

TP-01269

TP - 01269

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-01269

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

Locality

MANHASSET BAY

1984 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr.		SURVEY TP. <u>01269</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final III</u> JOB <u>PH-CM-8312</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH- MAP CLASS SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
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 New York STATE Long Island	
5. SCALE 1:20,000		ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		BY <u>Br Thornton</u> <u>D. Norman</u>	
2. CONTROL AND BRIDGE POINTS METHOD: <u>magnetic tape</u> <u>synetics 1201 transfer</u>		PLOTTED BY <u>F. Mauldin</u> CHECKED BY	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:20,000</u>		PLANIMETRY BY <u>R. Kravitz</u> CHECKED BY <u>F. Mauldin</u> CONTOURS BY <u>NA</u> CHECKED BY <u>NA</u>	
4. MANUSCRIPT DELINEATION METHOD: <u>smooth drafted</u> SCALE: <u>1:20,000</u>		PLANIMETRY BY <u>R. Kravitz</u> CHECKED BY <u>F. Mauldin</u> CONTOURS BY <u>NA</u> CHECKED BY <u>NA</u> HYDRO SUPPORT DATA BY <u>R. Kravitz</u> CHECKED BY <u>F. Mauldin</u>	
5. OFFICE INSPECTION PRIOR TO FIELD <u>Final Review</u>		BY <u>F. Mauldin</u> CHECKED BY <u>NA</u>	
6. APPLICATION OF FIELD EDIT DATA		BY <u>NA</u> CHECKED BY <u>NA</u>	
7. COMPILATION SECTION REVIEW <u>Class III</u>		BY <u>F. Mauldin</u> CHECKED BY	
8. FINAL REVIEW <u>Class III</u>		BY <u>L.O. Neterer, Jr.</u> CHECKED BY	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY <u>L.O. Neterer, Jr.</u> CHECKED BY	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY <u>P. Dempsey</u> CHECKED BY	
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY <u>EL DAUGHERTY</u> CHECKED BY	

NOAA FORM 76-36B
(3-72)

TP-01269

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC10(C) (C=88.46mm)
Wild RC10(Z) (Z=153.15mm)TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

- ☒ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☐ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
(P) PANCHROMATIC
(I) INFRARED

ZONE

Eastern

MERIDIAN

75th

☒ STANDARD☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
84Z(C) 5305-5306	6/21/84	10:29	1:50,000	1.0 feet above MLW
84Z(C) 5316-5318	6/21/84	10:47	1:50,000	0.9 feet above MLW
84Z(C) 5341-5344	6/21/84	11:06	1:50,000	0.9 feet above MLW
84C(I) 5920-5921	6/27/84	15:15	1:50,000	0.6 feet above MLW
84C(I) 5940-5942	6/27/84	15:30	1:50,000	0.5 feet above MLW
84C(I) 5946-5947	6/27/84	15:44	1:50,000	0.5 feet above MLW
84C(I) 5877-5878	6/27/84	09:17	1:50,000	6.4 feet above MLW
84C(I) 5886-5888	6/27/84	09:37	1:50,000	6.5 feet above MLW
84C(I) 5908-5910	6/27/84	09:54	1:50,000	6.5 feet above MLW

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 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 TP-01266	EAST TP-01270	SOUTH No survey	WEST No survey
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REMARKS

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	J. Dunford	Nov 1985
RECOVERED BY	NA	
ESTABLISHED BY	J. Dunford	Nov 1985
PRE-MARKED OR IDENTIFIED BY	NA	
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) 5317	Payne 2, 1932 (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 ☒ 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 76-86 Abstract of Directions

2 forms 76-19 H-P meter observations

1 form 76-53 (CSI card)

1 form 75-82A Station Description - short form

2 forms 75-63 Observation of sun for Azimuth and time

NOAA FORM 76-36D
(3-72)

TP-01269

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	May 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
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: _____

