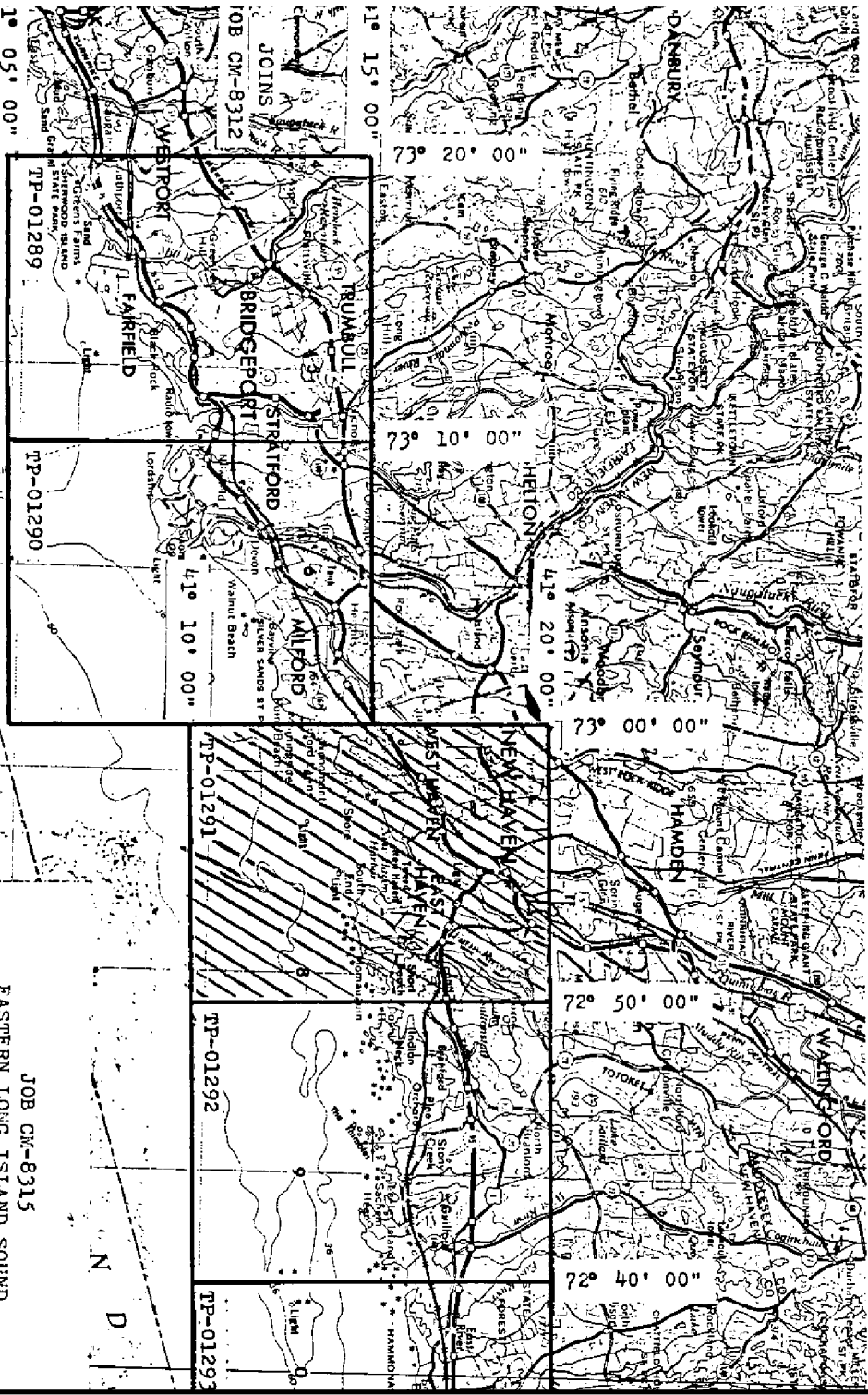
7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 Form 76-53 1 Form 76-135
 2 Forms 76-86 11 Forms 75-82A
 2 Forms 76-19

