

TP-01266

TP-01266

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-01266

Edition No.

1

Job No.

CM-8312

Map Classification

CLASS III FINAL

Type of Survey

SHORELINE

## LOCALITY

State

NEW YORK - CONNECTICUT

General Locality

THROGSNECK, NY TO SAUGATUCK RIVER, CT

Locality

MAMARONECK HARBOR

1984 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		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.		SURVEY TP. 01266 MAP EDITION NO. (1) MAP CLASS III Final JOB <del>XXX</del> CM-8312	
I. INSTRUCTIONS DATED		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
1. OFFICE Compilation - March 26, 1987		2. FIELD Control - July 31, 1984	
II. DATUMS 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN 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) OTHER (Specify)	
3. MAP PROJECTION Lambert Conformal Projection		4. GRID(S) STATE New York      ZONE Long Island	
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	Feb 1987
2. CONTROL AND BRIDGE POINTS magnetic PLOTTED BY METHOD: xynetics 1201 tape transfer CHECKED BY		D. Norman	Feb 1987
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:20,000 CONTOURS BY CHECKED BY		P. Evans	Mar 1987
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted SCALE: 1:20,000 CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY		F. Mauldin/J. Byrd	Mar 1987
5. OFFICE INSPECTION PRIOR TO FIELD final review		NA	
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		NA	
7. COMPILATION SECTION REVIEW Class III BY		F. Mauldin	Apr 1987
8. FINAL REVIEW Class III BY		L.O. Neterer, Jr.	Jun 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L.O. Neterer, Jr.	Sept. 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dempsey	NOV. 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		EL DAVE-HERN	NOV 87

NOAA FORM 76-36B  
(3-72)

TP-01266

U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 (Z) (Z=153.15mm) Wild RC-10 (C) (C= 88.46mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
84Z(C) 5302-5306	6/21/84	1029	1:50,000	1.0 ft above MLW	
84C(I) 5873-5877	6/27/84	0922	1:50,000	6.4 ft above MLW	
84C(I) 5947-5951	6/27/84	1547	1:50,000	0.5 ft above MLW	
				Mean Tide Range = 7.1 feet	

## 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/bridging color photographs using stereo instruments/methods. The tide coordinated black and white infrared photographs were used to assist in the interpretation of the mean high water 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 tide coordinated black and white infrared 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	TP-01267, TP-01270	TP-01269	No survey

REMARKS

TP-01266

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Dunford	Nov 1985
2. HORIZONTAL CONTROL	RECOVERED BY J. Dunford ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY J. Dunford	Nov 1985  Nov 1985
3. VERTICAL CONTROL	RECOVERED BY NA ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	  
4. LANDMARKS AND AIDS TO NAVIGATION	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 None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED  
Photoidentified2. VERTICAL CONTROL IDENTIFIED  
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
84Z(C)5303	NINE, 1933 (3 subpoints selected)		

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 observations

1 form 76-53 (CSI card)

1 form 75-65 Computation of Altitude and Time Azimuth

2 forms 75-63 Observations of sun for Azimuth and Time

NOAA FORM 76-36D  
(3-72)

CM-8312 TP-01266

U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Apr 1987	Class III Manuscript	None	None
Final Reviewed	June 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: \_\_\_\_\_