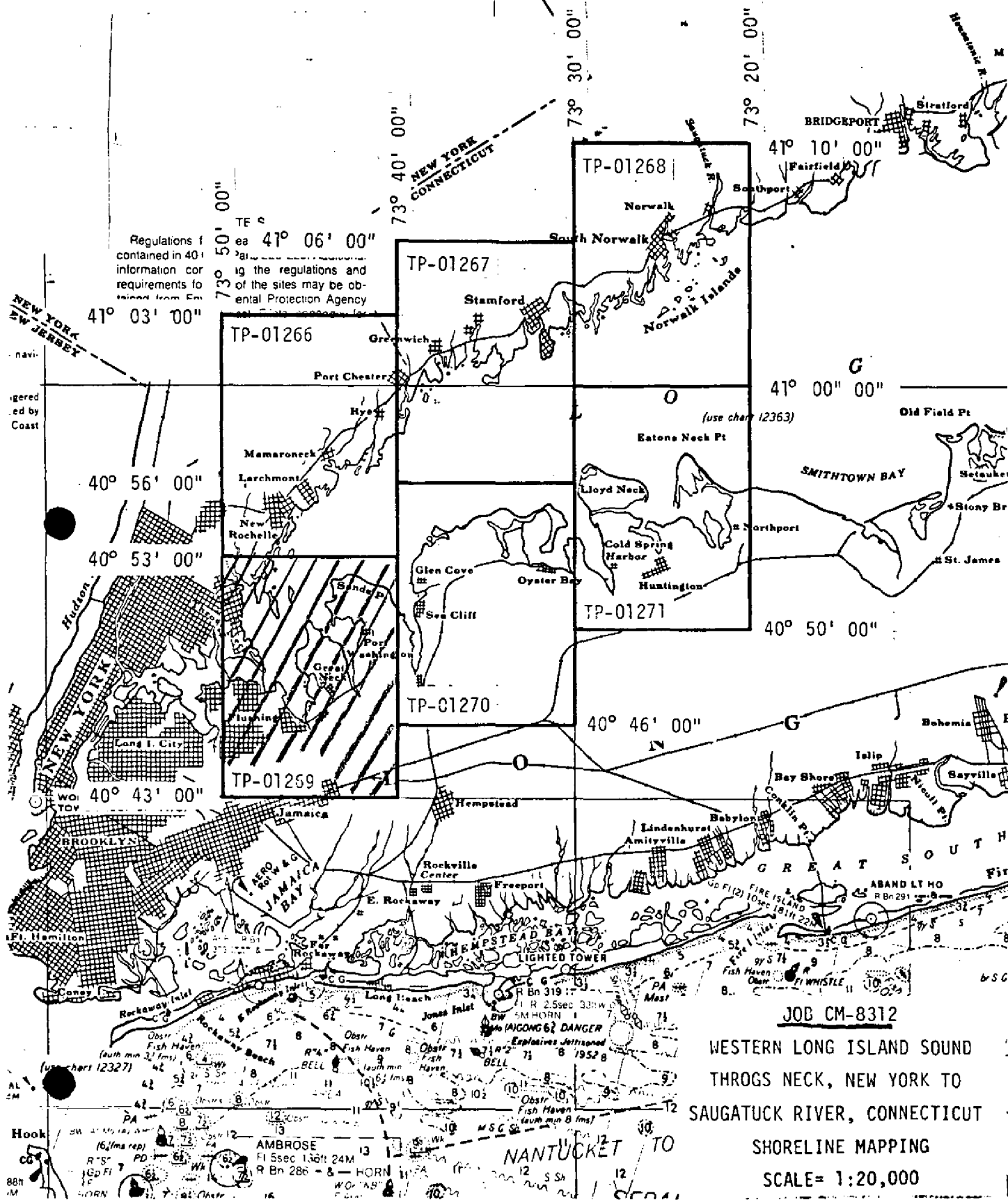
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 76-40⁷⁶⁻⁴⁰ 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 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-01269

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 $73^{\circ} 50' 00''$.

