

TP 01270

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

<i>Map No.</i> TP-01270	<i>Edition No.</i> I
<i>Job No.</i> CM-8312	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> NEW YORK-CONNECTICUT	
<i>General Locality</i> THROGS NECK, NY TO SAUGATUCK RIVER, CT	
<i>Locality</i> OAK NECK	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1984 TO 19 </div>	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) <div style="text-align: right; font-weight: bold;">U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.</div> <div style="text-align: center; font-weight: bold; margin-top: 20px;">DESCRIPTIVE REPORT - DATA RECORD</div>		<div style="border-bottom: 1px solid black; padding-bottom: 5px;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> SURVEY TP. <u>01270</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>CM-8312</u> </div>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr., CDR		<div style="border-bottom: 1px solid black; padding-bottom: 5px;"> LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> JOB <u>PH.</u> MAP CLASS <u>_____</u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u> </div>	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Compilation March 26, 1987		Control July 31, 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 Lambert Conformal Projection		4. GRID(S) STATE <u>New York</u> ZONE <u>Long Island</u>	
5. SCALE 1:20,000		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY _____		<u>B. Thornton</u>	<u>Feb. 1987</u>
2. CONTROL AND BRIDGE POINTS Xynetics PLOTTED BY METHOD: <u>1201 Magnetic Tape Transfer</u> CHECKED BY _____		<u>D. Norman</u> <u>F. Mauldin</u>	<u>Feb. 1987</u> <u>Mar. 1987</u>
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY _____		<u>R. Kravitz</u> <u>F. Mauldin</u> <u>N.A.</u> <u>N.A.</u>	<u>May 1987</u> <u>May 1987</u> <u> </u> <u> </u>
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Smooth Drafted</u> CONTOURS BY CHECKED BY SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY _____		<u>R. Kravitz</u> <u>F. Mauldin</u> <u>N.A.</u> <u>N.A.</u> <u>R. Kravitz</u> <u>F. Mauldin</u>	<u>May 1987</u> <u>June 1987</u> <u> </u> <u> </u> <u>May 1987</u> <u>June 1987</u>
5. OFFICE INSPECTION PRIOR TO Final Review BY		<u>F. Mauldin</u>	<u>June 1987</u>
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY _____		<u>N.A.</u> <u>N.A.</u>	<u> </u> <u> </u>
7. COMPILATION SECTION REVIEW <u>Class III</u> BY		<u>F. Mauldin</u>	<u>June 1987</u>
8. FINAL REVIEW <u>Class III</u> BY		<u>L. O. Neterer, Jr.</u>	<u>July 1987</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		<u>L. O. Neterer, Jr.</u>	<u>Sept. 1987</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		<u>P. Dempsey</u>	<u>Nov. 1987</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		<u>E. L. DAUGHERTY</u>	<u>NOV 87</u>

TP-01270

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C. 10 (Z) (Z=153.15mm) Wild R.C. 10 (C) (C=88.46mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Eastern	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				75th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
84Z(C)5318-5319	06-21-84	10:47	1:50,000	0.9 ft. above MLW	
84Z(C)5337-5341	06-21-84	11:06	1:50,000	0.9 ft. above MLW	
84C(I)5922-5923	06-27-84	15:15	1:50,000	0.6 ft. above MLW	
84C(I)5937-5940	06-27-84	15:30	1:50,000	0.5 ft. above MLW	
84C(I)5889-5891	06-27-84	09:37	1:50,000	6.5 ft. above MLW	
84C(I)5907-5908	06-27-84	09:54	1:50,000	6.5 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/bridging 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 above listed black and white tide coordinated 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
TP-01267	TP-01271	No Survey	TP-01266 TP-01269

REMARKS

TP-01270

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 N.A. PRE-MARKED OR IDENTIFIED BY J. Dunford	Nov. 1985 Nov. 1985
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	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

Photoidentified

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

84Z(C)5320

TIPPETT, 1966 (2 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☒ NONE

6. 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 76-86 Abstract of Directions