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
TP-01291 RECORD OF SURVEY USE				
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	Apr. 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	
3			Charted landmarks and aids to navigation forms	
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 76-40 567 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 CW-8315
EASTERN LONG ISLAND SOUND
CONNECTICUT RIVER TO CONNECTICUT RIVER
Shoreline Mapping
Scale=1:120,000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01291

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 April 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

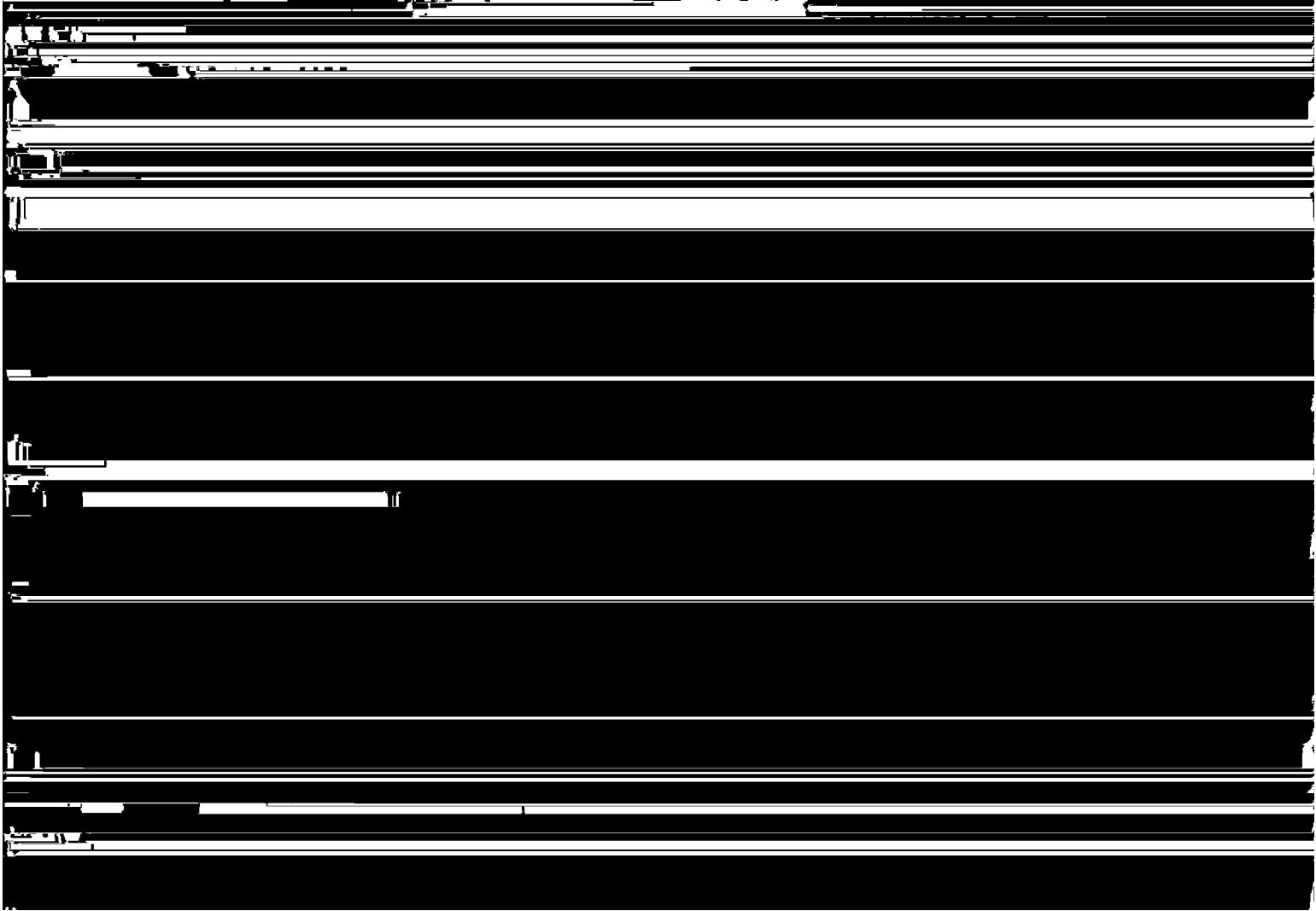
21. Area Covered

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



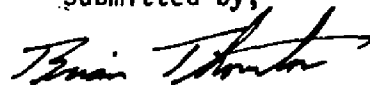
24. Supplemental Data

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

25. Photography

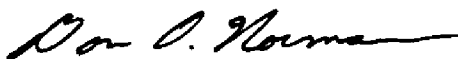
The coverage, overlap, and quality of the photographs were adequate for the job.