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
□ 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

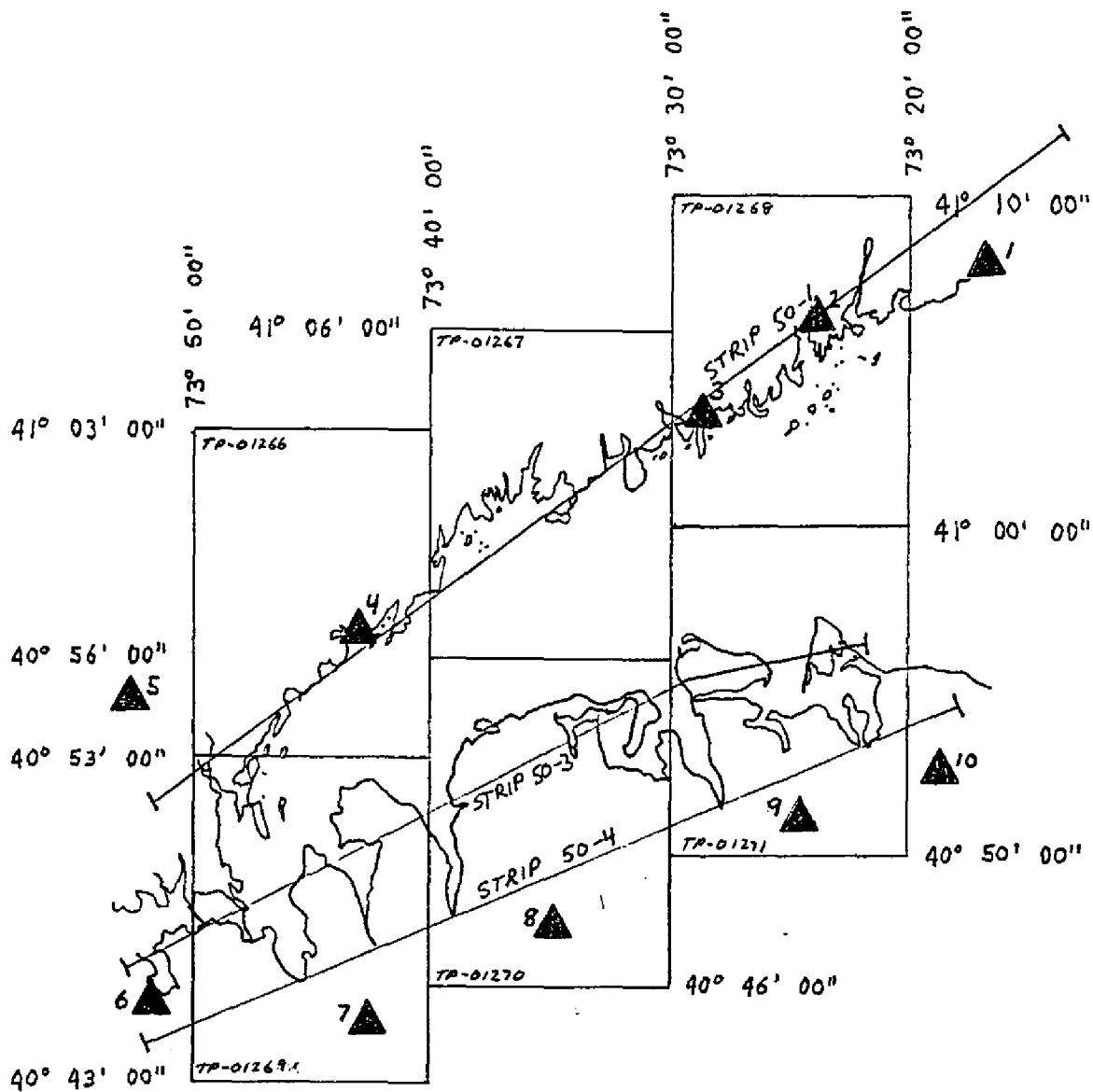
MLW 1:50,000-Scale Black-and-White Infrared

