

TP-00756

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TP-00756

NOAA FORM 76-35

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

## DESCRIPTIVE REPORT

Type of Survey ... Chart Compilation .....

Job No. ... CM-7301 ..... Map No. TP-00756 .....

Classification No. III Edition No. ... 1 .....

## LOCALITY

State ... New Jersey - New York .....

General Locality ... Raritan Bay .....

Locality ... Keyport Harbor .....

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19 74 TO 19 75

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## REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00756	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS III	
				<input type="checkbox"/> REVISED		JOB CM-7301	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Rockville, Maryland OFFICER-IN-CHARGE Commander James Collins				LAST PRECEDING MAP EDITION			
				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Instructions-AEROTRIANGULATION-3/27/75				Instructions-FIELD-1/23/74			
Instructions-OFFICE-8/7/75				Instructions-FIELD-Amendment I-2/27/74			
				Instructions-FIELD-Amendment II-8/12/74			
				Instructions-FIELD-Supplement I-4/16/75			
				Instructions-FIELD-Supplement II-10/6/75			
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) National Geodetic Vertical Datum of 1929			
3. MAP PROJECTION Transverse Mercator				4. GRID(S)			
				STATE New York		ZONE East	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				I. Raborn		8/75	
METHOD: Analytic LANDMARKS AND AIDS BY				N/A			
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S. Solbeck		9/75	
METHOD: Coradomat CHECKED BY				N/A			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				J. Schad		10/15/75	
COMPILATION Wild CHECKED BY				G. Fromm		10/15/75	
INSTRUMENT B-8				CONTOURS BY		N/A	
SCALE: 1:15,000 CHECKED BY				N/A			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Schad		10/28/75	
CHECKED BY				G. Fromm		11/21/75	
CONTOURS BY				N/A			
CHECKED BY				N/A			
METHOD: Smooth Drafting				HYDRO SUPPORT DATA BY		N/A	
SCALE: 1:10,000 CHECKED BY				N/A			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				G. Fromm		10/14/76	
6. APPLICATION OF FIELD EDIT DATA BY				N/A			
CHECKED BY				N/A			
7. COMPILATION SECTION REVIEW BY				G. Fromm		10/14/76	
8. FINAL REVIEW BY				E. L. Rolle		Jan. 1978	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				N/A			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				E. L. Rolle		Jan. 1978	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R. T. Cater		May 1978	

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

## COMPILATION SOURCES

TP-00756

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-10(B) RC-8(E)

focal lengths- 152.7mm

## TIDE STAGE REFERENCE

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

TYPES OF PHOTOGRAPHY  
LEGEND

- (C) COLOR  
(P) PANCHROMATIC  
(I) INFRARED B&W

## TIME REFERENCE

## ZONE

Eastern

☒ STANDARD

## MERIDIAN

75th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74E(C) 7162-7165	10/19/74	1252-1255	1:30,000	* -1.47 Ft. MHW Refer to the following page for tide information.
75B6969R-6973R (I)	11/1/75	1137-1141	1:30,000	
75B5957R-5959R (I)	10/3/75	1142-1148	1:30,000	

## REMARKS

All of the above photography was ratioed to 1:10,000.

\* Computation from Predicted Tide Tables.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHWL <sup>is</sup> ~~was~~ the ~~natural color~~ photography listed under item 1.  
Refer to paragraph 35 of the compilation report bound with this job.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The source of the MLWL was ratioed prints of the B&W tide-coordinated  
infrared photography listed under item 1.

## 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-00750	TP-00757	No contemporary survey	TP-00755

## REMARKS

## TIDE - COORDINATED PHOTOGRAPHY

TP - 00756

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
		in feet	in feet
	SANDY HOOK (Reference station)		4.6
75B6969R-6973R (Raritan Bay)	Keansburg (Sub. sta.)	-0.18 MLW	4.9
	Keyport (Sub. sta.)	-0.08 MLW	5.0
75B5957R-5959R (Raritan Bay)	Keyport (sub. Sta.)	-0.58 MLW	5.0
	Princess Bay (Sub. sta.)	-0.66 MLW	4.9
	NOTE: The reference station(s) ONLY were observed at time of photography.		

## REMARKS:

Water penetration occurs on the infrared photography. Refer to paragraph 35  
of the compilation report bound with this ~~job~~. *Descriptive Report.*

## HISTORY OF FIELD OPERATIONS

TP-00756

1. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	8/74
2. HORIZONTAL CONTROL	RECOVERED BY R. S. Tibbetts	9/10/74
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts	9/10/74
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	N/A
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

Premarked control

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74C(C)1207	Laurence Harbor Oschwalds		
74E(C)6848	Brickyard Chimney, 1926		

3. PHOTO NUMBERS (Clarification of details)

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)

IC&amp;GS form 152 (Control Station Identification)

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

TP-00756

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	10/14/76	Class III map Field Edit postponed	10/19/76	
Final review prior to registration.	Jan. 1978	Class III Map.	May 1978	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		Oct. 1977	Digitized Forms 76-40 were submitted as a final report. The computer cards for these land marks and aids are on file in the CMD Special Projects Section, and will be destroyed 5 years after the date of Final Review.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