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

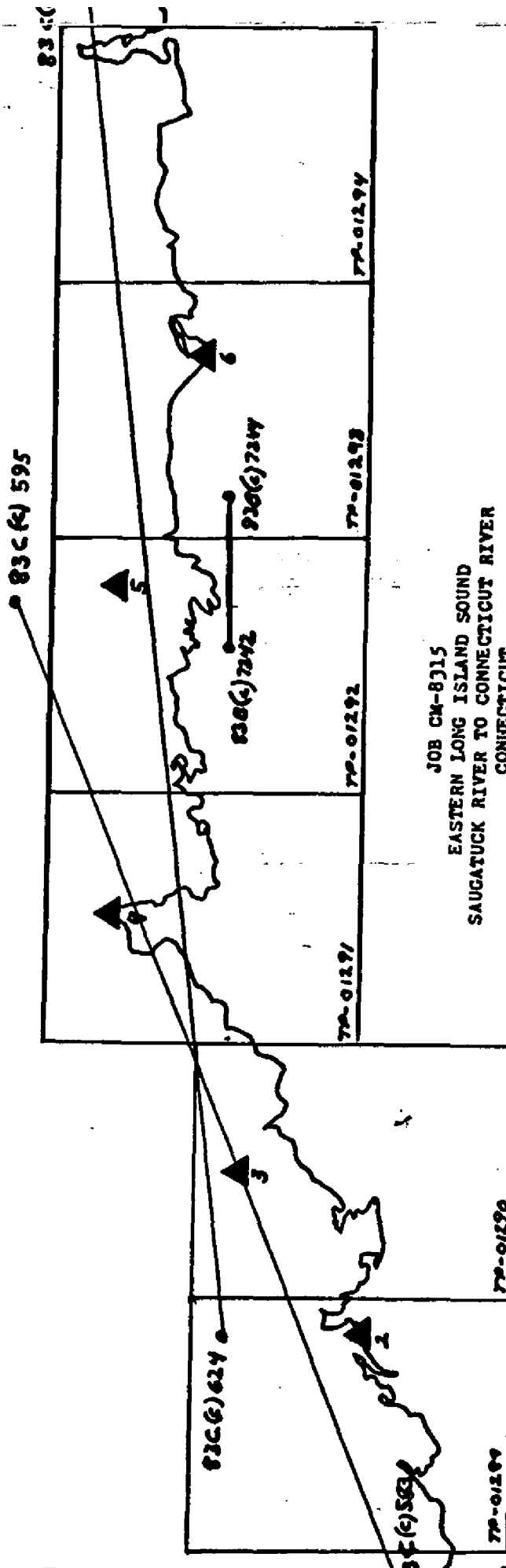
■	Tie from Strip #50-1	242801	-0.1	-0.7
	" " " " " "	242802	-1.7	+0.6
	" " " " " "	242803	-1.8	+0.5
■	" " " " " "	243801	+0.5	+1.5
	" " " " " "	243802	-0.5	+1.5
	" " " " " "	243803	+0.7	+3.0
	Guilford Cong Church Spire 1933	616100	-0.8	+1.2
	" " " " " " Sub Pt 5A	616101	-0.7	+2.3
	" " " " " " Sub Pt 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