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

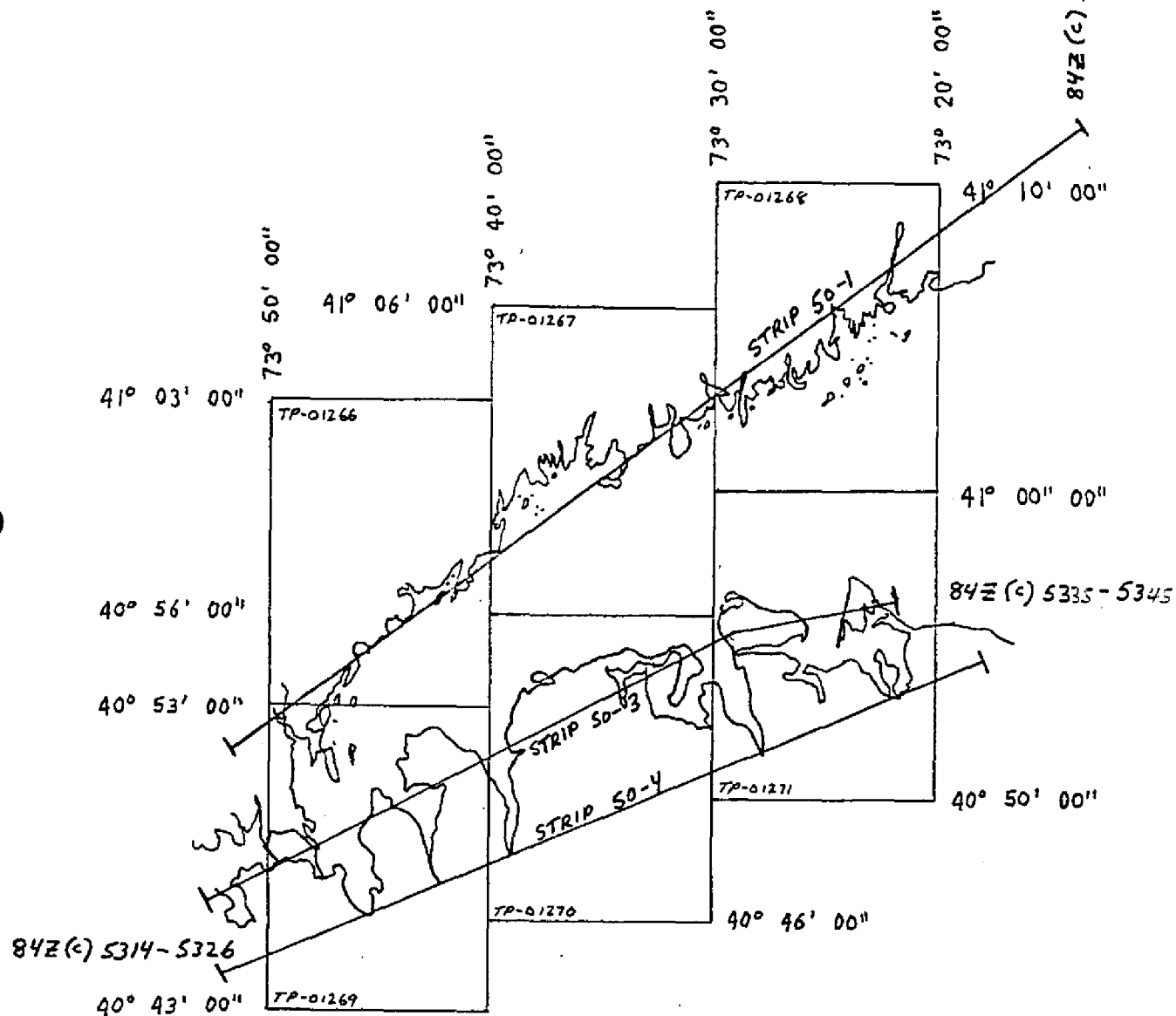
JOB CM-8312
 WESTERN LONG ISLAND SOUND
 THROGS NECK, NEW YORK TO
 SAUGATUCK RIVER, CONNECTICUT
 SHORELINE MAPPING
 SCALE= 1:20,000