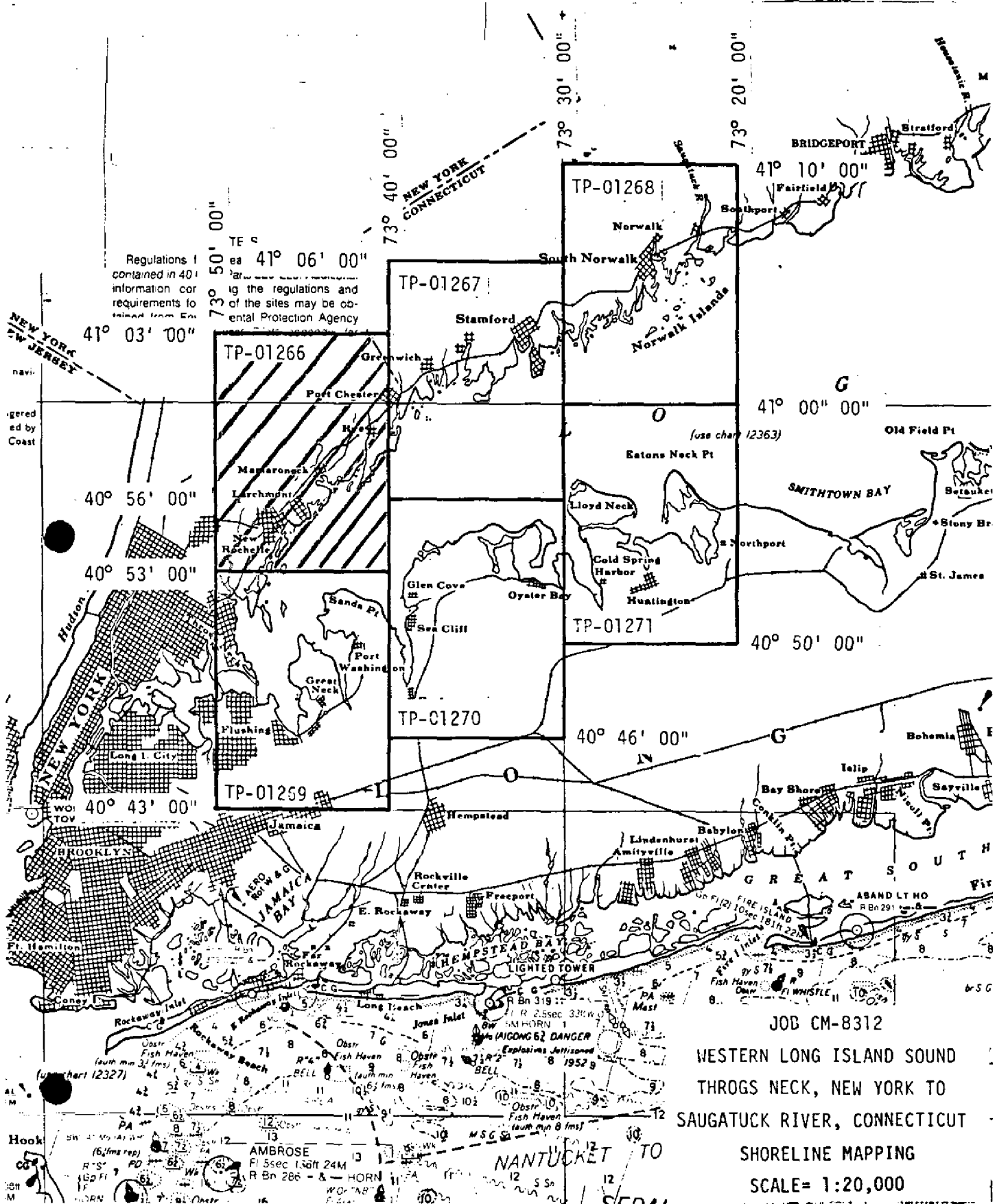
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. <sup>76-40</sup>~~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 <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	



Regulations contained in 40 CFR 150.101 through 150.104, information concerning the regulations and of the sites may be obtained from the Coastal Protection Agency

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

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01266

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  $41^{\circ} 10' 00''$  longitude  $73^{\circ} 20' 00''$  southwest to latitude  $40^{\circ} 43' 00''$  longitude  $73^{\circ} 51' 00''$ .

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 May 1987.

Final review was performed at the Atlantic Marine Center in June 1987. A Chart Maintenance Print, for Marine Charts Branch, and Notes to the Hydrographer, 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
□	Sub Pt. 2	314102	+ 1.3	+ 1.5
Tie from Strip #50-4		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

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## 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