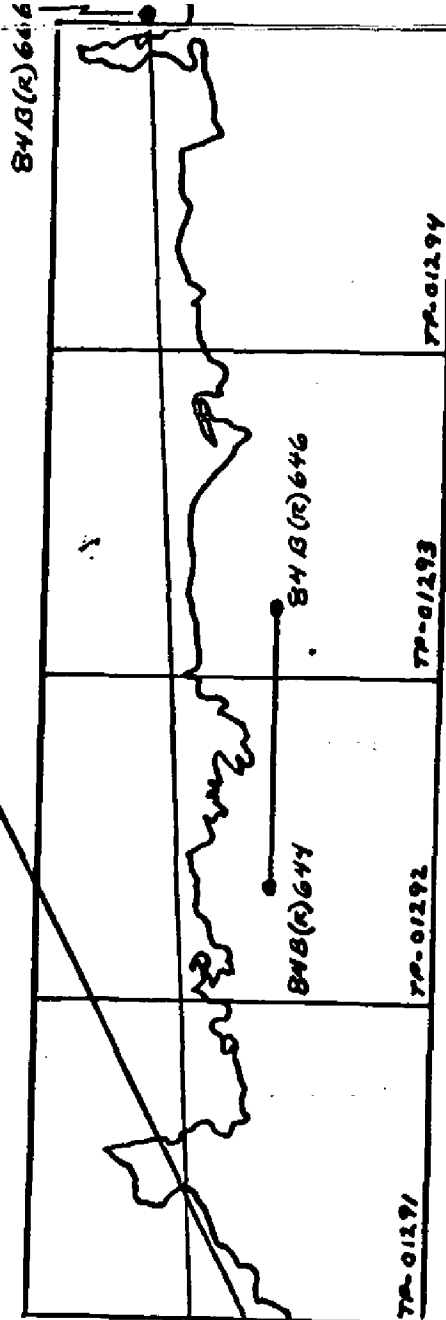
1. CEDAR 2, 1955
2. WICC SOUTH RADIO TOWER
3. MILFORD EPISCOPAL CHURCH SPIRE
4. KOPPERS NEW CROSS
5. GUILFORD CONG. CHURCH SPIRE, 1933
6. HAMMONASSET 3, 1932
7. LYME, 1934



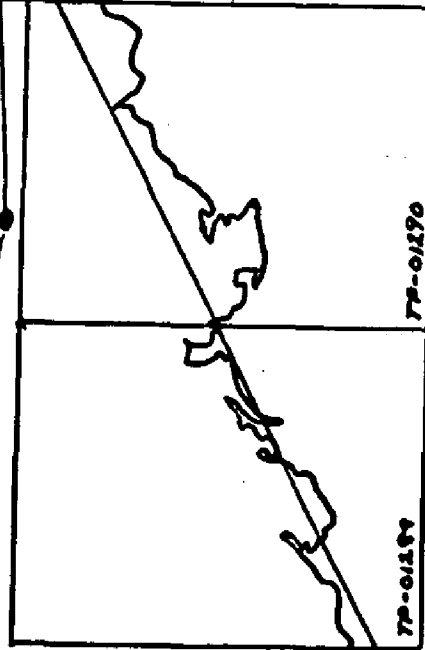
JOB CM-8315
EASTERN LONG ISLAND SOUND
SAUGATUCK RIVER TO CONNECTICUT RIVER
CONNECTICUT
Shoreline Mapping
Scale=1:20,000

