

TP-01268

TP-01268

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
<i>Map No.</i> TP-01268	<i>Edition No.</i> 1
<i>Job No.</i> CM-8312	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
<h2>LOCALITY</h2>	
<i>State</i> NEW YORK - CONNECTICUT	
<i>General Locality</i> THROGSNECK, NY TO SAUGATUCK RIVER, CT	
<i>Locality</i> NORWALK, ISLANDS	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 1984 TO 19 </div>	
<h2>REGISTERED IN ARCHIVES</h2>	
<i>DATE</i>	

NOAA FORM 76-36A (3-72) <div style="text-align: center; margin-top: 5px;"> U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. </div> <div style="text-align: center; margin-top: 20px;"> DESCRIPTIVE REPORT - DATA RECORD </div>		<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </div> <div style="width: 35%;"> SURVEY TP- <u>01268</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final III</u> JOB <u>CM 8312</u> <u>PH</u> </div> </div>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, AMC, Norfolk, VA		LAST PRECEDING MAP EDITION <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </div> <div style="width: 35%;"> JOB <u>PH</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </div> </div>	
OFFICER-IN-CHARGE C. Dale North, Jr., CDR			
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Compilation Mar 26, 1987		Control July 31, 1984	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <div style="display: flex; flex-direction: column; gap: 5px;"> <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 </div>		OTHER (Specify)	
3. MAP PROJECTION Lambert Conformal Projection		4. GRID(S) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> STATE New York </div> <div style="width: 45%;"> ZONE Long Island </div> </div>	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY		R. Thornton	Feb 1987
2. CONTROL AND BRIDGE POINTS <u>xynectis 1201</u> METHOD: Magnetic tape transfer PLOTTED BY		D. Norman	Feb 1987
		F. Mauldin	Mar 1987
		F. Mauldin	Mar 1987
3. STEREOSCOPIC INSTRUMENT COMPILATION PLANIMETRY BY		A. Grimes	Jun 1987
		F. Mauldin/R. Kravitz	Jun 1987
INSTRUMENT: Wild B-8 CONTOURS BY		NA	
SCALE: CHECKED BY		NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY		R. Kravitz	July 1987
		F. Mauldin	July 1987
METHOD: smooth drafted CONTOURS BY		NA	
SCALE: 1:20,000 CHECKED BY		NA	
HYDRO SUPPORT DATA BY		R. Kravitz	July 1987
CHECKED BY		F. Mauldin	July 1987
5. OFFICE INSPECTION PRIOR TO FIELD EDIT <u>Final Review</u> BY		F. Mauldin	July 1987
6. APPLICATION OF FIELD EDIT DATA BY		NA	
		CHECKED BY	
7. COMPILATION SECTION REVIEW Class III BY		F. Mauldin	July 1987
8. FINAL REVIEW Class III BY		L.O. Neterer	July 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L.O. Neterer	Sept 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dampsey	Nov 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		EL DAUGHERY	Nov 87

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC10(Z) (Z=153.15mm) Wild RC10(C) (C=88.46mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input 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	
84Z(C) 5295-5299	06-21-84	10:29	1:50,000	1.0 ft above MLW	
84C(I) 5954-5957	06-27-84	15:50	1:50,000	0.5 ft above MLW	
84C(I) 5867-5869	06-27-84	19:20	1:50,000	6.4 ft above MLW	
				Mean Tide Range = 7.1 ft	

REMARKS

Stage of tide for all photographs was based on predicted tide data using Eatons Neck Point gage

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from office interpretation of the above listed compilation/bradging color photographs using stereo instrument methods. The tide coordinated black and white infrared photographs 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 black and white tide coordinated photographs.

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	CM-8315, TP-01289	TP-01271	TP-01267

REMARKS

TP-01268

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Dunford	Nov 85
2. HORIZONTAL CONTROL	J. Dunford	Nov 85
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	J. Dunford	Nov 85
3. VERTICAL CONTROL	NA	
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	NA	
RECOVERED (Triangulation Stations) BY	NA	
LOCATED (Field Methods) BY	NA	
IDENTIFIED BY	NA	
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	NA
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Photoidentified

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
84Z (C) 5296	Judy 1932 (2 subpoints selected)		
84Z (C) 5298	Ziegler 1932 (3 subpoints sel.)		

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)

2 forms 76-86 Abstract of Directions

3 forms 76-19 H-P Meter Observation

2 forms 76-53 (CSI cards)

2 forms 75-82A Station Description-short forms

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Jul 1987	Class III Manuscript		
Final Review	Jul 1987	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
2			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 ~~501~~ 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 <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-01268

This 1:20,000 scale map is one of six maps at 1:20,000 scale in project CM-8312, Western Long Island Sound, Throgs Neck, New York, to Saugatuck River, Connecticut. The project extends from latitude 41° 10' 00" longitude 73° 20' 00" southwest to latitude 40° 41' 00" longitude 73° 51' 00".

Photographic coverage was provided in June 1984 with the "Z" camera (focal length 153.15 millimeters) using color film at 1:50,000 scale and the "C" camera (focal length 88.46 millimeters) using infrared film at 1:50,000 scale taken at mean high water and mean low water based on predicted tide data.

Field work prior to compilation was accomplished during November 1985. This consisted of photoidentification of horizontal control to satisfy aerotriangulation requirements.