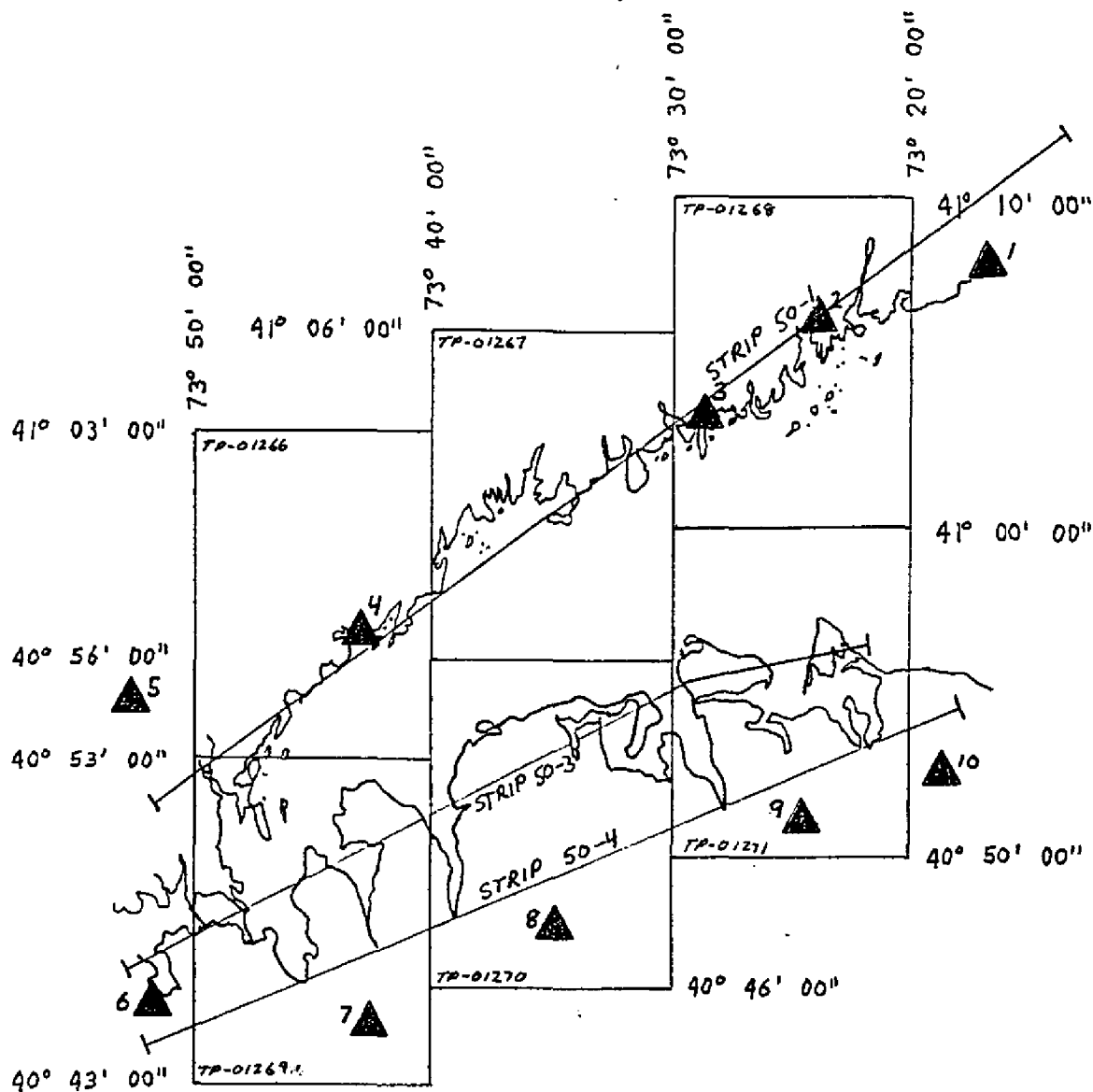
## MLW 1:50,000-Scale Black-and-White Infrared