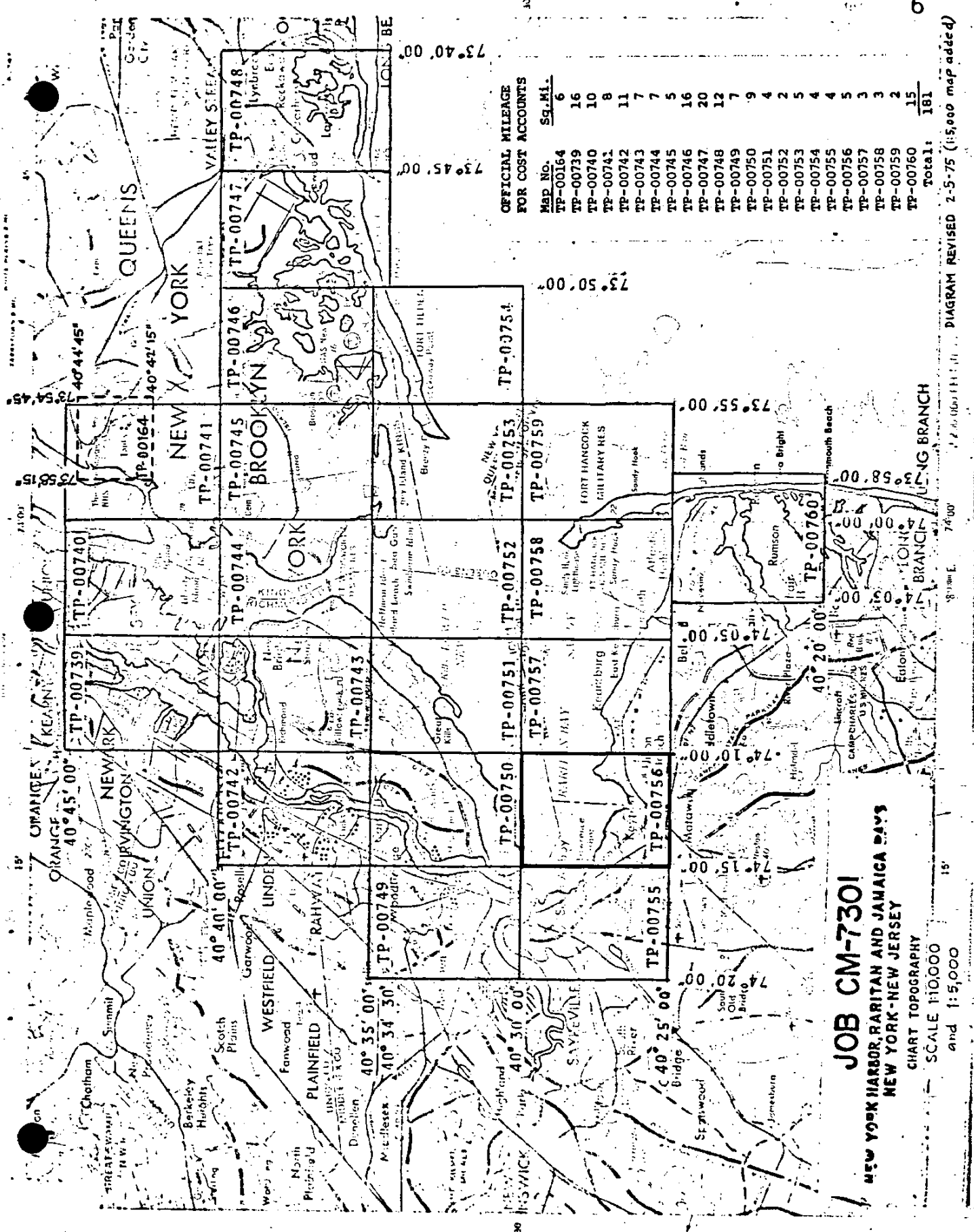
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 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	

NOAA FORM 76-36D



# **JOB CM-7301**

**NEW YORK HARBOR, RARITAN AND JAMAICA BAYS  
NEW YORK-NEW JERSEY**

**CHART TOPOGRAPHY  
SCALE 1:10,000  
and 1:5,000**

## **OFFICIAL MILEAGE FOR COST ACCOUNTS**

MAP NO.	Sq. MI.
TP-00164	6
TP-00739	16
TP-00740	10
TP-00741	8
TP-00742	11
TP-00743	7
TP-00744	7
TP-00745	5
TP-00746	16
TP-00747	20
TP-00748	12
TP-00749	7
TP-00750	9
TP-00751	4
TP-00752	2
TP-00753	5
TP-00754	4
TP-00755	4
TP-00756	5
TP-00757	3
TP-00758	3
TP-00759	2
TP-00760	15
<b>Total:</b>	<b>181</b>

DIAGRAM REVISED 2-5-75 (1:5,000 map added)

LONG BRANCH

15'

74° 00'

40° 20' 00"

74° 05' 00"

74° 10' 00"

74° 15' 00"

74° 20' 00"

74° 25' 00"

74° 30' 00"

74° 35' 00"

74° 40' 00"

74° 45' 00"

74° 50' 00"

74° 55' 00"

75° 00' 00"

75° 05' 00"

75° 10' 00"

75° 15' 00"

75° 20' 00"

75° 25' 00"

75° 30' 00"

75° 35' 00"

75° 40' 00"

75° 45' 00"

75° 50' 00"

75° 55' 00"

76° 00' 00"

76° 05' 00"

76° 10' 00"

76° 15' 00"

76° 20' 00"