Analytic aerotriangulation was adequately performed at the Washington Science Center in February 1987. 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 photography, in June 1987.

Final review was performed at the Atlantic Marine Center in July 1987.

A Chart Maintenance Print, for Marine Charts Branch, and Notes to the 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-8312
WESTERN LONG ISLAND SOUND

FEBRUARY 1987

21. AREA COVERED

This shoreline mapping project covers Western Long Island Sound Throgs Neck, New York to Saugatuck River, Connecticut. There are six 1:20,000-scale sheets that cover the job area, TP-01266 through TP-01271.

22. METHOD

Three strips of 1:50,000-scale photographs: 84-Z(C)5293 to 5306, 84-Z(C)5314 to 5326, 84-Z(C)5335 to 5345 were bridged by analytical aerotriangulation methods and adjusted to ground using field identified control. Office identified intersection stations were used as checks. The original film was used in place of film positives.

Tie points were used to ensure adequate junctions of all strips and were used as supplemental control.

Ratio values were determined for the mean high and low water infrared photographs and for the bridging/compilation photographs. A copy of the values is attached to this report.

A magnetic tape was generated with the bridged points based on the New York, Long Island Sound Coordinate System. These coordinates are referenced to the Lambert Conic Projection.

23. ADEQUACY OF CONTROL

The control for this project is adequate for the job and meets the National Ocean Service's requirements. A listing of closures to control is attached.

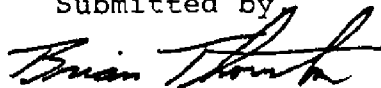
24. SUPPLEMENTAL DATA

USGS topographic quadrangles were used to obtain vertical control for bridging.

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>
△ Fairfield Dupont Stack	Sub Pt. A	294101	+ 1.1	+ 1.2
△ Fairfield Dupont Stack	Sub Pt. B	294102	- 1.3	- 1.2
Fairfield Dupont Stack	Sub Pt. C	294103	-11.9	-10.1
△ Judy	Sub Pt. A	296101	- 3.7	- 1.3
Judy	Sub Pt. B	296102	-34.1	+10.4
△ Ziegler	Sub Pt. A	298101	+ 4.1	0.0
Ziegler	Sub Pt. B	298102	0.0	+ 1.7
△ Ziegler	Sub Pt. C	298103	+ 3.7	+ 1.4
△ Nine	Sub Pt. A	303101	- 3.6	- 0.8
Nine	Sub Pt. B	303102	- 5.4	+ 0.3
△ Nine	Sub Pt. C	303103	- 4.0	+ 1.6
△ Hiscock	Sub Pt. A	306101	+ 2.9	- 1.4
△	Sub Pt. B	306102	+ 0.7	+ 0.5

STRIP #50-3

□ Tie from Strip #50-4	325801	- 1.9	- 2.6
Tie from Strip #50-4	325802	- 1.2	- 4.7
Tie from Strip #50-4	325803	- 4.4	- 8.8
Tie from Strip #50-4	325804	+15.7	- 4.0
□ Tie from Strip #50-4	323801	+ 0.5	+ 0.6
Tie from Strip #50-4	323802	+ 1.7	0.0
Tie from Strip #50-4	323803	0.0	- 2.3
□ Tie from Strip #50-4	324801	+ 1.7	+ 1.0
Tie from Strip #50-4	324802	- 1.1	+ 1.9
Tie from Strip #50-4	324803	0.0	- 0.6
Tie from Strip #50-4	322801	- 2.0	- 0.3
□ Tie from Strip #50-4	322802	- 2.0	+ 4.0
Tie from Strip #50-4	322803	- 1.4	- 2.6
□ Tie from Strip #50-4	321801	+ 1.8	- 1.1
Tie from Strip #50-4	321802	+ 1.1	- 3.5
Tie from Strip #50-4	321803	+ 0.9	- 3.0
□ Tie from Strip #50-4	320801	+ 1.4	+ 0.2
Tie from Strip #50-4	320802	- 0.5	+ 2.7
Tie from Strip #50-4	320803	+ 1.3	- 1.0
Tie from Strip #50-4	319801	+ 1.6	- 1.1
□ Tie from Strip #50-4	319802	- 0.8	- 1.2

2

Tie from Strip #50-4	319803	- 1.4	- 1.3
□ Tie from Strip #50-4	317801	- 2.2	- 2.3
Tie from Strip #50-4	317802	- 1.3	- 2.2
Tie from Strip #50-4	317803	- 1.6	- 2.4
Tie from Strip #50-1	344801	+ 3.5	- 3.4
Tie from Strip #50-1	344802	+ 3.1	- 3.9
Tie from Strip #50-1	344803	+ 2.6	- 4.5
Tie from Strip #50-4	315801	+ 1.1	+ 0.6
Tie from Strip #50-4	315802	+ 0.4	+ 4.8
Tie from Strip #50-4	315803	+ 1.7	+ 1.7
Circle #6	Sub Pt. 1 314101	+ 3.9	+ 2.9
□ Tie from Strip #50-4	Sub Pt. 2 314102	+ 1.3	+ 1.5
	316801	+ 1.2	+ 0.5
	316802	- 0.7	+ 2.8
	316803	+ 1.7	+ 4.9