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



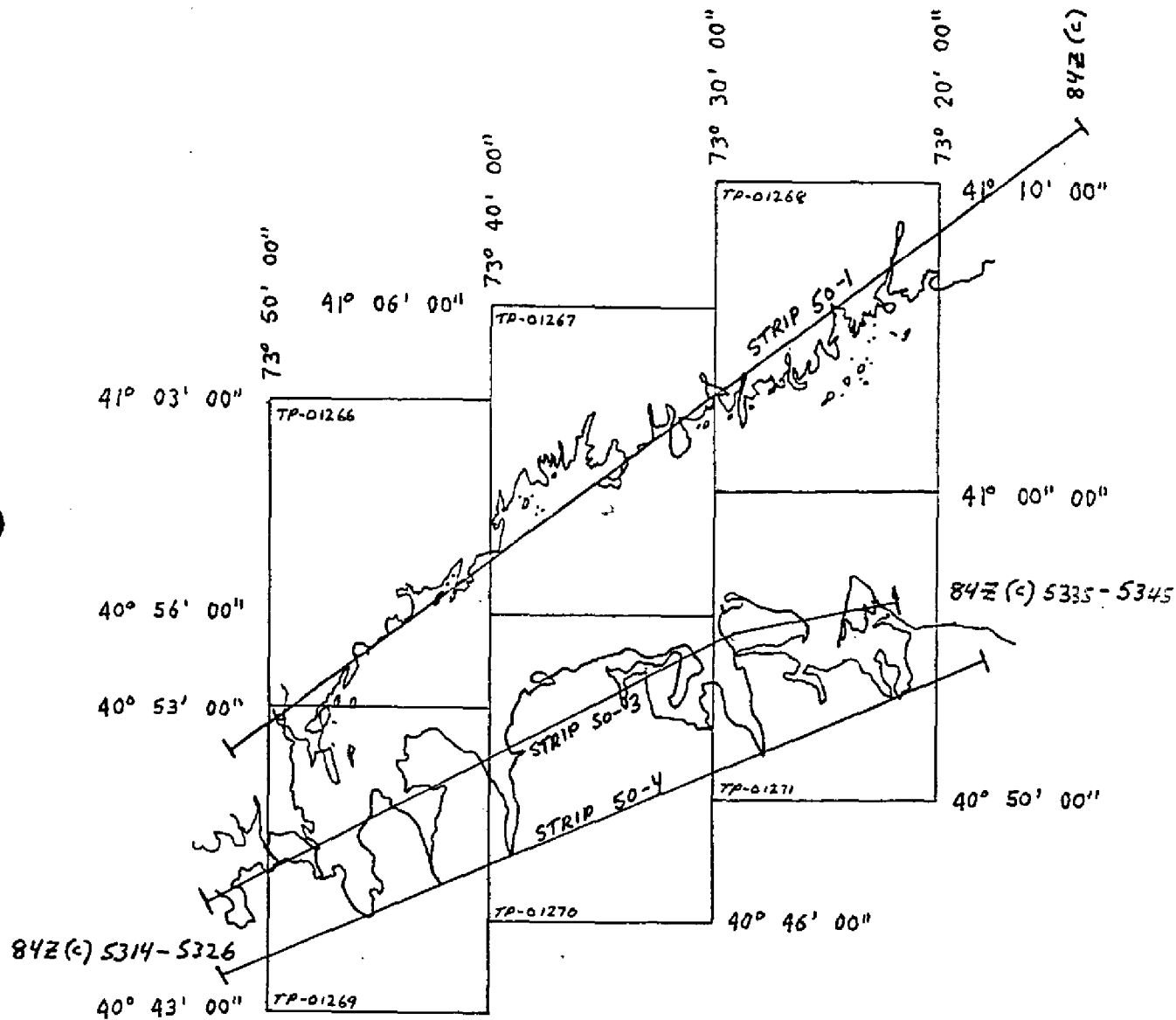
HORIZONTAL CONTROL

- |                           |                                  |
|---------------------------|----------------------------------|
| 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