HORIZONTAL CONTROL

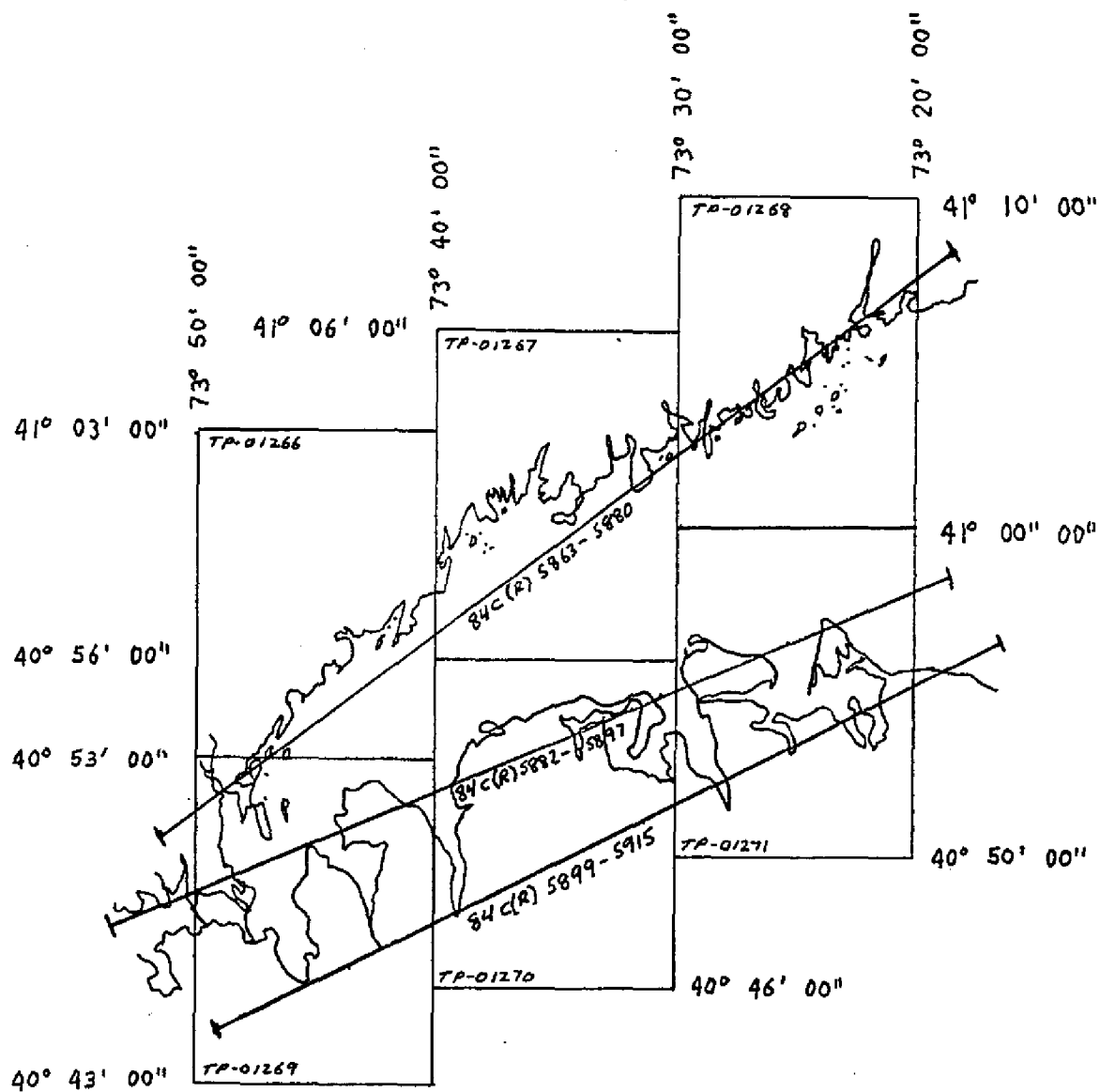
- | | |
|---------------------------|----------------------------------|
| 1. FAIRFIELD DUPONT STACK | 6. CIRCLE #6 |
| 2. JUDY | 7. PAYNE |
| 3. ZIEGLER | 8. TIPPETT |
| 4. NINE | 9. HUNTINGTON STATION WATER TANK |
| 5. HISCOCK | 10. FLEET |