STRIP #50-4

△ Circle #6	Sub Pt. 1 314101	+ 1.0	- 1.5
△ Circle #6	Sub Pt. 2 314102	- 0.2	0.0
△ Payne	Sub Pt. A 317101	- 0.6	+ 1.8
△	Sub Pt. B 317102	- 1.0	- 0.4
△ Tippet	Sub Pt. A 320101	+ 0.7	- 0.8
△	Sub Pt. B 320102	- 2.6	+ 3.7
△ Huntington Sta. W.T.	Sub Pt. A 323101	+ 3.9	- 2.6
△	Sub Pt. B 323102	+ 2.0	- 3.0
	Sub Pt. C 323103	+ 0.8	- 2.1
△ Fleet	Sub Pt. A 325101	- 1.8	+ 0.4
△ Fleet	Sub Pt. B 325102	- 1.4	+ 2.5
Fleet	Sub Pt. C 325103	- 0.1	+ 1.2

RATIO VALUES

CM-8312

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

84-C(R) 5863-5880	Ratio 2.538
84-C(R) 5882-5897	Ratio 2.533
84-C(R) 5899-5915	Ratio 2.531

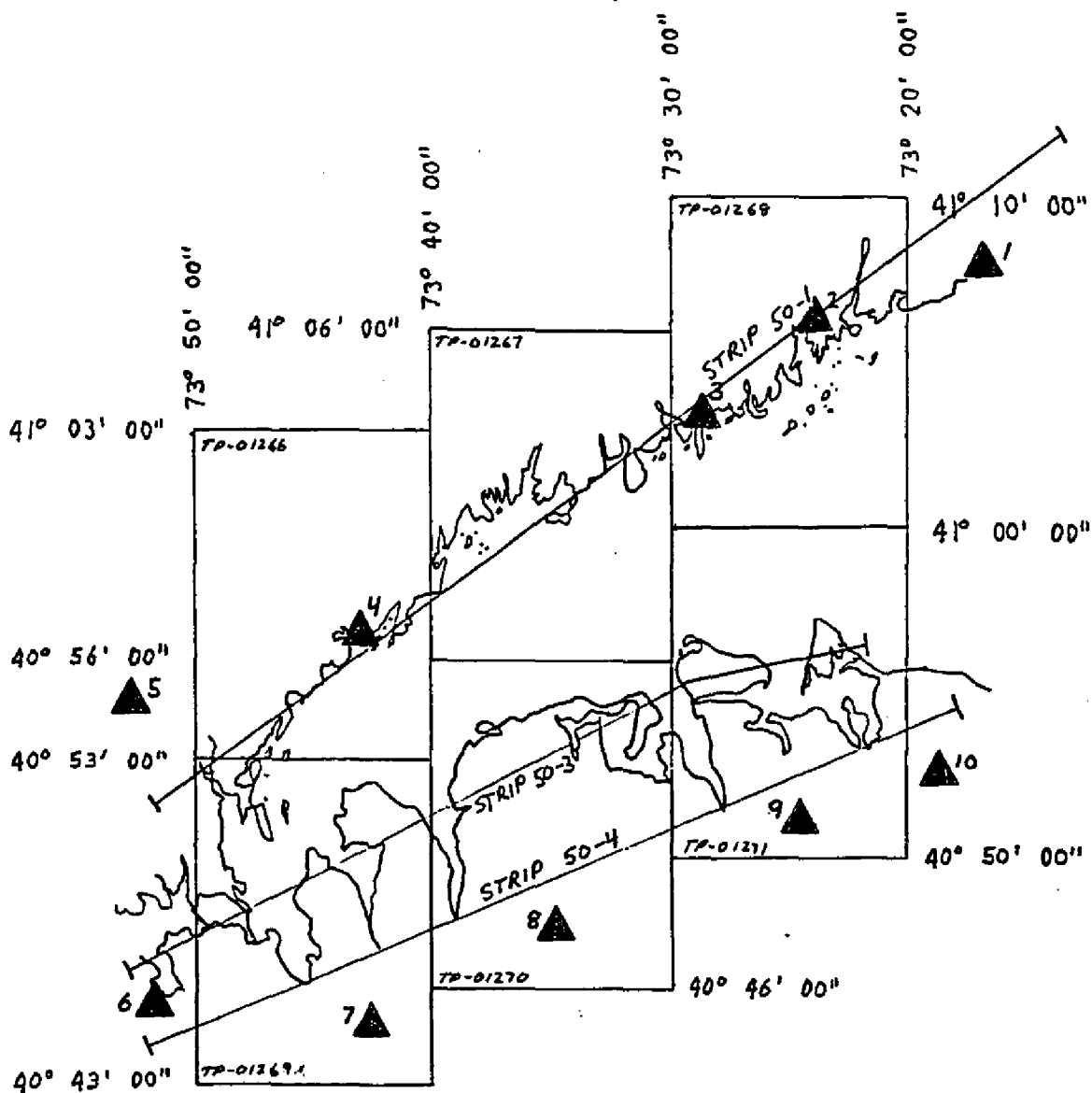
MLW 1:50,000-Scale Black-and-White Infrared

84-C(R) 5917-5931	Ratio 2.546
84-C(R) 5933-5943	Ratio 2.557
84-C(R) 5945-5960	Ratio 2.551