76° 25' 00"

76° 30' 00"

76° 35' 00"

76° 40' 00"

76° 45' 00"

76° 50' 00"

76° 55' 00"

77° 00' 00"

77° 05' 00"

77° 10' 00"

77° 15' 00"

77° 20' 00"

77° 25' 00"

77° 30' 00"

77° 35' 00"

77° 40' 00"

77° 45' 00"

77° 50' 00"

77° 55' 00"

78° 00' 00"

78° 05' 00"

78° 10' 00"

78° 15' 00"

78° 20' 00"

78° 25' 00"

78° 30' 00"

78° 35' 00"

78° 40' 00"

78° 45' 00"

78° 50' 00"

78° 55' 00"

79° 00' 00"

79° 05' 00"

79° 10' 00"

79° 15' 00"

79° 20' 00"

79° 25' 00"

79° 30' 00"

79° 35' 00"

79° 40' 00"

79° 45' 00"

79° 50' 00"

79° 55' 00"

80° 00' 00"

80° 05' 00"

80° 10' 00"

80° 15' 00"

80° 20' 00"

80° 25' 00"

80° 30' 00"

80° 35' 00"

80° 40' 00"

80° 45' 00"

80° 50' 00"

80° 55' 00"

81° 00' 00"

81° 05' 00"

81° 10' 00"

81° 15' 00"

81° 20' 00"

81° 25' 00"

81° 30' 00"

81° 35' 00"

81° 40' 00"

81° 45' 00"

81° 50' 00"

81° 55' 00"

82° 00' 00"

82° 05' 00"

82° 10' 00"

82° 15' 00"

82° 20' 00"

82° 25' 00"

82° 30' 00"

82° 35' 00"

82° 40' 00"

82° 45' 00"

82° 50' 00"

82° 55' 00"

83° 00' 00"

83° 05' 00"

83° 10' 00"

83° 15' 00"

83° 20' 00"

83° 25' 00"

83° 30' 00"

83° 35' 00"

83° 40' 00"

83° 45' 00"

83° 50' 00"

83° 55' 00"

84° 00' 00"

84° 05' 00"

84° 10' 00"

84° 15' 00"

84° 20' 00"

84° 25' 00"

84° 30' 00"

84° 35' 00"

84° 40' 00"

84° 45' 00"

84° 50' 00"

84° 55' 00"

85° 00' 00"

85° 05' 00"

85° 10' 00"

85° 15' 00"

85° 20' 00"

85° 25' 00"

85° 30' 00"

85° 35' 00"

85° 40' 00"

85° 45' 00"

85° 50' 00"

85° 55' 00"

86° 00' 00"

86° 05' 00"

86° 10' 00"

86° 15' 00"

86° 20' 00"

86° 25' 00"

86° 30' 00"

86° 35' 00"

86° 40' 00"

86° 45' 00"

86° 50' 00"

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS  
TP-00739 through TP-00760 and TP-00164

This map is one of twenty-three chart compilation maps that comprise Job CM-7301. Maps TP-00739 through TP-00760 were compiled at 1:10,000 scale and map TP-00164 was compiled at 1:5,000 scale.

The purpose of this job is to provide chart compilation for use in the maintenance and reconstruction of published nautical charts covering the project area.

The project area includes New York Harbor, Raritan Bay, and Jamaica Bay in the states of New Jersey and New York.

Field operations, which began in September 1974, generally consisted of the premarking of control and flying the needed aerial photography.

Aerotriangulation photography was furnished at 1:60,000 scale from natural color film taken in 1974 with the RC-10(C) camera. Color compilation photography was taken in 1974 at 1:30,000 scale and in 1975 at 1:15,000 scale, using the RC-8(E) and RC-10(B) cameras. Supplemental black-and-white infrared, tide-coordinated photography was flown in 1975 at 1:30,000 scale using the RC-10(B) camera.

Five strips of the 1:60,000 scale color photography were bridged using analytic aerotriangulation methods. Thirteen strips of the 1:30,000 scale color compilation photography and two strips of the 1:15,000 scale color compilation photography were also bridged by analytic aerotriangulation procedures.

Compilation photography was the 1:15,000 and 1:30,000 scale color photography and the 1:30,000 scale supplemental infrared photography. The maps were compiled on the Wild B-8 stereoplotter using the natural color photography. Ratioed prints of the black-and-white infrared photography were used graphically to delineate the approximate mean low water line and to supplement the B-8 instrument compilation.

All map line work is smooth compilation drafting.

Field edit data was prepared for each of the twenty-three maps. Field edit was postponed in 1977 after this preparation of data was completed.

Final review of the maps was done by the Quality Control Group of the Photogrammetric Branch. All maps were registered as Class III maps.

A Chart Maintenance Print for each map was forwarded to the Nautical Data Section of the Marine Chart Division.

The following items are registered in the National Ocean Survey Archives:

1. A plastic copy of each map
2. A Descriptive Report for each map

Two 20 cm x 30 cm negatives of each map are on file in the Photo Map and Imagery Information Section of the Photographic Operations Branch.

## FIELD INSPECTION

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for aerotriangulation.

21. Area Covered

The area covered by this report pertains to the shorelines of New York Harbor, Raritan and Jamaica Bays, New York-New Jersey. This area is covered by twenty-two 1:10,000 scale sheets, TP-00735 thru TP-00760 and one 1:5,000 sheet, TP-00164. The 5,000 scale sheet (TP-00164) was not plotted at this time because of the lack of low altitude photo coverage.