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



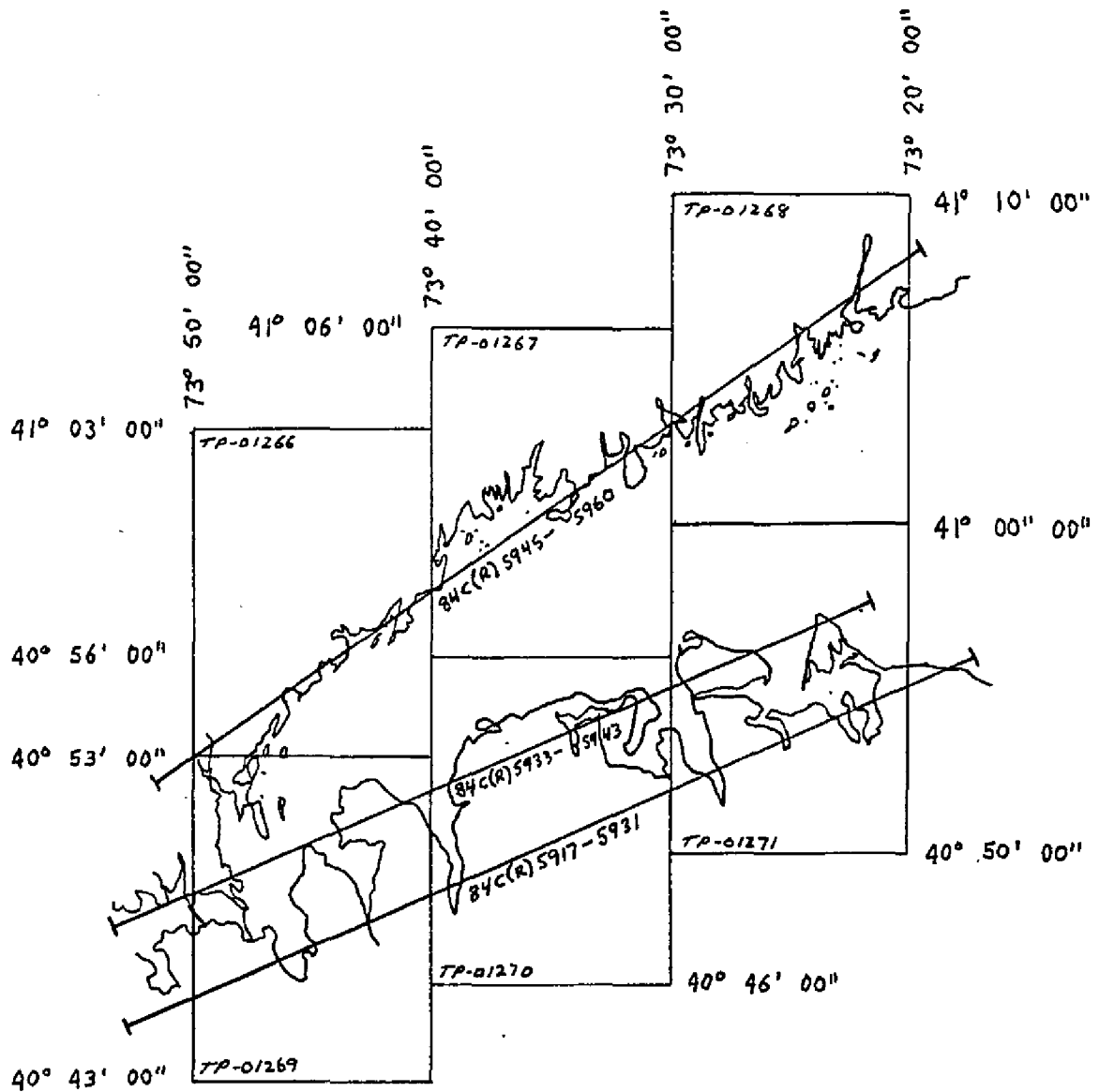
1:50,000 Color BRIDGING

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-01269	JOB NO. CM-8312	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET STATE New York ZONE Long Island	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
				1927	NAD		ϕ LATITUDE	λ LONGITUDE		
PAYNE 2, 1932 ✓		Field data book # 400734 Quad 387 Vol 12	208 ✓	X=			ϕ 40° 45' 27.765" ✓		Coastal Mapping Unit, AMC Norfolk	
				Y=			λ 73° 43' 11.628" ✓			
EXECUTION ROCKS ✓		GP P. 85	254 ✓	X=			ϕ 40° 52' 40.632" ✓			
LIGHTHOUSE, 1853				Y=			λ 73° 44' 17.259" ✓			
SANDS POINT WATER DISTRICT		Vol IV ✓	253 ✓	X=			ϕ 40° 51' 11.956" ✓			
TANK, 1966 ✓		pg 460	253100	Y=			λ 73° 42' 59.897" ✓			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
COMPUTED BY									COMPUTATION CHECKED BY	DATE
LISTED BY	R. R. Kravitz								LISTING CHECKED BY	DATE
HAND PLOTTING BY									P. Mauldin HAND PLOTTING CHECKED BY	DATE 5/1/87