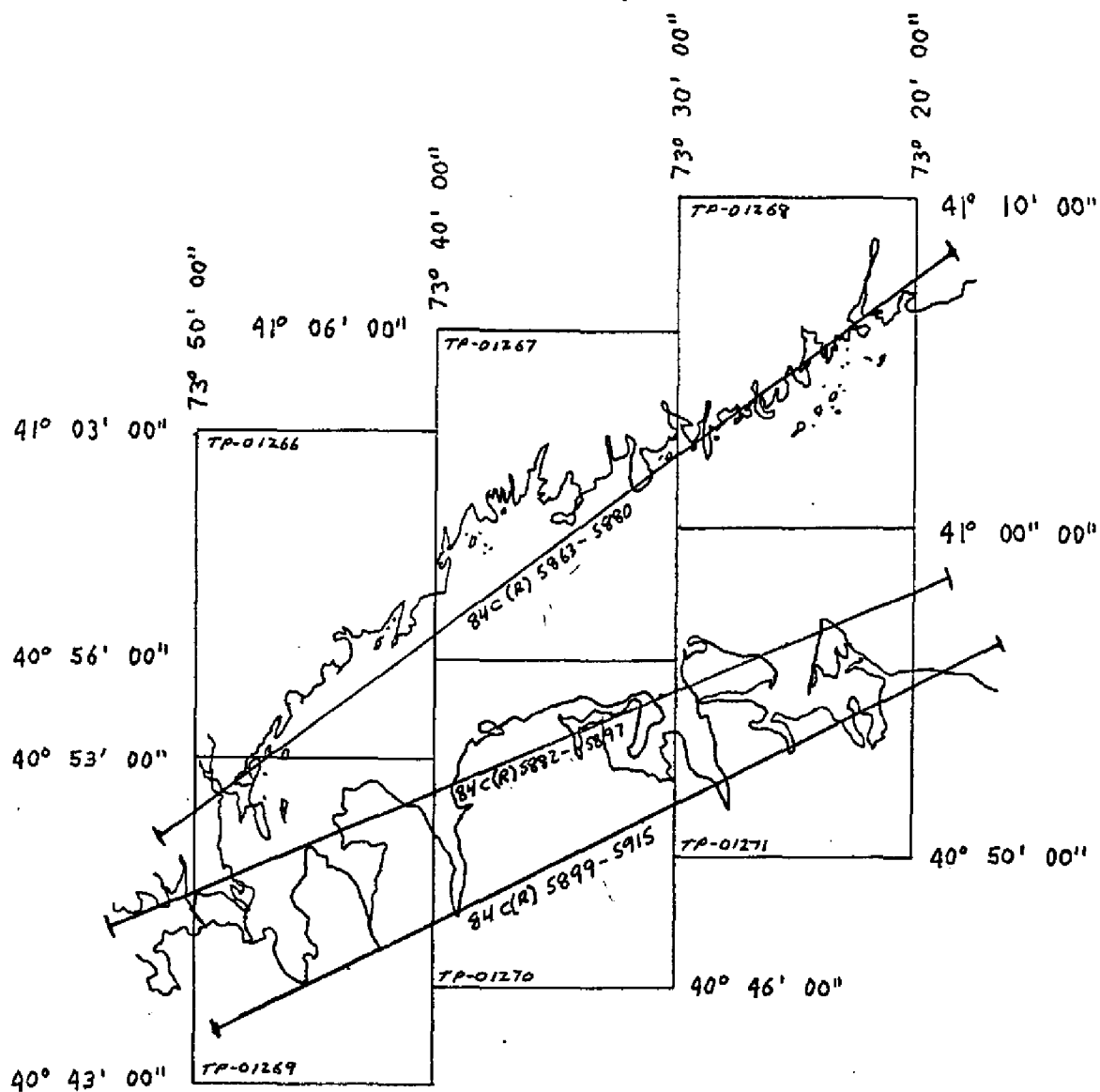
SHORELINE MAPPING

SCALE = 1:20,000



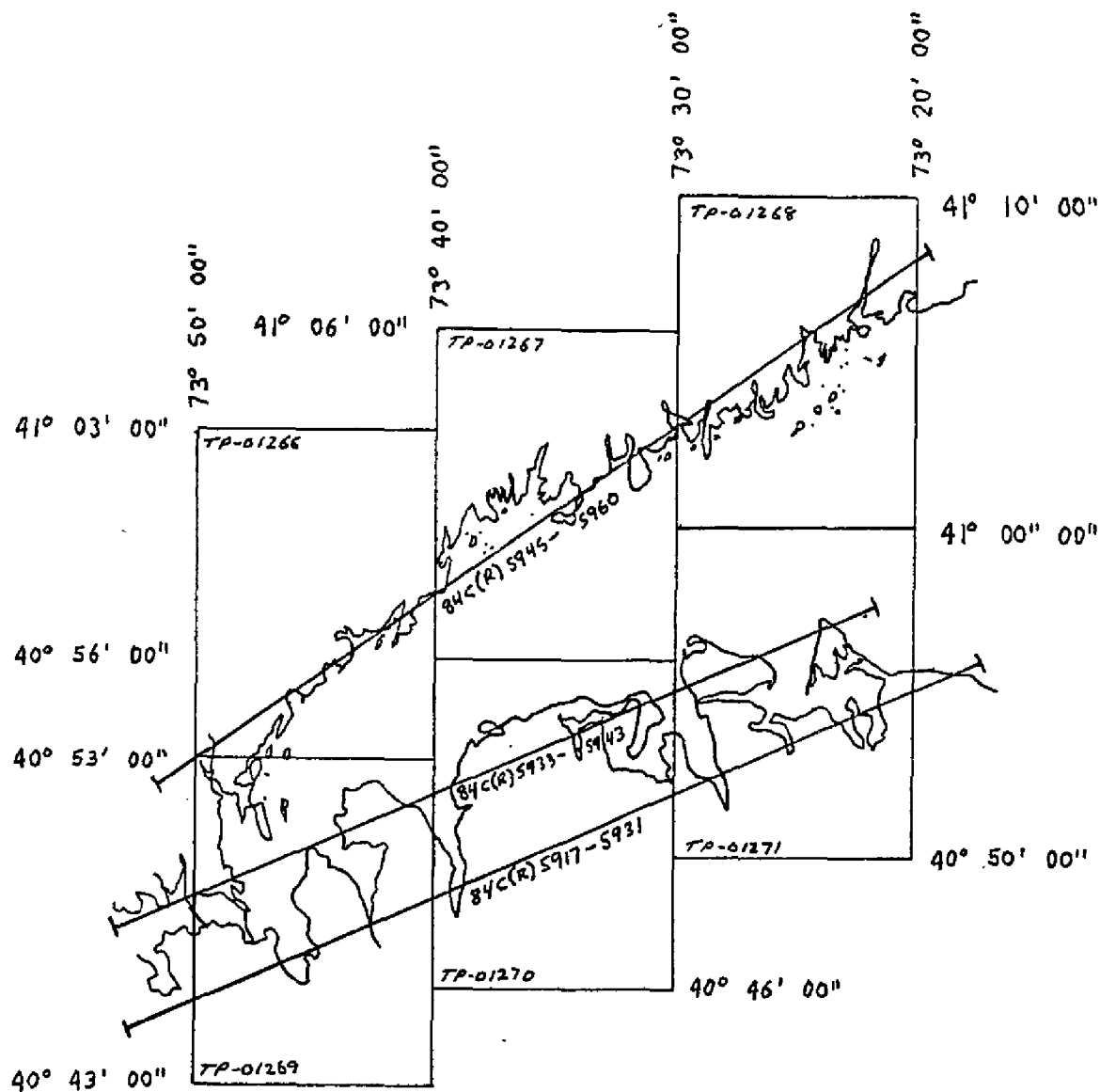
1:50,000 COLOR BRIDGING

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





## COMPILATION REPORT

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31. DELINEATION:

Delineation was accomplished using Wild B-8 stereo instrument 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 the instrument compilation of coastal detail.

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 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 photographs. These infrared photographs were ratioed in order to make an accurate check with the 1:20,000 scale map.

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 tide coordinated 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 contact photography.

37. LANDMARKS AND AIDS:

There are twenty charted landmarks and seven charted aids to navigation within the limits of this map. Among these, seventeen landmarks and three aids to navigation 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:

Mount Vernon, New York; dated 1966, photo revised 1979; scale  
1:24,000

Mamaroneck, New York-Connecticut; dated 1967; scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

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

12366; 20th edition; dated November 1, 1986; scale 1:20,000

12367; 17th edition; dated November 1, 1986; scale 1:20,000

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

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