22. Method

Five strips of 1:60,000 scale color photography were bridged by analytic aerotriangulation methods. The strips were controlled by field identified control paneled in 1974 with office identified control floated as checks. Thirteen strips of 1:30,000 scale color photography were also bridged by analytic aerotriangulation methods. These strips were controlled by field identified control and with common points dropped from the 1:60,000 scale photography. Normally the 1:30,000 scale strips would not be bridged, but, due to the poor definition of photography, this had to be done in order to meet the National Map Accuracy Standards. Ties were made between all bridging strips. Points were located on the 1:30,000 scale photography to determine the ratio scale. Ratios were ordered for the 1:10,000 scale sheets. Data for ruling projections were furnished to the Coradomat to be plotted in the New York East state plane coordinate system. The grids were plotted in zones as indicated per instructions in a letter from the Chief, Coastal Mapping Division, dated March 27, 1975.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS Quadrangles were used to provide vertical control for the adjustment.

25. Photography

The photography was adequate as to coverage and overlap except for the 1:5,000 scale sheet, TP-00164. This photography has not been taken as of this report. Definition of the photography at all scales was very poor due to haze at time of photography.

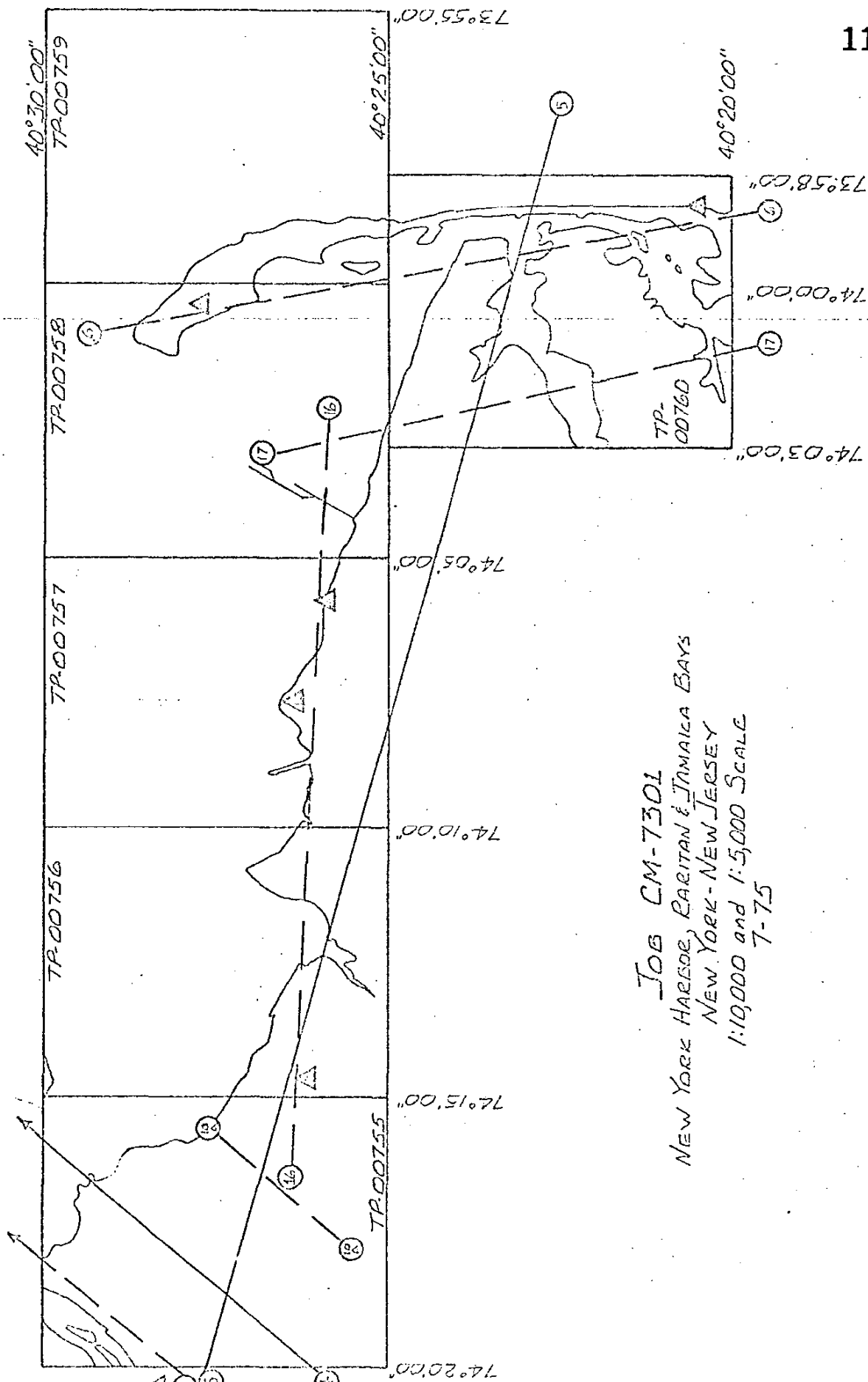
Respectfully submitted,

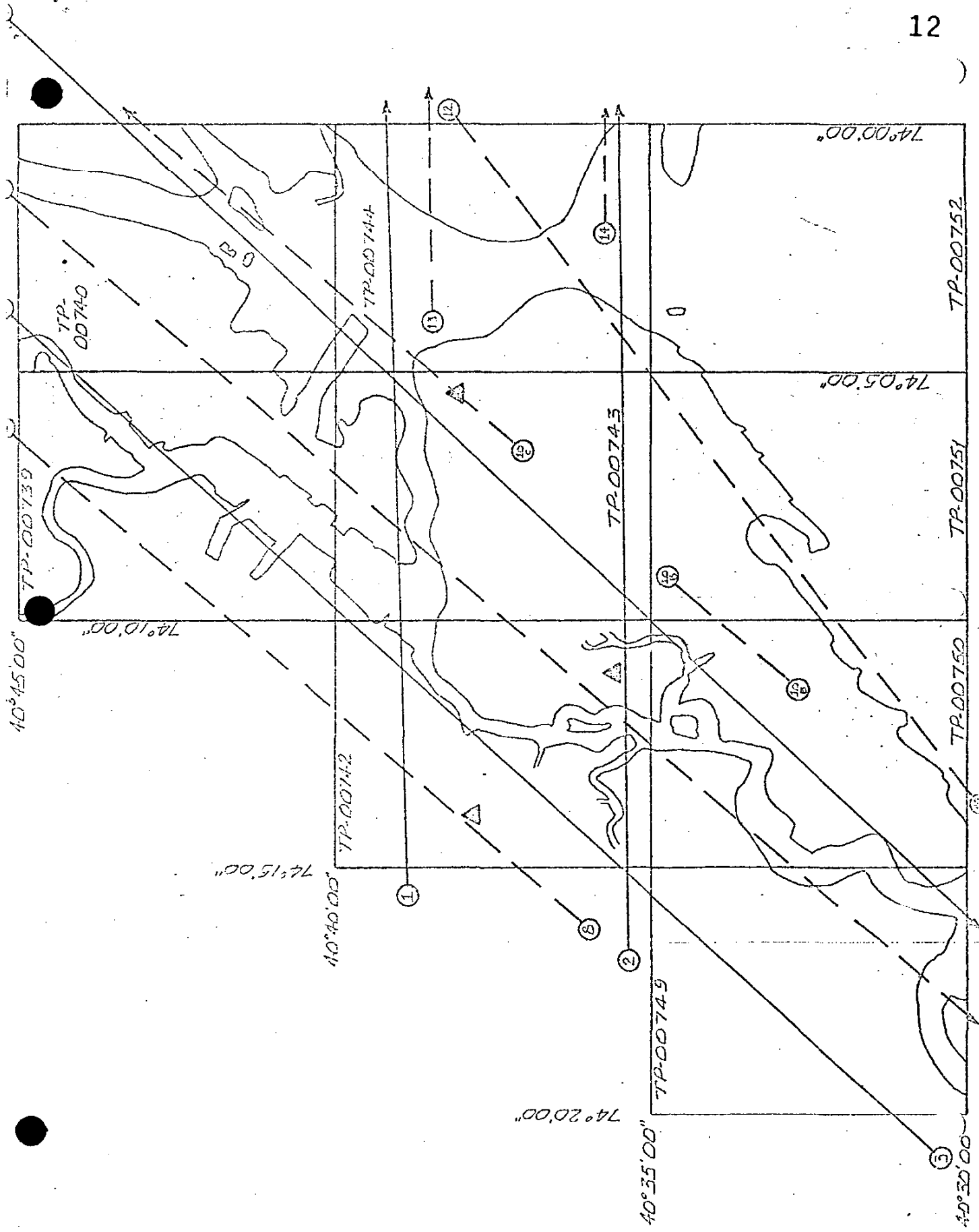
*Ives O. Raborn*  
Ives O. Raborn

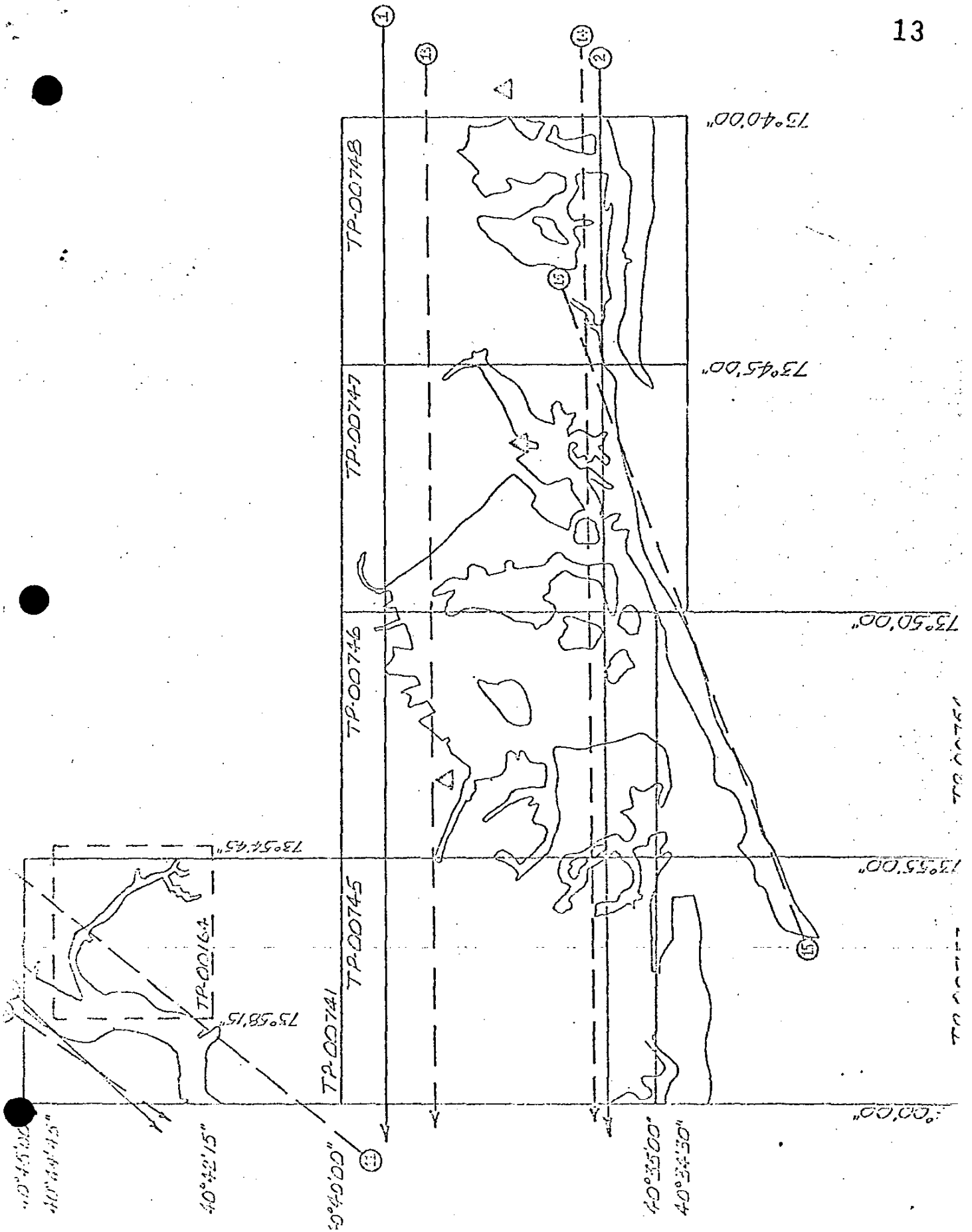
Approved and forwarded:

*John D. Pergow, Jr.*  
John D. Pergow, Jr.

Chief, Aerotriangulation Section







Strip No.	Scale	Photo Nos.
1	60,000	74C(C)864-874
2	"	851-861
3	"	74C(C)892-902
4	"	877-887
5	"	1202-1207
6	30,000	74E(C)6963-6970
No strip numbered 7		
8	30,000	74E(C)7145-7154
9	"	7083-7099
10A	"	7125-7127
10B	"	7131-7133
10C	"	7135-7143
11	"	7076-7082
12	"	7186-7196
13	"	7056-7069
14	"	7040-7052
15	"	7172-7179
16	"	7162-7170
17	"	7197-7202

Original

101

NOAA FORM 76-41  
(6-75)

## DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEODETIC DATUM	ORIGINATING ACTIVITY	REMARKS
7P-00756		CM-7301			NA 1927	Coastal Map Div, Rockville Md.	
Union Beach W.T., Aluminum 1930	NJ Vol I GP-P. 393	165110	X= Y=	φ 40-26-23.859 λ 74-10-05.993			
Lockport, Aero-Marine Plan & Motor Co. TANK 1930	NJ Vol I GP-P. 396	164110	X= Y=	φ 40-26-30.994 λ 74-11-22.106			
Keyport, Standpipe 1926	NJ Vol I GP-P. 485	206110	X= Y=	φ 40-26-04.169 λ 74-11-54.282			
Cliffwood Water Storage Tank 1926	NJ Vol I GP-P. 484	207110	X= Y=	φ 40-26-34.085 λ 74-13-04.314			Not plotted on sheet. Believe destroyed. New Tank 60 FT SW was compiled as landmark.