2 Forms 76-19 H - P Meter Observation

1 Form 76-53 (CSI Card)

1 Form 75-65 Computation of Altitude and Time Azimuth

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

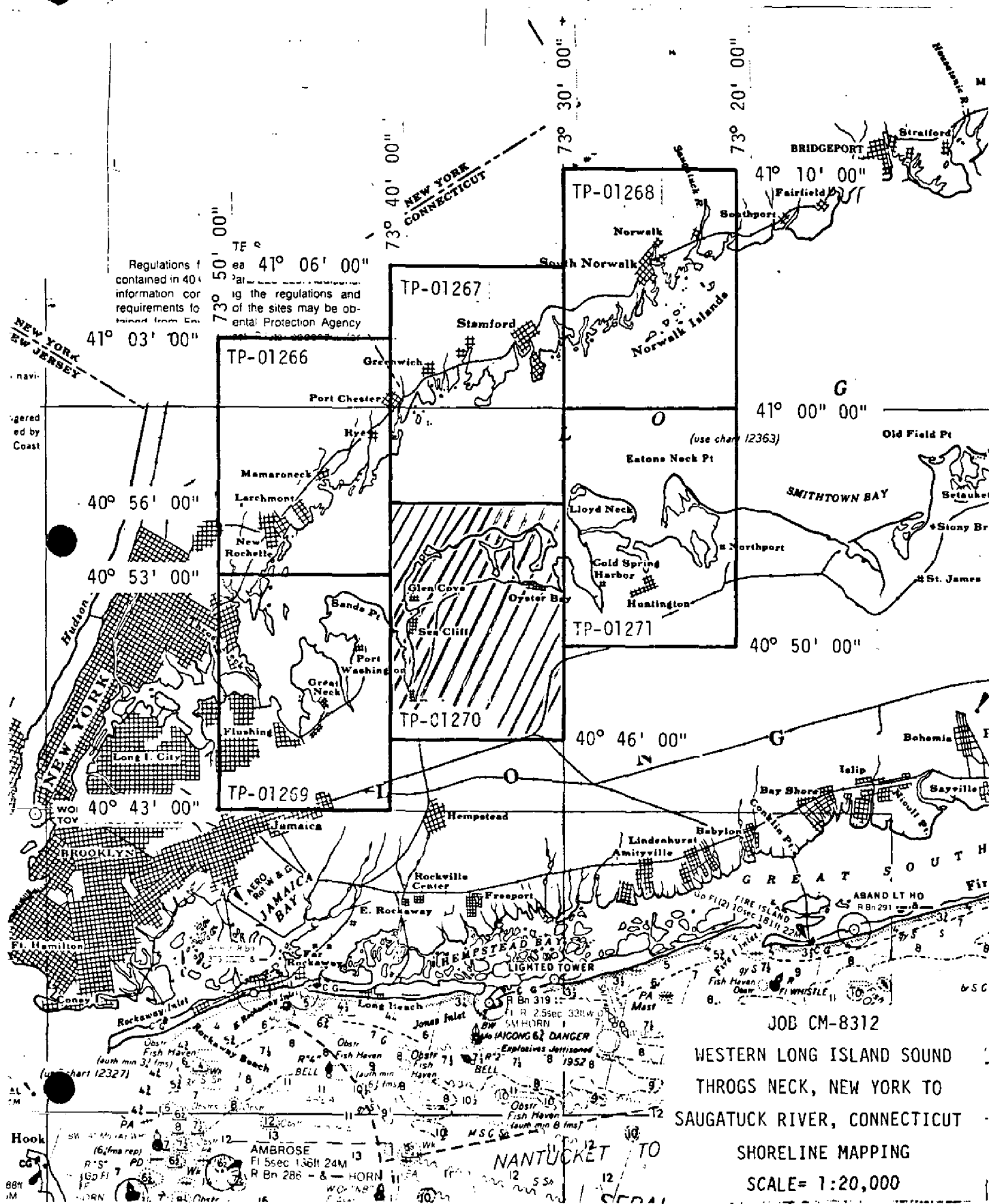
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS ~~76-40~~ 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
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01270

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.