Bridging Photographs 1:50,000 Color

84-Z(C) 5293-5306	Ratio 2.545
84-Z(C) 5314-5326	Ratio 2.554
84-Z(C) 5335-5345	Ratio 2.549

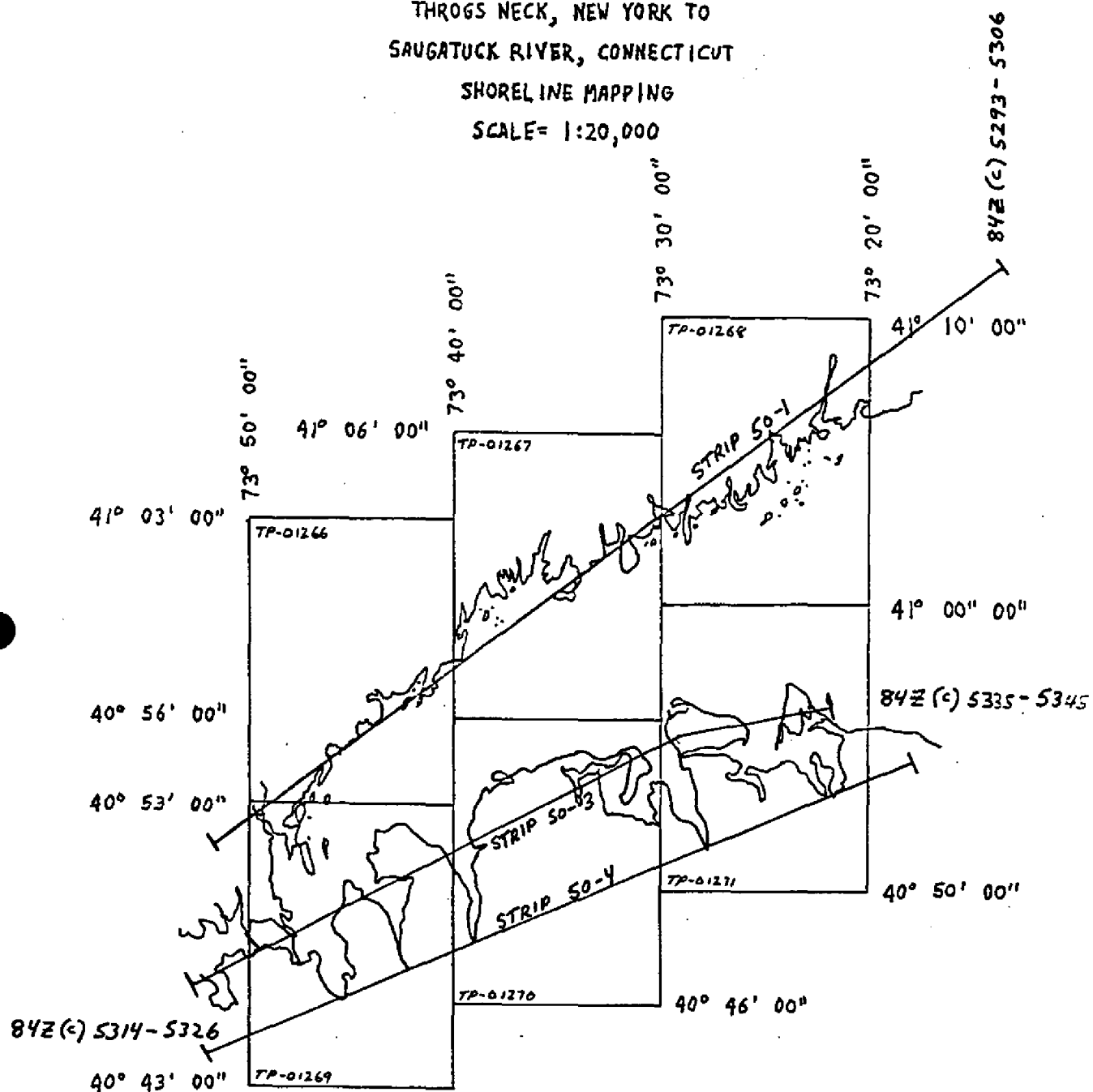
JOB CM-8312
 WESTERN LONG ISLAND SOUND
 THROGS NECK, NEW YORK TO
 SAUGATUCK RIVER, CONNECTICUT
 SHORELINE MAPPING
 SCALE= 1:20,000