MHW
1:50,000

84B(R)627



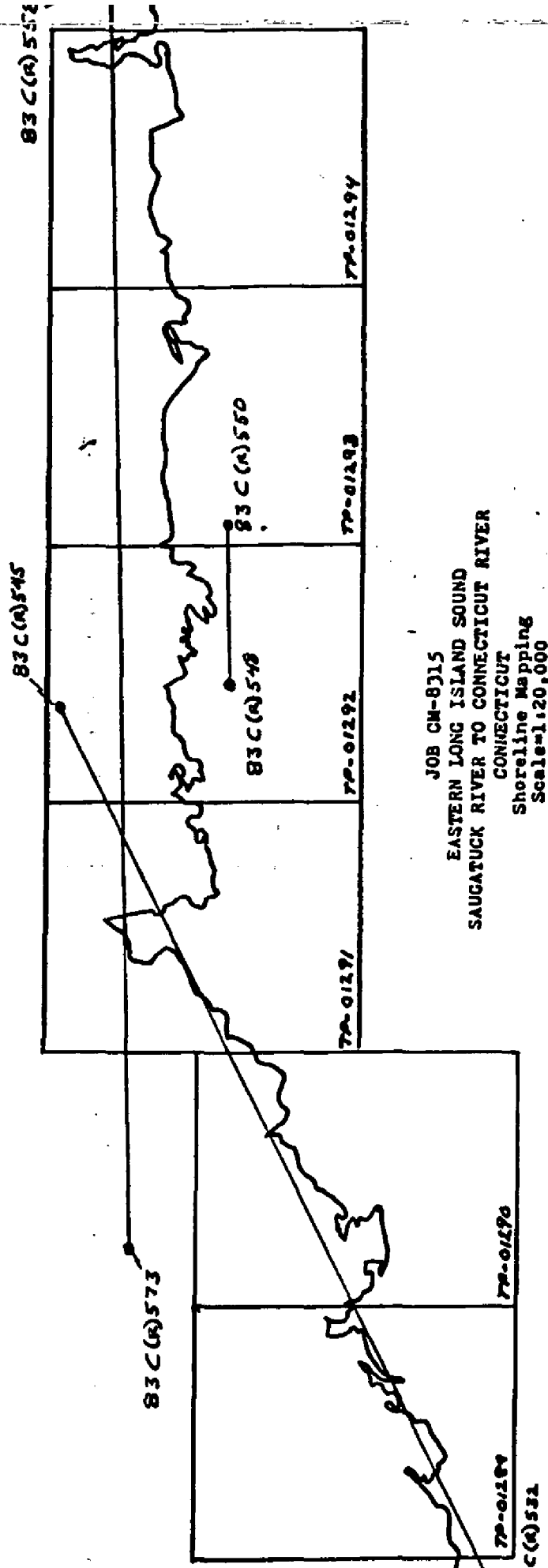
84B(R)651



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



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.	CM-8315	AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS
					COORDINATES IN FEET STATE <u>Connecticut</u> ZONE <u>Connecticut</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	Unit, AMC, Norfolk, VA	Coastal Mapping	
TP-01291		QUAD 410723	93	STA 1200	X=	ϕ 41° 14' 03.681"			
					Y=	λ 72° 54' 45.178"			
NEW HAVEN LIGHTHOUSE OLD TOWER, 1833		QUAD 410723	134	STA 1148	X=	ϕ 41° 14' 55.931"			
					Y=	λ 72° 54' 15.238"			
KOPPERS NEW CROSS, 1984 (FIELD POS.)		FIELD NOTE- BOOK W/CSII CARDS AND RECOVERY NOTES	593100		X=	ϕ 41° 16' 59.555"			
					Y=	λ 72° 54' 29.982"			
SEAMLESS RUBBER CO. ELEV TANK, 1933		QUAD 410723	113	STA 1192	X=	ϕ 41° 17' 20.287"			
					Y=	λ 72° 55' 46.655"			
EAST PEARL ST METH CH SPIRE, 1933		QUAD 410723	119	STA 1056	X=	ϕ 41° 18' 27.677"			
					Y=	λ 72° 53' 30.613"			
NEW HAVEN FIRST CONG CH SPIRE, 1931		QUAD 410723	119B	STA 1145	X=	ϕ 41° 18' 34.041"			
					Y=	λ 72° 53' 37.827"			
ST FRANCIS CHURCH SPIRE, 1933		QUAD 410723	119C	STA 1182	X=	ϕ 41° 18' 39.401"			
					Y=	λ 72° 53' 46.144"			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
COMPUTED BY					COMPUTATION CHECKED BY			DATE	
LISTED BY	R. R. Kravitz		DATE 8/10/87		LISTING CHECKED BY P. Mauldin			DATE	9/16/87
HAND PLOTTING BY			DATE		HAND PLOTTING CHECKED BY			DATE	

COMPILATION REPORT

TP-01291

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 Quinnipiac River was delineated to the limit of available stereo photograph coverage.