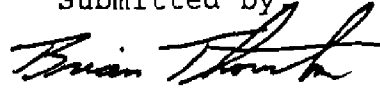
24. SUPPLEMENTAL DATA

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
△ Tippett	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

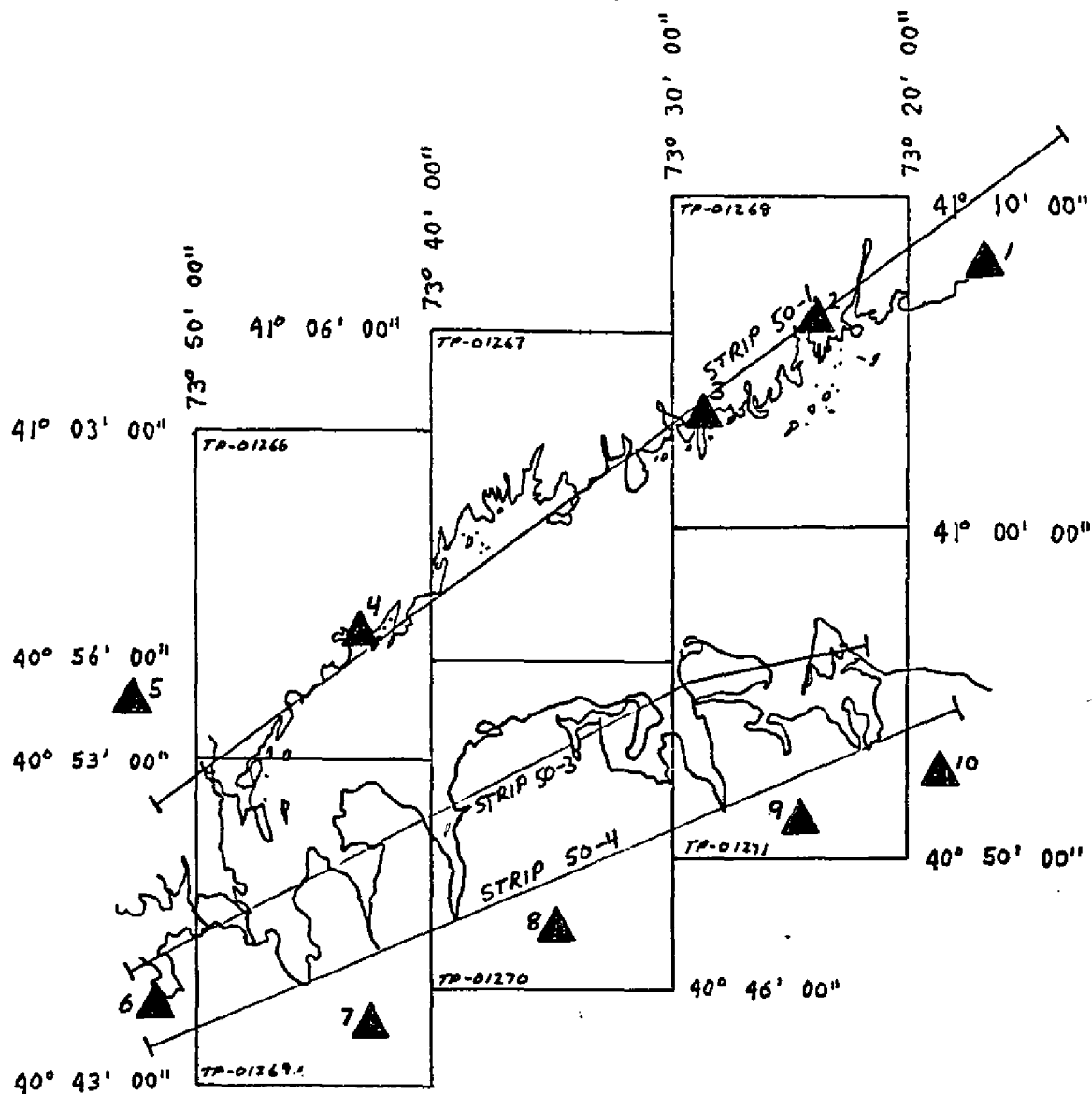
MLW 1:50,000-Scale Black-and-White Infrared