HORIZONTAL CONTROL

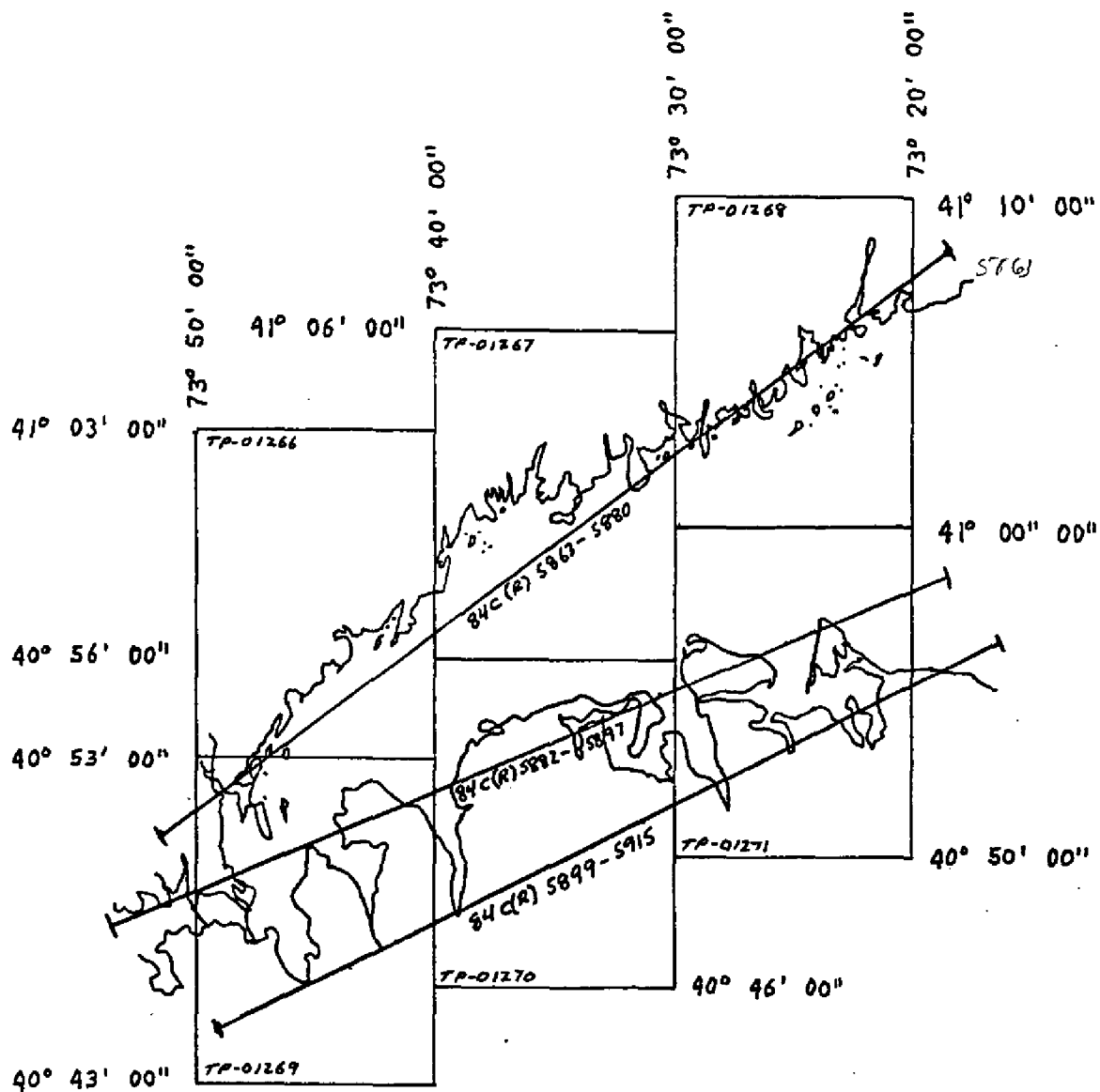
- | | |
|---------------------------|----------------------------------|
| 1. FAIRFIELD DUPONT STACK | 6. CIRCLE #6 |
| 2. JUDY | 7. PAYNE |
| 3. ZIEGLER | 8. TIPPETT |
| 4. NINE | 9. HUNTINGTON STATION WATER TANK |
| 5. HISCOCK | 10. FLEET |

JOB CM-8312
 WESTERN LONG ISLAND SOUND
 THROGS NECK, NEW YORK TO
 SAUGATUCK RIVER, CONNECTICUT
 SHORELINE MAPPING
 SCALE= 1:20,000