Lawrence Harbor Oschwalds Brick Yard CHY 1926	NJ Vol I GP-P. 484	878100	X= Y=	φ 40-26-32.699 λ 74-14-47.915			
Lawrence Harbor Tank 1926	NJ Vol I GP-P. 484	162114	X= Y=	φ 40-27-00.051 λ 74-14-53.551			
Boundry Beacon NY-NJ 1903	NJ Vol I GP-P. 606		X= Y=	φ 40-28-35.296 λ 74-13-32.672			756
Raritan Bay Beacon #4 1930	NY Vol II GP-P. 53	98	X= Y=	φ 40-29-46.898 λ 74-13-28.963			
Raritan Bay Beacon #5 1930	NY Vol II GP-P. 53	99	X= Y=	φ 40-29-07.399 λ 74-14-28.568			
			X= Y=	φ λ			
COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE				
LISTED BY	DATE	LISTING CHECKED BY	DATE				
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE				

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

TP-00756  
Compilation Report

31. Delineation

This map was compiled on the Wild B-8 stereoplotter from 1:30,000 scale natural color photography. Graphic compilation from ratioed prints of the black-and-white tide-coordinated photography was used to depict the mean low water line and to supplement instrument compilation of alongshore details.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report. The identification, density, and placement of horizontal and vertical control was adequate.

33. Supplemental Data - None

34. Contours and Drainage

All drainage is from office interpretation of the color photography.