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

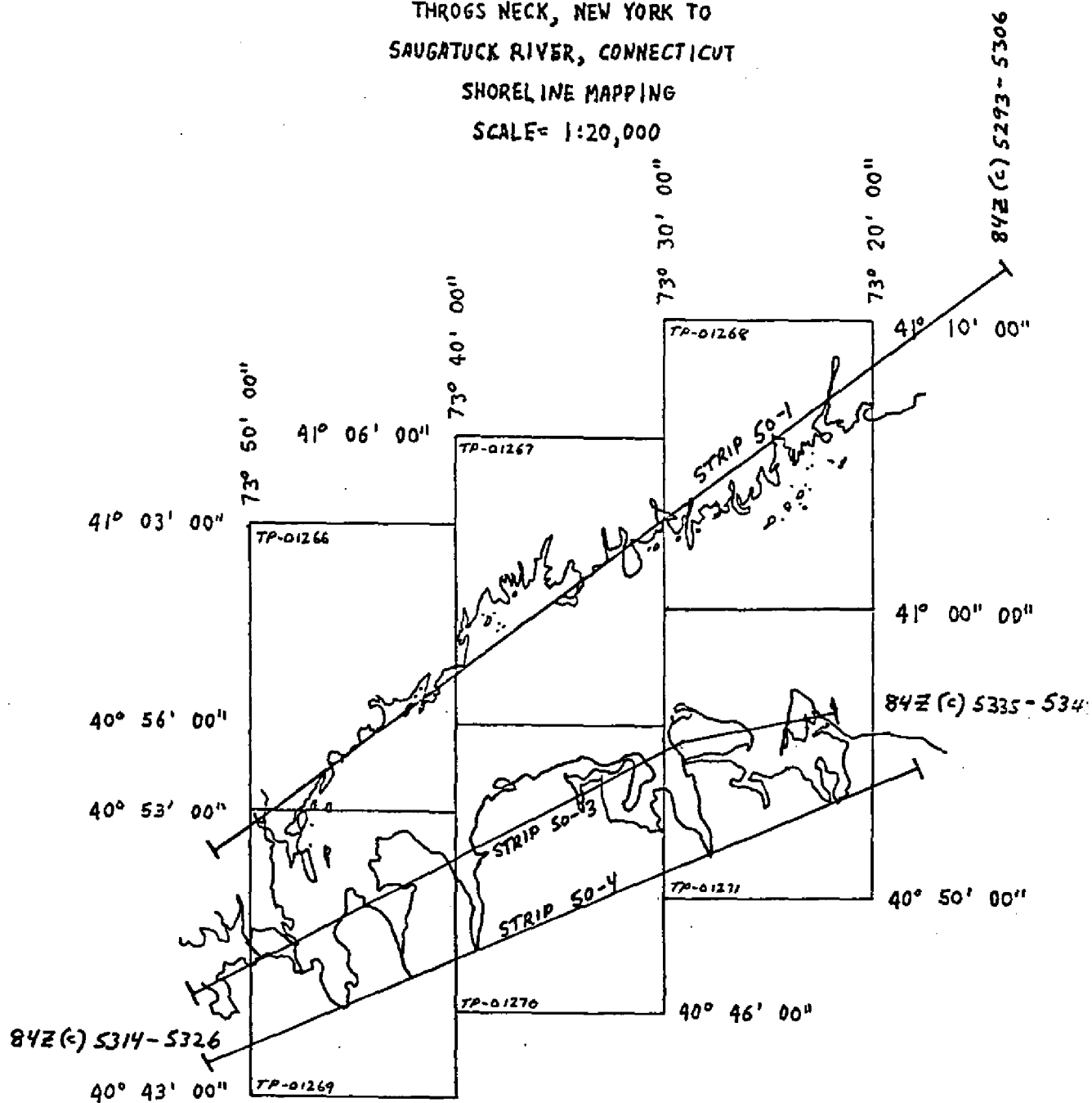
JOB CM-8312
 WESTERN LONG ISLAND SOUND
 THROGS NECK, NEW YORK TO
 SAUGATUCK RIVER, CONNECTICUT
 SHORELINE MAPPING
 SCALE= 1:20,000