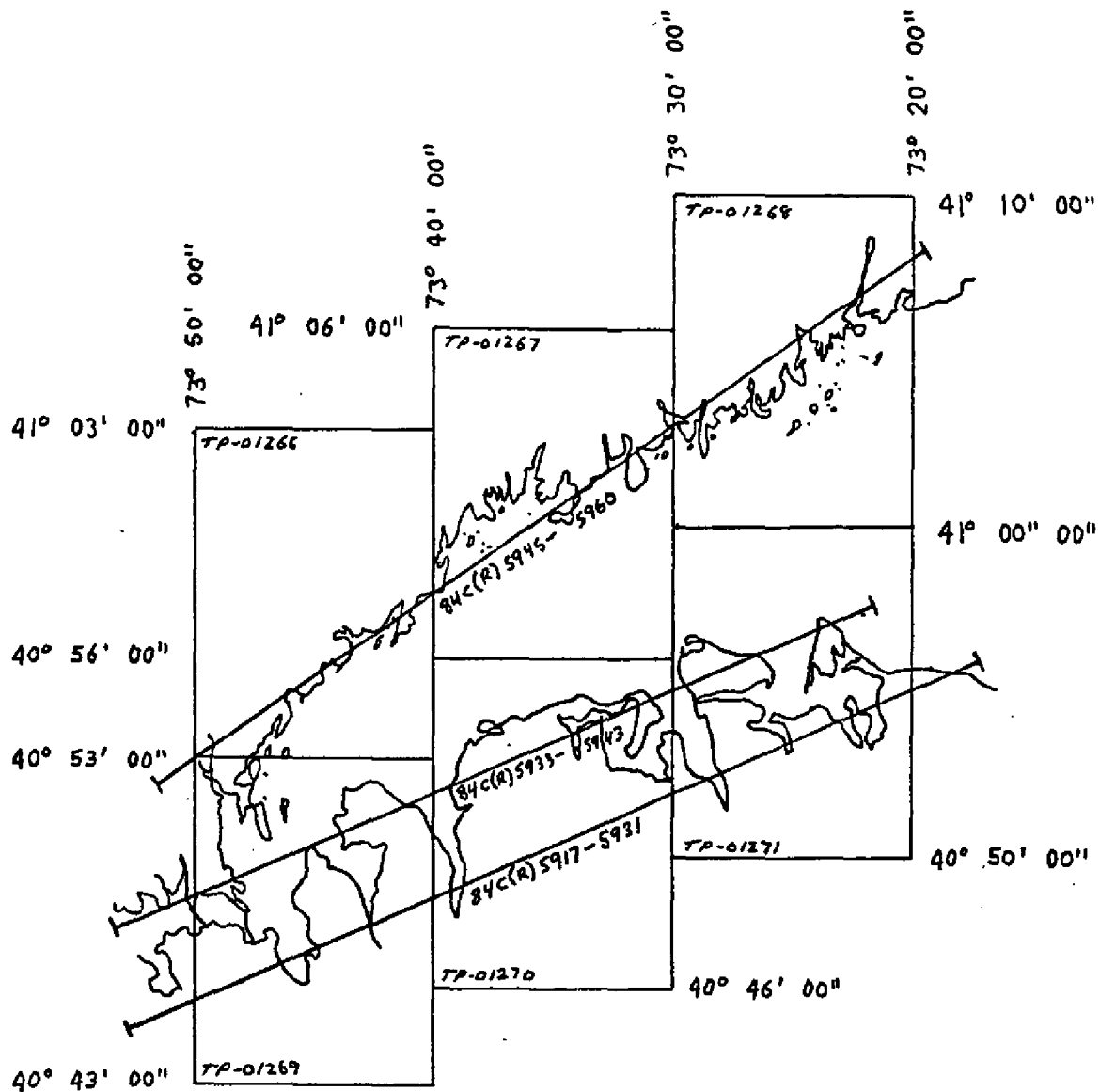
1:50,000 Color BRIDGING

JOB CM-8312
 WESTERN LONG ISLAND SOUND
 THROGS NECK, NEW YORK TO
 SAUGATUCK RIVER, CONNECTICUT
 SHORELINE MAPPING
 SCALE= 1:20,000



1:50,000 MHW

JOB CM-8312
 WESTERN LONG ISLAND SOUND
 THROGS NECK, NEW YORK TO
 SAUGATUCK RIVER, CONNECTICUT
 SHORELINE MAPPING
 SCALE = 1:20,000



1:50,000 MLW

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-01268		JOB NO. CM-8312		GEODEIC DATUM 1927 N.A.		ORIGINATING ACTIVITY Coastal Mapping Unit, AMC, Norfolk, VA		REMARKS	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		φ LATITUDE	λ LONGITUDE	
			STATE	Zone	New York	Long Island			
PECKS LEDGE ✓ LIGHTHOUSE, 1932	QUAD 410732 STA 1134	42 ✓	X=	Y=	X=	Y=	φ 41 04 38.047 ✓	λ 73 22 12.864 ✓	
ROUND BEACH BEACON, 1932 ✓	QUAD 410732 STA 1142	50 ✓	X=	Y=	X=	Y=	φ 41 04 42.266 ✓	λ 73 24 00.712 ✓	
JUDY, 1932 ✓	QUAD 410732 STA 1095	38 ✓	X=	Y=	X=	Y=	φ 41 06 38.406 ✓	λ 73 22 37.271 ✓	
SAUGATUCK RR BRIDGE S TRANSM TR, 1932 ✓	QUAD 410732 STA 1148	37 ✓	X=	Y=	X=	Y=	φ 41 07 10.024 ✓	λ 73 22 03.627 ✓	
ZIEGLER, 1932 ✓	QUAD 410732 STA 1194	62 ✓	X=	Y=	X=	Y=	φ 41 02 38.360 ✓	λ 73 28 42.022 ✓	
GREENS LEDGE LIGHTHOUSE 2, 1942 ✓	QUAD 410732 STA 1087	60 ✓	X=	Y=	X=	Y=	φ 41 02 29.599 ✓	λ 73 26 39.454 ✓	
			X=	Y=	X=	Y=	φ	λ	
			X=	Y=	X=	Y=	φ	λ	
			X=	Y=	X=	Y=	φ	λ	
			X=	Y=	X=	Y=	φ	λ	
			X=	Y=	X=	Y=	φ	λ	
			X=	Y=	X=	Y=	φ	λ	
COMPUTED BY		DATE	COMPUTATION CHECKED BY				DATE		
LISTED BY	A. L. Grimes	DATE	LISTING CHECKED BY				DATE		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY				DATE		

COMPILATION REPORT

TP-01268

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 ratio 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 instrument compilation of coastal detail and common image points.