32. CONTROL:

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

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

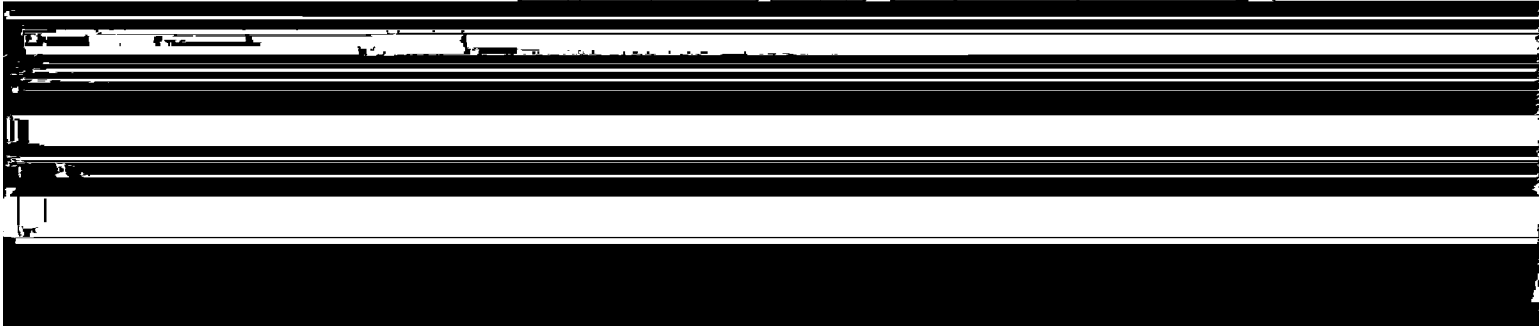
Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs.

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



TP-01291

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 thirty-one charted landmarks and seventeen charted aids to navigation within the limits of this map. Among these, twenty-four landmarks and thirteen 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:

New Haven, Connecticut; dated 1967, photorevised 1972; scale 1:24,000

Branford, Connecticut; dated 1967, photorevised 1972; scale 1:24,000

Woodmont, Connecticut; dated 1960, photorevised 1971, photo-inspected 1976; 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

12364; 25th edition; dated January 10, 1987; scale 1:40,000 SC

12371; 20th edition; dated April 6, 1985; scale 1:20,000

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

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

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ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

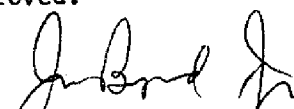
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:


Robert R. Kravitz
Cartographic Technician
September 15, 1987

Approved:


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

GEOGRAPHIC NAMES

FINAL NAME SHEET

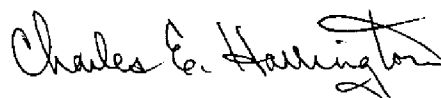
CM-8315 (Saugatuck River to Connecticut River, Connecticut)

TP-01291

Amtrak (RR)	Morris Cove
Bradford Cove	Morris Cove (locality)
Bradley Point	Morris Creek
Bradley Rocks	New Haven
Brightview	New Haven Harbor
City Point (locality)	Old Clump
Conrail (RR)	Old Field Creek
Cove River	Oyster River
Cow and Calf	Oyster River Beach
Darrow Rocks	Oyster River Point
Democrat Rock	Pages Cove
East Haven	Prospect Beach
East Indies Rocks	Prospect Beach (locality)
Fair Haven	Quinnipiac River
Fair Haven East	Rayham
Farm River	Rocky Beach
Farm River Gut	Sandy Point
Forbes Bluff	Savin Rock (locality)
Green Island	Sea Bluff

Horseshoe Lagoon	Short Beach (locality)
Horton Point	Silver Sands Beach
Johnson Point	South End Point
Kelsey Island	Stanley Point
Lighthouse Point	Stony Island
Long Island Sound	Tweed-New Haven Airport
Mansfield Point	Twin Rocks
Merwin Point	Umbrella Island
Mill River	West Haven
Momauguin	West River
Momauguin Beach	West Shore
Morgan Point	West Silver Sands Beach
	Woodmont

Approved:

Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE

TP-01291

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:

Branford, Connecticut, dated 1967, photorevised 1972
New Haven, Connecticut, dated 1967, photorevised 1972,
Woodmont, Connecticut, dated 1960, photorevised 1971,
photoinspected 1976; all three 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:

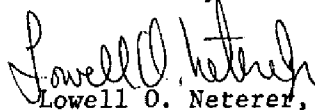
12354, 28th edition, dated October 4, 1986, scale 1:80,000
12364, 25th edition, dated January 10, 1987, scale 1:40,000 S.C.
12371, 20th edition, dated April 6, 1985, scale 1:20,000.
12372, 23rd edition, dated April 5, 1986, scale 1:40,000 S.C.
12373, 12th edition, dated May 23, 1981, scale 1:20,000.