HORIZONTAL CONTROL

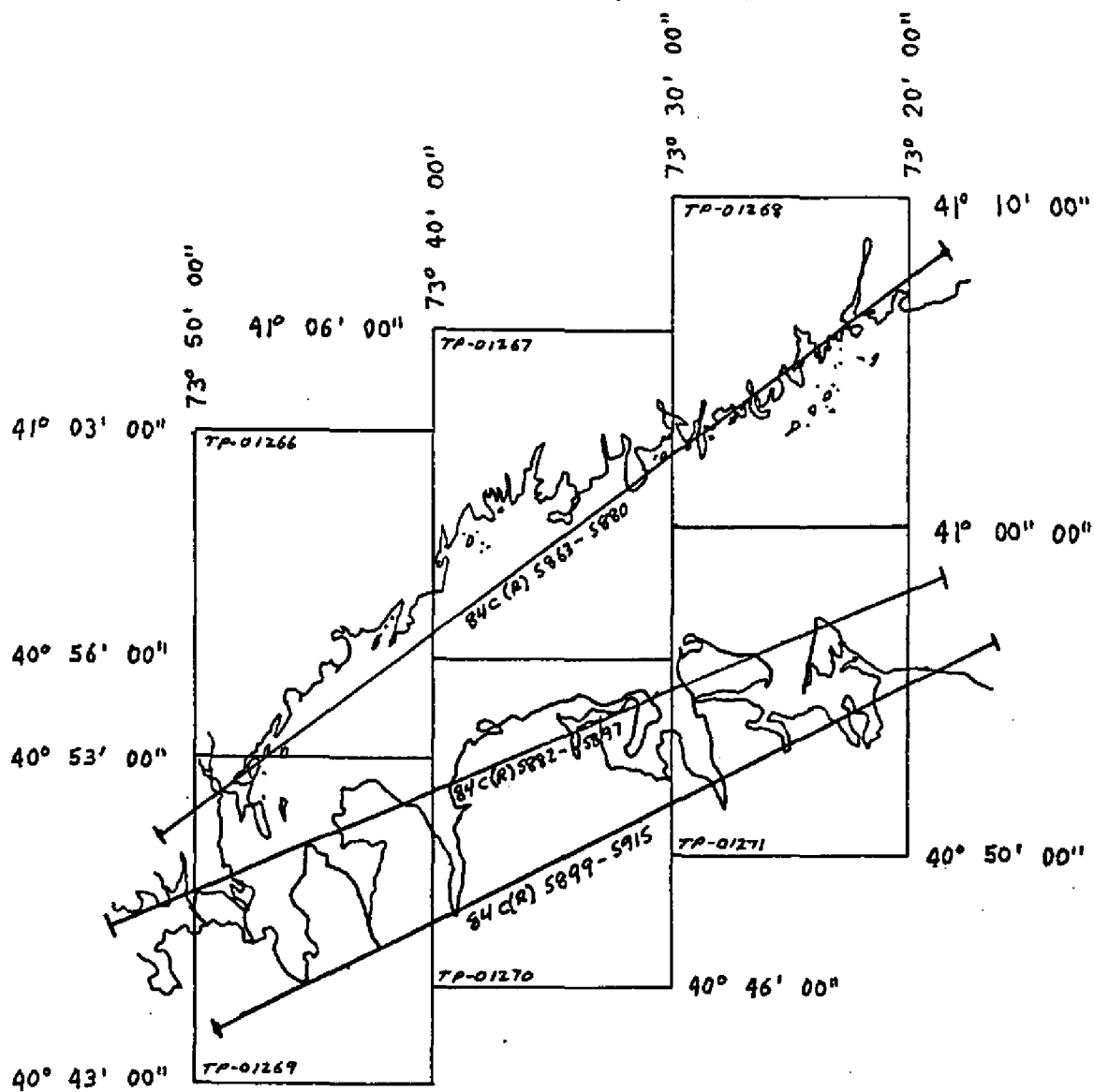
- | | |
|---------------------------|----------------------------------|
| 1. FAIRFIELD DUPONT STACK | 6. CIRCLE #6 |
| 2. JUDY | 7. PAYNE |
| 3. ZIEGLER | 8. TIPPETT |
| 4. NINE | 9. HUNTINGTON STATION WATER TANK |
| 5. HISCOCK | 10. FLEET |