The approximate mean low water line for Copps Island, latitude 41 03.5', longitude 73 23.3', was delineated graphically as described above using tide coordinated mean low water infrared ratio 83C(I)0532 from the adjacent project, CM-8315, map TP-01289. This was necessary due to insufficient photograph coverage of the area in project CM-8312.

All photographs used to compile this map are listed on NOAA form 76-36B. The color compilation photography was adequate, however, in some areas glare on the water made the delineation of offshore detail difficult.

32. CONTROL:

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated February 1987.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was compiled by 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 photographs. The photographs were ratioed in order to make an accurate check with the 1:20,000 scale map.

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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.

The mean low water infrared photographs were ratioed in order to graphically compile the approximate mean low water line as described in item #31. There appeared to be some inconsistency in tone when the ratios were processed from the contacts.

37. LANDMARKS AND AIDS:

There are thirty-one charted landmarks and fourteen charted aids to navigation within the limits of this map. Among these, nineteen landmarks and nine 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:

Westport, Connecticut; dated 1960, photoinspected 1975, photo-revised 1971; scale 1:24,000

Sherwood Point, Connecticut-New York; dated 1960, photorevised 1971; scale 1:24,000

Norwalk South, Connecticut; dated 1960, photorevised 1984; scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

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

12363; 32nd edition; dated October 18, 1986; scale 1:80,000

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

12368; 19th edition; dated August 30, 1986; scale 1:20,000

TP-01268

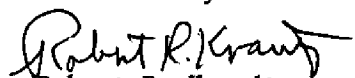
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

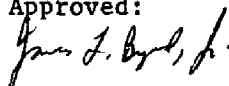


Robert R. Kravitz

Cartographic Technician

July 14, 1987

Approved:



James L. Byrd, Jr.

Chief, Coastal Mapping Unit

GEOGRAPHIC NAMES

FINAL NAME SHEET

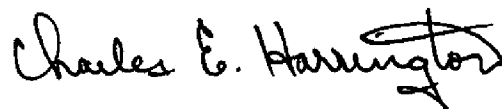
CM-8312 (Throgs Neck, NY to Saugatuck River, CT)

TP-01268

Amtrak (RR)	Great Reef
Ballast Reef	Gregory Point
Bell Island	Gut, The
Bermuda Lagoon	Hay Island
Betts Island	Hendricks Point
Bluff Point	Hoyt Island
Butlers Island	Jennings Point
Calf Pasture Beach	Judy Point
Calf Pasture Island	Keyser Point
Calf Pasture Point	Kitts Island
Canfield Island	Lee Pond
Cedar Hammock	Little Hammock
Cedar Point	Little Tavern Island
Charles Creek	Long Beach
Chimon Island	Long Island Sound
Chimon Rocks	Long Neck
Cockenoe Island	Long Neck Point
Cockenoe Harbor	Manresa Island
Compo	Mill Creek
Compo Beach	Nash Island
Compo Cove	Noroton
Compo Yacht Basin	Noroton Point
Contentment Island	Norwalk
Copps Island	Norwalk Harbor
Cove Harbor	Norwalk Islands
Crow Island	Norwalk River
Deadman Brook	Oyster Shell Point
Dog Island	Peach Island
Duck Creek	Peartree Point
East Norwalk	Pine Point
East White Rock	Plains, The
Farm Creek	Pratt Island One
Ferry Point	Pratt Island Two
Fish Islands	Ram Bay
Fitch Point	Raymond Rocks
Fivemile River	Roton Point
Goodwives River	Round Beach
Goose Island	Rowayton
Gorham Pond	Sandy Hammock
Grassy Island	Saugatuck
Grassy Hammock Rocks	Saugatuck River
Grays Creek	Saugatuck Shores
Great Island	Scott Cove

Seymour Point
Seymour Rock
Shea Island
Sheffield Island
Sheffield Island Harbor
Sherwood Millpond
South Norwalk
Sprite Island
Stony Point
Tavern Island
Tokeneke Creek
Tree Hammock
Village Creek
Westport
White Rock
Wilson Cove
Wilson Point
Wood Island

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services

REVIEW REPORT
SHORELINE

TP-01268

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:

Norwalk South, Connecticut, dated 1960, photorevised 1986,
Sherwood Point, Connecticut, dated 1960, photorevised 1971,
Westport, Connecticut, dated 1960, photorevised 1971,
photo-inspected 1975;
these three quadrangles are 1:24,000 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Not applicable, this map will be registered as a Class III Final Map.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS Charts:

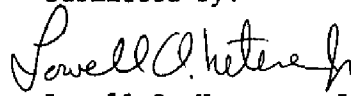
12363, 32nd edition, dated October 18, 1986, scale 1:80,000
12364, 25th edition, dated January 10, 1987, scale 1:40,000
12368, 19th edition, dated August 30, 1986, scale 1:20,000

TP-01268

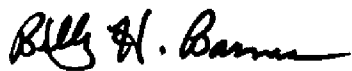
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

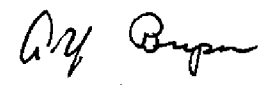

Lowell O. Neterer, Jr.
Final Reviewer
July 31, 1987

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

PAGE 1 OF 2

PROJECT NUMBER: CM-8312

PROJECT NAME: Throgs Neck, NY to Saugatuck River, CT

MAP NUMBER: TP-01268

SCALE: 1:20,000

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 clarification of NCD Quality (Q.C.) and Cartographic (CARTO) Codes.