COMPILATION REPORT

TP-01269

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 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. These 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-01269

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 forty charted landmarks and eleven charted aids to navigation within the limits of this map. Among these, thirty landmarks and seven aids were located/verified photogrammetrically.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Refer to the Data Record Form 76-36B, item 5, of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY:

See item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following:

Flushing, New York; dated 1966, photo revised 1979; scale 1:24,000
Sea Cliff, New York; dated 1968, photo revised 1979; scale 1:24,000
Mount Vernon, New York; dated 1966, photo revised 1979; scale
1:24,000
Mamaroneck, New York-Connecticut; dated 1967; scale 1:24,000
TP-00885; CM-7403; scale 1:10,000

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

TP-01269


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

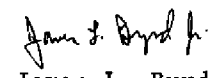
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:


Robert R. Kravitz
Cartographic Technician
April 28, 1987

Approved:


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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8312 (Western Long Island Sound, NY)

TP-01269

Alley Creek	Little Bay Willets Point
Barker Point	Little Neck
Baychester	Little Neck Bay
Bayside	Locust Point
Beechhurst	Locust Point (locality)
Belden Point	Long Island (RR)
Blauzes, The	Long Island Sound
Cherry Tree Point	Malba
Chimney Sweeps Islands	Manhasset Bay
City Island	Manhasset Neck
City Island Harbor	Manorhaven
Columbia Island	Middle Reef
Conrail (RR)	Middle Rock
Cryders Point	Mill Pond
Cuban Ledge	Mitchells Creek
Dauids Island	Mott Point
Douglaston	Old Ferry Point
East Creek	Orchard Beach
East Nonations	Park of Edgewater (locality)
East River	Parsons Beach
Eastchester Bay	Pea Island
Elm Point	Pelham Bay
Execution Rocks	Plandome (locality)
Glen Island	Plum Point
Goose Island	Port Washington
Great Neck	Port Washington North
Green Flats	Powell Cove
Hammond Creek	Prospect Point
Hart Island	Rat Island
Hempstead Harbor	Rodman Neck
Hewlett Point	Saddle Rock (locality)
High Island	Sands Point
Hog Island	Sands Point (locality)
Hunter Island	South Nonations
Hutchinson River	Throgs Neck
Kings Point (locality)	Throgs Point
Leeds Pond	Toms Point
Little Bay	Turtle Cove

Twin Island
Udalls Millpond
Weir Creek
Whitestone
Whitestone Point
Willets Point

Approved:

Charles E. Harrington

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

REVIEW REPORT
SHORELINE

TP-01269

61. GENERAL STATEMENT:

See Summary included with this descriptive report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with TP-00855, 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:

Flushing, New York, dated 1966, photo revised 1979,
Mamaroneck, New York-Connecticut, dated 1967,
Mount Vernon, New York, dated 1966, photo revised 1979; and
Sea Cliff, New York, dated 1968, photo revised 1979,
all four 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

TP-01269

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 15, 1987

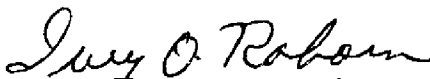
Approved for forwarding:



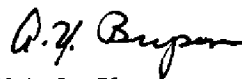
Billy H. Barnes

Chief, Quality Assurance Group, AMC

Approved:



Chief, Photogrammetric Production Sec.