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



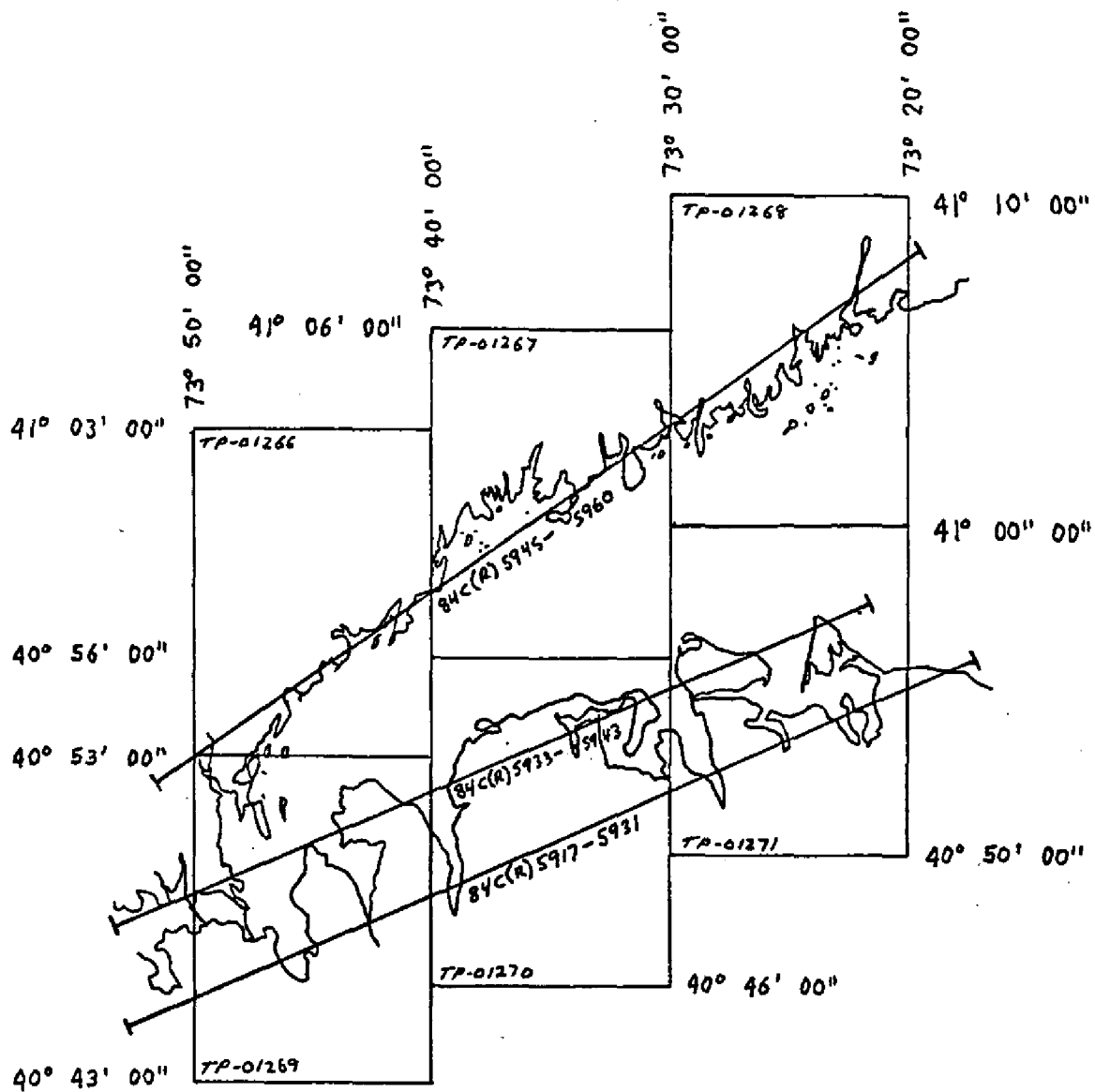
1:50,000 COLOR BRIDGING

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

COMPILATION REPORT

TP-01270

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 and common image points.

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. The 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.

TP-01270

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-three charted landmarks and two charted aids to navigation within the limits of this map. Among these, twenty-five landmarks and two 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:

Mamaroneck, New York-Connecticut; dated 1967; scale 1:24,000
Sea Cliff, New York; dated 1968, photo revised 1979; scale 1:24,000
Hicksville, New York; dated 1967, photo revised 1979; scale
1:24,000
Bayville, New York-Connecticut; dated 1967, photoinspected 1975;
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
12365; 19th edition; dated March 10, 1984; scale 1:20,000
12366; 20th edition; dated November 1, 1986; scale 1:20,000
12367; 17th edition; dated November 1, 1986; scale 1:20,000

TP-01270

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Robert R. Kravitz
Robert R. Kravitz
Cartographic Technician
May 21, 1987

Approved:

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-01270

Bar Beach	Matinecock Point
Bayville	Mill Neck
Beaver Lake	Mill Neck Creek
Beekman Beach	Mill Pond
Brickyard Point	Moses Point
Carpenter Point	Mosquito Cove
Centre Island	Motts Cove
Centre Island (locality)	Oak Neck
Centre Island Beach	Oak Neck Beach