FEATURE DESCRIPTION	CARTO CODE	GEOGRAPHIC POSITION		NCD Q.C.	DATE OF LOCATION
		LATITUDE	LONGITUDE		
GREENS LEDGE LIGHT ✓	139 ✓	41 02 29.60 ✓	73 26 39.45 ✓	3 ✓	6/21/84 ✓
MANRESA ISLAND SOUTHERLY LIGHT ✓	200 ✓	41 04 14.60 ✓	73 24 31.00 ✓	7 ✓	6/21/84 ✓
MANRESA ISLAND NORTHERLY LIGHT ✓	200 ✓	41 04 17.60 ✓	73 24 28.30 ✓	7 ✓	6/21/84 ✓
NORWALK CHANNEL LIGHT 10 ✓	200 ✓	41 04 08.80 ✓	73 24 29.20 ✓	7 ✓	6/21/84 ✓
NORWALK CHANNEL LIGHT 11 ✓	200 ✓	41 04 23.40 ✓	73 24 22.20 ✓	7 ✓	6/21/84 ✓
NORWALK CHANNEL LIGHT 14 ✓	139 ✓	41 04 43.27 ✓	73 24 00.71 ✓	3 ✓	6/21/84 ✓
FITCH POINT LIGHT 1 ✓	200 ✓	41 05 30.50 ✓	73 24 21.80 ✓	7 ✓	6/21/84 ✓
GRASSY HAMMOCK LIGHT 8 ✓	200 ✓	41 04 35.50 ✓	73 23 02.60 ✓	7 ✓	6/21/84 ✓
PECK LEDGE LIGHT ✓	139 ✓	41 04 38.05 ✓	73 22 12.86 ✓	3 ✓	6/21/84 ✓
SPIRE ✓	086 ✓	41 03 37.90 ✓	73 29 17.60 ✓	7 ✓	6/21/84 ✓
TANK ✓	086 ✓	41 04 30.30 ✓	73 29 30.10 ✓	7 ✓	6/21/84 ✓

Listing approved by:

Lowell Chute
FINAL REVIEWER

July 31, 1987
DATE

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION
CM-8312

TP-0126~~8~~⁹

PAGE 2 OF 2

<u>FEATURE DESCRIPTION</u>	<u>CARTO CODE</u>	<u>GEOGRAPHIC POSITION</u> <u>LATITUDE</u> <u>LONGITUDE</u>	<u>NCD Q.C.</u>	<u>DATE OF LOCATION</u>
TANK ✓	086 ✓	41 04 24.70 ✓ - 73 26 01.10 ✓	7 ✓	6/21/84 ✓
TANK (SPHERICAL) ✓	086 ✓	41 05 28.40 ✓ - 73 26 04.90 ✓	7 ✓	6/21/84 ✓
OLD TOWER (ABAND LH) ✓	086 ✓	41 02 55.40 ✓ - 73 25 10.80 ✓	7 ✓	6/21/84 ✓
STACK ✓	086 ✓	41 04 20.50 ✓ - 73 24 41.20 ✓	7 ✓	6/21/84 ✓
SPIRE ✓	086 ✓	41 05 33.50 ✓ - 73 25 42.00 ✓	7 ✓	6/21/84 ✓
TANK ✓	086 ✓	41 06 05.00 ✓ - 73 25 42.60 ✓	7 ✓	6/21/84 ✓
TOWER ✓	086 ✓	41 06 00.30 ✓ - 73 25 01.30 ✓	7 ✓	6/21/84 ✓
TOWER ✓	086 ✓	41 06 02.10 ✓ - 73 24 52.00 ✓	7 ✓	6/21/84 ✓
TANK ✓	086 ✓	41 06 09.60 ✓ - 73 24 23.10 ✓	7 ✓	6/21/84 ✓
TANK ✓	086 ✓	41 06 59.00 ✓ - 73 25 30.70 ✓	7 ✓	6/21/84 ✓
SPIRE ✓	086 ✓	41 07 08.00 ✓ - 73 24 32.60 ✓	7 ✓	6/21/84 ✓
SPIRE ✓	086 ✓	41 07 14.40 ✓ - 73 24 28.50 ✓	7 ✓	6/21/84 ✓
MICRO TOWER ✓	086 ✓	41 07 41.50 ✓ - 73 23 26.20 ✓	7 ✓	6/21/84 ✓
TOWER ✓	086 ✓	41 07 08.50 ✓ - 73 22 13.40 ✓	7 ✓	6/21/84 ✓
SAUGATUCK R.R. BRIDGE S. TRANS TR 1932 ✓	139 ✓	41 07 10.02 ✓ - 73 22 03.63 ✓	3 ✓	6/21/84 ✓
SIGNAL ✓	086 ✓	41 03 33.50 ✓ - 73 23 14.70 ✓	7 ✓	6/21/84 ✓
TANK ✓	086 ✓	41 07 43.50 ✓ - 73 27 33.20 ✓	7 ✓	6/21/84 ✓

Listing approved by:

FINAL REVIEWER

DATE

Forrest A. Hatcher

July 31, 1987

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]