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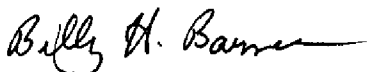
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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
April 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 3

PROJECT: CM-8315

MAP NUMBER (Scale); Locality: TP-01291, 1:20,000; Saugatuck River
to Connecticut River, Connecticut

GEODETTIC 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>		
New Haven West Breakwater West End Light 2	200	41 13 31.90	72 57 23.80	7	11-08-83
New Haven Light	200	41 13 15.40	72 56 33.40	7	11-08-83
New Haven Middle Break- water West End Light	200	41 13 27.20	72 56 11.30	7	11-08-83
New Haven Middle Break- water East End Light 5	200	41 13 52.70	72 55 24.90	7	11-08-83
Southwest Ledge Light	139	41 14 03.681	72 54 45.178	3	11-08-83
Sandy Point Breakwater Light	200	41 15 44.00	72 55 06.00	7	11-08-83
New Haven Long Wharf Light	200	41 17 33.30	72 54 56.10	7	11-08-83
New Haven Oil Dock South Light	200	41 17 30.80	72 54 28.60	7	11-08-83
New Haven Oil Dock North Light	200	41 17 33.10	72 54 28.20	7	11-08-83
New Haven Wharf Light "A"	200	41 17 41.80	72 54 22.60	7	11-08-83
New Haven Wharf Light "B"	200	41 17 42.60	72 54 22.60	7	11-08-83
New Haven Wharf Light "C"	200	41 17 45.00	72 54 20.40	7	11-08-83
New Haven Wharf Light "D"	200	41 17 45.90	72 54 18.60	7	11-08-83
Old Tower On Lighthouse Point	139	41 14 55.931	72 54 15.238	3	11-08-83
Tank	86	41 15 33.30	72 58 19.20	7	11-08-83

Listing approved by:

Lowell White
FINAL REVIEWER

June 27, 1988
DATE

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION LISTING
CM-8312

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PAGE 2 OF 3

<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 16 41.30	72 52 19.80	7	11-08-83
Stack	86	41 17 01.70	72 54 14.30	7	11-08-83
Stack	86	41 17 00.70	72 57 42.80	7	11-08-83
Radio Tower	86	41 17 13.50	72 56 51.40	7	11-08-83
Radio Tower	86	41 17 15.30	72 56 47.90	7	11-08-83
Stack	86	41 17 20.70	72 56 57.50	7	11-08-83
Stack	86	41 17 00.70	72 55 36.80	7	11-08-83
Stack	86	41 17 19.20	72 55 46.80	7	11-08-83
Tank	139	41 17 20.287	72 55 46.655	3	11-08-83
Stack	86	41 17 34.40	72 54 15.50	7	11-08-83
Tower	86	41 17 47.00	72 54 09.20	7	11-08-83
Tower	86	41 17 54.30	72 54 10.20	7	11-08-83
Stack	86	41 17 45.40	72 55 34.80	7	11-08-83
Stack	86	41 17 45.80	72 55 34.40	7	11-08-83
Tower	86	41 18 02.10	72 54 21.80	7	11-08-83
Cupola	86	41 18 09.50	72 56 07.40	7	11-08-83
Tower	86	41 18 11.60	72 54 23.50	7	11-08-83
Gas Tank	86	41 18 13.90	72 54 25.80	7	11-08-83
Tower	86	41 18 20.90	72 54 23.60	7	11-08-83
Tower	86	41 18 25.70	72 54 24.50	7	11-08-83

Listing approved by:

Lowell W. Hether
FINAL REVIEWER

June 28, 1988
DATE

TP-01291

<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>		
Tower	86	41 18 29.70	72 55 27.20	7	11-08-83
Movie Screen	86	41 16 44.40	72 51 00.40	7	11-08-83
Radio Tower at New Haven	993	41 17 32.60	72 57 11.30	7	11-08-83

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]