Centre Island Reef	Oak Neck Creek
Cove, The	Oak Neck Point
Cove Neck	Oyster Bay
Cove Neck (locality)	Oyster Bay (locality)
Cove Point	Oyster Bay Cove
Creek Beach, The	Oyster Bay Harbor
Dosoris Island	Peacock Point
Dosoris Pond	Plum Point
East Beach	Red Spring Point
East Island (locality)	Rocky Point
Ferry Beach	Roslyn
Fox Point	Roslyn Harbor
Frost Creek	Roslyn Pond
Glen Cove	Sea Cliff
Glen Cove Creek	Stehli Beach
Glen Cove Landing	South Glenwood Landing
Glenwood Landing	Tappen Beach
Hempstead Harbor	Weeks Point (1)
Lattingtown	Weeks Point (2)
Long Island	West Harbor
Long Island (RR)	West Pond
Long Island Sound	

Approved:

Charles E. Harrington

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

REVIEW REPORT
SHORELINE

TP-01270

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:

Bayville, New York-Connecticut, dated 1967, photo
inspected 1975,
Hicksville, New York, dated 1967, photo revised 1979,
Mamaroneck, New York, dated 1967,
Sea Cliff, New York, dated 1968, photo revised 1979,
all four 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:

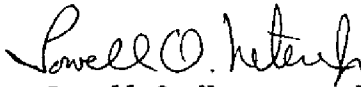
12363, 32nd edition, dated October 18, 1986, scale 1:80,000
12364, 25th edition, dated January 10, 1987, scale 1:40,000
12365, 19th edition, dated March 10, 1984, scale 1:20,000
12366, 20th edition, dated November 1, 1986, scale 1:20,000
12367, 17th edition, dated November 1, 1986, scale 1:20,000

TP-01270

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 14, 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-01270 - Oak Neck

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.