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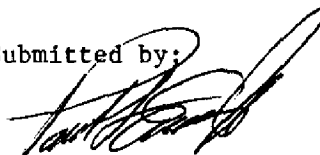
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

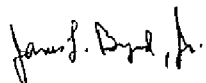
None.

Submitted by:



Paul L. Evans, Jr.  
Cartographic Technician  
April 16, 1987

Approved:



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

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

CM-8312 (Western Long Island Sound, NY)

TP-01266

Aunt Phebe Rock	Mamaroneck
Bailey Rock	Mamaroneck Harbor
Beaufort Point	Maries Neck
Black Tom (rock)	Middle Ground
Blind Brook	Milton
Bloomer Island	Milton Harbor
Cedar Island	Milton Point
Clifford Island	Neptune Island
Crab Island	New Rochelle
Crane Island	New Rochelle Harbor
Davenport Neck	North Ledge
Dauids Island	Oakland Beach (locality)
Delancey Cove	Orienta
Delancey Point	Orienta Point
Duck Point	Otter Creek
East Basin	Parsonage Point
Echo Bay	Pelham
Echo Island	Peningo Neck
Edgewater Point	Pine Brook
Ferris Creek	Pine Island (1)
Forlies Rocks	Pine Island (2)
Glen Island	Pine Island (3)
Goose Island	Playland
Greacen Point	Playland Lake
Greenhaven	Pops Rocks
Guion Creek	Premium Millpond
Harbor Island	Premium Point
Harrison Island	Premium River
Hen Island	Rye
Horseshoe Harbor	Rye Beach
Huckleberry Island	Satans Toe
Hutchinson River	Scotch Caps (rocks)
Isle of San Souci (locality)	Sedge Island
Kirby Pond	Shoofly Island
Larchmont	Shore Acres
Larchmont Harbor	South Ledge
Little Harbor Sound	Spike Island
Long Island Sound	Tank Island
Lower Harbor	Titus Mill Pond