35. Shoreline and Alongshore Details

The MHW line was compiled from office interpretation of the color photography. Apparent change of the shoreline was noted on the 1975 infrared photography at the west entrance to Keport Harbor. Graphic compilation by interpretation of the IR photography was used to update the shoreline in this area.

Alongshore detail was delineated by office interpretation of the color photography, supplemented by the later date infrared photography. Some foreshore features not visible on the color photography were compiled graphically from the infrared photography.

- \* The MLWL was depicted graphically from the black-and-white tide-coordinated infrared photography. Water penetration is apparent on the infrared photography, therefore, portions of the foreshore areas depicted on this map may be covered a slight amount at MLW.

There was no preliminary field inspection of the shoreline.

36. Offshore Details

No unusual problems were encountered in compiling details offshore.

37. Landmarks and Aids

Positions of landmarks and non-floating aids will be verified or located during field edit.

Refer to the 76-40 forms prepared for those landmarks and aids identifiable on the compilation photography.

\* Refer to REVIEW REPORT, item 67.

38. Control for Future Surveys

No Form 524 submitted

39. Junctions

Refer to form 76-36B, item #5, submitted with this Descriptive Report.

40. Horizontal and Vertical Accuracy

This map complies with the National Map Accuracy Standards.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

A comparison has been made with the following USGS quadrangle:

South Amboy, NJ-NY, 1:24,000 scale, 1954 edition, photorevised 1970

No significant changes were noted.

47. Comparison with Nautical Charts

A comparison has been made with the following nautical charts:

Chart 12327(formerly 369) 1:40,000 scale, 65th edition, Feb. 1, 1975

Chart 12378(formerly 369-SC), 1:40,000 scale, 12th edition, Feb. 1, 1975

Chart 12331(formerly 286), 1:15,000 scale, 19th edition, Sept. 7, 1974

Chart 12332(formerly 375), 1:20,000 scale, 16th edition, Nov. 18, 1972

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by,

*James Schad*

J. Schad

Special Projects Section

Approved and forwarded:

*George V. Bass*



February 10, 1978

TO: Chief, Photogrammetric Branch

FROM: James Collins ~~(signed)~~ James Collins  
Chief, Coastal Mapping Division

SUBJECT: Registration of Job CM-7301, New York Harbor, Raritan  
and Jamaica Bays, New York - New Jersey

All manuscripts completed on the subject job shall be registered  
as Class III maps.

Field edit data developed to update these maps during 1978 and  
subsequent field seasons shall be furnished to the Marine Chart  
Division for blueprints.

cc: C3442  
C3421  
C3424



COMPILATION OFFICE CHECK LIST  
CLASS III MANUSCRIPT

TP - 00756

1. Shoreline and Alongshore Features        2. Projections         
3. Grids        4. Title Block        5. Horizontal Control         
6. Landmarks and Aids to Navigation        7. NOAA  
Form 76-36        8. Compilation Report        9. Compilation  
Methods and Procedures        10. Junctions        11. Clarity  
of Manuscript        12. Discrepancy Print

Reviewer

G. E. Brown  
14 Oct 76

Supervisor

[Signature]

REVIEW REPORT  
TP- 00756

Chart Compilation  
January 1978

61. General Statement

See Summary, which is pages 7 and 8 of this Descriptive Report. The map was reviewed in its Class III map (field edit postponed) stage by the Quality Control Group.

62. Comparison with Topographic Surveys - None

63. Comparison with Maps of Other Agencies

Refer to item 46 in the Compilation Report bound with this Descriptive Report.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Refer to item 47 in the Compilation Report bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau standards.

67. The Mean Low Water Line

Because water penetration is apparent on the ratioed tide-coordinated infrared photography, the outermost photographic image of land, along the water-land interface line, was delineated as the approximate mean low water line. This approach was taken to add an element of boating safety for users of the NOS nautical charts, reconstructed with details taken from this map. Refer to item 35 in the Compilation Report bound with this Descriptive Report.

68. Marsh

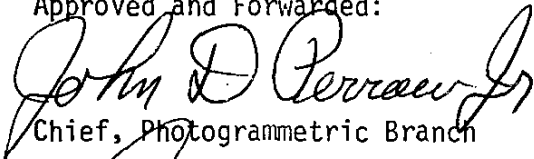
The back limits of "fingers of marsh" were not compiled, where the horizontal distance to the apparent shoreline was 15 meters or less at map scale. No attempt was made to displace these limits or to label "finger of marsh," because of the dense concentration of other map detail.

Submitted by:



Edward L. Rolle

Approved and Forwarded:

  
Chief, Photogrammetric Branch  
Chief, Coastal Mapping Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7301 (N.Y. Hbr., Raritan & Jamaica Bays, N.Y., N.J.)

TP-00756

Central RR of N.J.