FEATURE DESCRIPTION	NCD CODE	GEOGRAPHIC POSITION		NCD Q.C.	DATE OF LOCATION
		LATITUDE	LONGITUDE		
GLEN COVE BREAKWATER ✓	200 ✓	40 51 42.80 ✓	- 73 39 38.90 ✓	7 ✓	6/21/84 ✓
BAR BEACH LIGHT ✓	200 ✓	40 49 53.90 ✓	- 73 39 13.40 ✓	7 ✓	6/21/84 ✓
CROSS ✓	86 ✓	40 48 23.40 ✓	- 73 38 47.40 ✓	7 ✓	6/21/84 ✓
STACK ✓	86 ✓	40 48 32.20 ✓	- 73 39 14.80 ✓	7 ✓	6/21/84 ✓
TOWER ✓	86 ✓	40 48 21.50 ✓	- 73 38 34.90 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 46 24.00 ✓	- 73 38 31.10 ✓	7 ✓	6/21/84 ✓
STACK S.E. OF TWO ✓	86 ✓	40 49 36.60 ✓	- 73 38 53.60 ✓	7 ✓	6/21/84 ✓
STACK N.W. OF TWO ✓	86 ✓	40 49 37.50 ✓	- 73 38 53.80 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 49 38.90 ✓	- 73 38 47.60 ✓	7 ✓	6/21/84 ✓
TOWER ✓	86 ✓	40 49 38.30 ✓	- 73 39 09.20 ✓	7 ✓	6/21/84 ✓
STANDPIPE ✓	86 ✓	40 50 58.40 ✓	- 73 38 41.50 ✓	7 ✓	6/21/84 ✓

Listing approved by:

Lowell O. Peter
FINAL REVIEWER

July 29, 1987
DATE

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION
CM-8312

TP-01270

PAGE 2 OF 2

<u>FEATURE DESCRIPTION</u>	<u>NCD CODE</u>	<u>GEOGRAPHIC POSITION</u> <u>LATITUDE</u> <u>LONGITUDE</u>	<u>NCD Q.C.</u>	<u>DATE OF LOCATION</u>
STACK ✓	86 ✓	40 51 38.70 ✓ - 73 38 23.70 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 51 46.10 ✓ - 73 38 40.80 ✓	7 ✓	6/21/84 ✓
TOWER ✓	86 ✓	40 52 16.00 ✓ - 73 39 00.00 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 50 03.00 ✓ - 73 37 38.80 ✓	7	6/21/84 ✓
GLEN COVE WATER TANK, 1966 ✓	139 ✓	40 51 32.27 ✓ - 73 37 28.51 ✓	3 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 51 22.00 ✓ - 73 31 23.80 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 51 35.40 ✓ - 73 30 37.90 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 51 56.30 ✓ - 73 32 26.60 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 52 02.70 ✓ - 73 34 59.50 ✓	7 ✓	6/21/84 ✓
SPIRE S.W. OF TWO ✓	86 ✓	40 52 18.20 ✓ - 73 31 44.30 ✓	7 ✓	6/21/84 ✓
SPIRE N.E. OF TWO ✓	86 ✓	40 52 19.60 ✓ - 73 31 41.40 ✓	7 ✓	6/21/84 ✓
CUPOLA ✓	86 ✓	40 53 15.40 ✓ - 73 31 33.30 ✓	7 ✓	6/21/84 ✓
STONE HOUSE ✓	86 ✓	40 54 04.90 ✓ - 73 30 30.00 ✓	7 ✓	6/21/84 ✓
TANK ✓	86 ✓	40 54 22.50 ✓ - 73 34 01.80 ✓	7 ✓	6/21/84 ✓
FLAGSTAFF ✓	86 ✓	40 54 08.60 ✓ - 73 30 49.90 ✓	7 ✓	6/21/84 ✓
MIDDLE CHIMNEY ✓	86 ✓	40 54 43.60 ✓ - 73 34 23.00 ✓	7 ✓	6/21/84 ✓

Listing approved by:

Lowell O. Heter
FINAL REVIEWER

July 29, 1987
DATE