Chief, Photogrammetry Branch

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

PAGE 1 OF 3

PROJECT NUMBER: CM-8312

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

MAP NUMBER: TP-01269 - Manhasset Bay

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>
WHITESTONE POINT LIGHT 31	200	40 48 04.90 - 73 49 12.00	7	6/21/84 ✓
KINGS POINT LIGHT	200	40 48 40.80 - 73 45 50.60	7	6/21/84 ✓
STEPPING STONES LIGHT	200	40 49 27.10 - 73 46 30.70	7	6/21/84 ✓
HART ISLAND LIGHT 46	200	40 50 41.30 - 73 46 01.90	7	6/21/84 ✓
GANGWAY ROCK LIGHT 27A	200	40 51 28.50 - 73 44 47.20	7	6/21/84 ✓
SANDS POINT DAYBEACON	767	40 52 01.00 - 73 43 58.90	7	6/21/84 ✓
EXECUTION ROCKS LIGHT, 1853	139	40 52 40.63 - 73 44 17.25	3	6/21/84 ✓
TANK	86	40 46 58.80 - 73 42 57.60	7	6/21/84 ✓
SPIRE	86	40 47 27.90 - 73 48 56.90	7	6/21/84 ✓
SPIRE	86	40 48 00.00 - 73 44 25.30	7	6/21/84 ✓
TANK	86	40 48 15.60 - 73 43 46.90	7	6/21/84 ✓

Listing approved by:

Powell O. Waters
FINAL REVIEWERJune 15, 1987
DATE

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION
CM-8312

TP-01269

PAGE 2 OF 3

<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	86	40 48 06.20 - 73 41 12.40	7	6/21/84 ✓
STACK	86	40 48 15.40 - 73 47 33.90	7	6/21/84 ✓
TANK	86	40 48 31.20 - 73 47 58.50	7	6/21/84 ✓
SLIM SPIRE	86	40 48 54.20 - 73 48 49.20	7	6/21/84 ✓
CUPOLA	86	40 48 23.50 - 73 45 28.50	7	6/21/84 ✓
STACK	86	40 48 47.60 - 73 45 46.40	7	6/21/84 ✓
TANK	86	40 48 55.90 - 73 40 34.70	7	6/21/84 ✓
CUPOLA	86	40 49 41.10 - 73 40 58.90	7	6/21/84 ✓
WEATHER VANE	86	40 49 50.30 - 73 41 48.90	7	6/21/84 ✓
TANK S.E. OF TWO	86	40 50 16.30 - 73 40 34.10	7	6/21/84 ✓
TANK N.W. OF TWO	86	40 50 16.90 - 73 40 34.70	7	6/21/84 ✓
MONUMENT	86	40 51 15.40 - 73 49 24.80	7	6/21/84 ✓
SPIRE	86	40 50 52.40 - 73 47 14.90	7	6/21/84 ✓
CUPOLA	86	40 50 50.30 - 73 47 05.50	7	6/21/84 ✓
STEEPLE	86	40 51 15.80 - 73 47 27.30	7	6/21/84 ✓
RADIO TOWER	86	40 51 35.30 - 73 47 08.80	7	6/21/84 ✓
STACK	86	40 51 03.40 - 73 46 10.50	7	6/21/84 ✓
MONUMENT	86	40 51 29.96 - 73 46 14.11	4	6/21/84 ✓
SANDS POINT WATER DISTRICT TANK 1966	139	40 51 11.95 - 73 42 59.89	3	6/21/84 ✓

Listing approved by:

Lowell C. Kotter
FINAL REVIEWER

June 15, 1987
DATE

CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION
CM-8312

TP-01269

PAGE 3 OF 3

<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>
OTTO MAST	86	40 51 30.40 - 73 43 39.00	7	6/21/84 ✓
TOWER	86	40 51 56.77 - 73 43 47.67	4	6/21/84 ✓
TOWER	86	40 51 47.20 - 73 42 04.10	7	6/21/84 ✓
TANK	86	40 51 37.40 - 73 41 54.90	7	6/21/84 ✓
TOWER	86	40 51 39.80 - 73 41 53.70	7	6/21/84 ✓
SOUTHERLY OF 2 LARGE CHIMNEYS	86	40 52 09.40 - 73 42 53.30	7	6/21/84 ✓
SPIRE	86	40 47 45.10 - 73 40 39.80	7	6/21/84 ✓

Listing approved by:

Lowell A. Hetherly
FINAL REVIEWER

June 15, 1987
DATE