Chinagarora Creek

Cliffwood Beach

Cliffwood Beach (locality)

Conaskonk Point

Flat Creek

Keyport

Keyport Harbor

Lake Matawan

Laurence Harbor

Luppatatong Creek

Matawan Creek

N.Y. & Long Branch (RR)

Raritan Bay

Raritan Bay Beach

Seidler Beach

Staten Island

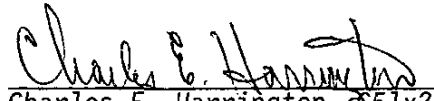
Tottenville

Treasure Lake

Union Beach (locality)

Whale Creek

Approved by:

  
Charles E. Harrington, 851x2  
Staff Geographer

\* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS \*

* CHARTING*	* DESCRIPTION *	* POSITION	* CMD *	* METHOD AND DATE *	* CHARTS *
* NAME *	* RECORD REASON FOR DELETION *	* LATITUDE DM	* ALTEK*	* OF LOCATION *	* AFFECTED*
* PUT TRIANGULATION NAMES IN ( ) *	* LONGITUDE DP	* DGTZD*	* OFFICE *	* FIELD	

* TANK	* (LAWRENCE HARBOR TANK 1926)	* 40 27 00.05	1.5	NOT	*74E(C)7163*	* 12327
* *	* *	* 74 14 53.55	1261.9	DGTZD	* 10/19/74 *	* 12331
* CHY	* (LAWRENCE HARBOR OSCHWALDS	* 40 26 32.70	1008.6	NOT	*74E(C)7163*	* 12327
* *	* BRICKYARD CHIMNEY 1926	* 74 14 47.92	1129.3	DGTZD	* 10/19/74 *	* 12331
* TOWER	*	* 40 26 05.76	177.7		*74E(C)7163*	* 12327
* *	* *	* 74 12 45.39	1069.8		* 10/19/74 *	* 12328
* TOWER	*	* 40 26 07.30	225.2		*74E(C)7163*	* 12327
* *	* *	* 74 12 52.97	1248.5		* 10/19/74 *	* 12328
* TANK	*	* 40 26 33.44	1031.5		*74E(C)7163*	* 12327
* *	* *	* 74 13 04.67	110.1		* 10/19/74 *	* 12328
* TANK	* (LOCKPORT, AERO-MARINE PLANE	* 40 26 30.99	955.9	NOT	*74E(C)7165*	* 12327
* *	* AND MOTOR CO TANK 1936)	* 74 11 27.11	638.9	DGTZD	* 10/19/74 *	* 12328
* TANK	* (UNION BEACH WATER TANK, ALUMI	* 40 26 23.86	736.0	NOT	*74E(C)7164*	* 12327
* *	* NUM 1930)	* 74 10 05.99	141.2	DGTZD	* 10/19/74 *	* 12328
* TANK	*	* 40 26 34.03	1049.6		*74E(C)7164*	* 12331
* *	* *	* 74 10 52.11	1228.1		* 10/19/74 *	* 12331
* *	* *	* *	*	*	*	*
* *	* *	* *	*	*	*	*
* *	* *	* *	*	*	*	*
* *	* *	* *	*	*	*	*
* *	* *	* *	*	*	*	*

* TYPE OF ACTION *	* NAMES OF RESPONSIBLE PERSONNEL *	* ORIGINATOR *
* * *	* * *	* * *
* * *	* * *	* * *
* * *	* * *	* * *
* POSITIONS DETERMINED	* NO FIELD EDIT-CLASS III MAP	* FIELD REPRESENTATIVE
* AND/OR VERIFIED BY	* J. SCHAD	* OFFICE COMPILER
* FIELD AND OFFICE	* L. HARROD	* DIGITIZER
* ACTIVITIES	* G. FROMM	* DATA PROCESSOR

\* SVY TP-00756 \* \* RPT UNIT CMD ROCKVILLE, MD. \* PAGE 3 OF 3 \*  
\* JOB CM-7301 \* LANDMARKS FOR CHARTS \* STATE NEW JERSEY \*  
\* PRJ N Y HARBOR \* TO BE REVISED \* LOCALITY KEYPORT HARBOR \* ORIGINATING ACTIVITY \*  
\* DTM NA 1927 \* DATE 08/12/77 \* COMPILATION \*

\* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS \*

DESCRIPTION	POSITION	CMD	METHOD AND DATE	CHARTS
RECORD REASON FOR DELETION	LATITUDE	DM	ALTEK	OF LOCATION
NAME	PUT TRIANGULATION NAMES IN ( )	LONGITUDE	DP	DGTZD
			OFFICE	FIELD

\* CHARTED LDMK(S) UNIDENTIFIABLE ON COMPILATION PHOTOGRAPHY. \*  
\* APPROXIMATE POSITION(S) SCALED FROM EXISTING CHART. \*

MAST	MAST	YACHT CLUB	40 26 21.00	647.7	NOT	12327
			74 11 55.00	1296.3	DGTZD	12328
						12331

HOUSE		40 29 52.00	1603.9	NOT	12331
GABLE		74 14 59.00	1389.3	DGTZD	12332

\* CHARTED LDMK(S) NOT VISIBLE ON COMPILATION PHOTOS AND APPEAR  
\* DESTROYED. CONDITION OF TRIANGULATION STATION UNKNOWN. \*

STAND-PIPE	(KEYPORT STANDPIPE 1926)	40 26 06.20	191.2	NOT	12327
		74 12 48.69	1147.6	DGTZD	12328
					12331

25

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED	NO FIELD EDIT-CLASS III MAP	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	J. SCHAD	OFFICE COMPILER
FIELD AND OFFICE	NOT DIGITIZED	DIGITIZER
ACTIVITIES	G. FROMM	DATA PROCESSER

TP-00756

## National Archives Data

One C&GS Form 152 (Control Station Identification)

Photography: 74-C(C) 1207 & 74-E(C) 6848