Travers Island  
Umbrella Point  
Umbrella Rock  
Van Amringe Mill Pond  
West Basin  
West Rock

Approved:

*Charles E. Harrington*

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

REVIEW REPORT  
SHORELINE

TP-01266

61. GENERAL STATEMENT:

See Summary included with this descriptive report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with TP-00885, scale 1:10,000 dated July 1977, of Project CM-7403.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

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

Mamaroneck, New York-Connecticut, dated 1967; and  
Mount Vernon, New York, dated 1966, photo revised 1979, both 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:

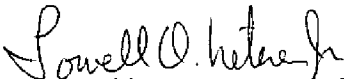
12363, 32nd edition, dated October 18, 1986, scale 1:80,000  
12364, 25th edition, dated January 10, 1987, scale 1:40,000  
12366, 20th edition, dated November 1, 1986, scale 1:20,000  
12367, 17th edition, dated November 1, 1986, scale 1:20,000

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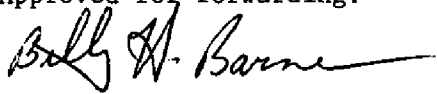
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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  
June 25, 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-01266 - Mamaroneck Harbor

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. All geographic positions are based on the N.A. 1927 Datum. Refer to Nautical Charting Division Standard Digital Data Exchange Format documentation for clarification of NCD Quality (Q.C.) and Cartographic (CARTO) Codes.

<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	139	40 53 14.72 - 73 46 16.20	3	6/21/84
MIDDLE OF ARCADE	86	40 54 26.90 - 73 45 38.10	7	6/21/84
SPIRE	86	40 54 55.40 - 73 46 06.00	7	6/21/84
RADIO TOWER	86	40 55 39.20 - 73 46 29.00	7	6/21/84
FLAGPOLE	86	40 55 27.50 - 73 44 41.30	7	6/21/84
MIDDLE CHIMNEY	86	40 56 50.40 - 73 44 16.30	7	6/21/84
INCINERATOR TOWER	86	40 56 50.80 - 73 44 01.50	7	6/21/84
TANK	139	40 57 40.57 - 73 45 01.19	3	6/21/84
SPIRE	86	40 57 05.00 - 73 43 46.10	7	6/21/84
WEST SPIRE	86	40 57 11.10 - 73 43 27.60	7	6/21/84
SOUTH CHIMNEY	86	40 56 58.00 - 73 41 01.50	7	6/21/84
WEST TWIN TOWER	86	40 57 50.20 - 73 40 41.70	7	6/21/84

Listing approved by:

  
FINAL REVIEWERJune 25, 1987  
DATE

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION  
CM-8312

TP-01266

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>
TOWER	86	40 58 03.10 - 73 40 23.60	7	6/21/84
TOWER, EAST	86	40 58 16.40 - 73 41 58.90	7	6/21/84
TOWER, WEST	86	40 58 16.30 - 73 42 00.10	7	6/21/84
BELFRY	86	40 59 22.80 - 73 40 03.30	7	6/21/84
TOWER	86	40 59 51.90 - 73 41 56.50	7	6/21/84
TOWER	993	40 58 16.50 - 73 41 57.00	7	6/21/84
AUNT PHEBE ROCK LIGHT 10	200	40 53 06.90 - 73 46 33.00	7	6/21/84
GLEN ISLAND LIGHT 15	200	40 53 20.10 - 73 46 51.30	7	6/21/84
LARCHMONT HARBOR LIGHT 2	200	40 55 04.60 - 73 43 54.00	7	6/21/84

Listing approved by:

Lowell Chittreps  
FINAL REVIEWER

June 25, 1987  
DATE

