

TP-00755

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TP-00755

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-00755

Classification No. III Edition No. ... 1

LOCALITY

State ... New York - New Jersey

General Locality Raritan Bay - Raritan River

Locality ... South Amboy

19 74 TO 19 75

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY TP. 00755 MAP EDITION NO. (1) MAP CLASS III JOB CM-7301	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Rockville, Maryland				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
OFFICER-IN-CHARGE Commander James Collins							
I. INSTRUCTIONS DATED							
1. OFFICE Instructions-AEROTRIANGULATION-3/27/75 Instructions-OFFICE-8/7/75				2. FIELD Instructions-FIELD-1/23/74 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: ☒ 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: ☒ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ 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		11/4/75	
COMPILATION CHECKED BY				G. Fromm		11/4/75	
INSTRUMENT: Wild B-8				CONTOURS BY		N/A	
SCALE: 1:15,000				CHECKED BY		N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Schad		11/11/75	
CHECKED BY				G. Fromm		11/19/75	
METHOD: Smooth Drafting				CONTOURS BY		N/A	
CHECKED BY				N/A			
SCALE: 1:10,000				HYDRO SUPPORT DATA BY		N/A	
CHECKED BY				N/A			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				G. Fromm		10/14/76	
BY				N/A			
6. APPLICATION OF FIELD EDIT DATA 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				K. T. Cator		May 1978	

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

TP-00755

12-10755
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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

focal lengths - 152.7mm

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

☒ PREDICTED TIDES☐ REFERENCE STATION RECORDS☒ TIDE CONTROLLED PHOTOGRAPHY(C) COLOR(P) PANCHROMATIC(I) INFRARED B&W

ZONE

Eastern

☒ STANDARD

MERIDIAN

75th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74E(C) 7097-7099	10/19/74	1156-1206	1:30,000	* -.14 Ft. MHW
74E(C) 7195-7196	10/19/74	1317-1324	1:30,000	* -.42 Ft. MHW
74E(C) 7126-7128	10/19/74	1215-1222	1:30,000	* -.79 Ft. MHW
(I) 75B6972R-6974R	11/1/75	1137-1141	1:30,000	Refer to the following page for tide information.
75B5982R-5984R (I)	10/3/75	1204-1212	1:30,000	

REMARKS * Computation from Predicted Tide Tables.

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

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high water line ^{is} was the ~~natural color~~ photography listed under item 1. See 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 mean low water line was the ratioed prints of the black-and-white 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-00749	TP-00756	No contemporary	surveys

REMARKS

NOAA FORM 76-36B(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

TP -00755

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE (in feet)	MEAN RANGE (in feet)
	SANDY HOOK (reference station)		4.6
75B6972R-6974R (Raritan River)	South Amboy (Sub. Sta.)	-0.11 MLW	5.0
75B6972R-6974R (Mouth of Arthur Kill)	Perth Amboy (Sub. Sta.)	-0.08 MLW	5.2
75B5982R-5984R (Raritan River)	South Amboy (Sub. Sta.)	-0.69 MLW	5.0
Note: The reference Station(s) ONLY were in operation at time of photography.			

REMARKS:

Water penetration is apparent on the infrared photography. Refer to paragraph 35 of the Compilation Report bound with this ~~joint~~ Descriptive Report.

TP-00755

HISTORY OF FIELD OPERATIONS

I. ☒ 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	8/25/74
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts	8/25/74
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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ 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		2. VERTICAL CONTROL IDENTIFIED	
Premarked control		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74C(C)1209	Sayreville, Jersey Central		
74E(C)6851	Power and Light Co. Tall Tank, 1932		

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 ☒ 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)

IC&GS form 152 (Control Station Identification)

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

RECORD OF SURVEY USE

TP-00755

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 landmarks and aids are on file in the CMB 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: _____

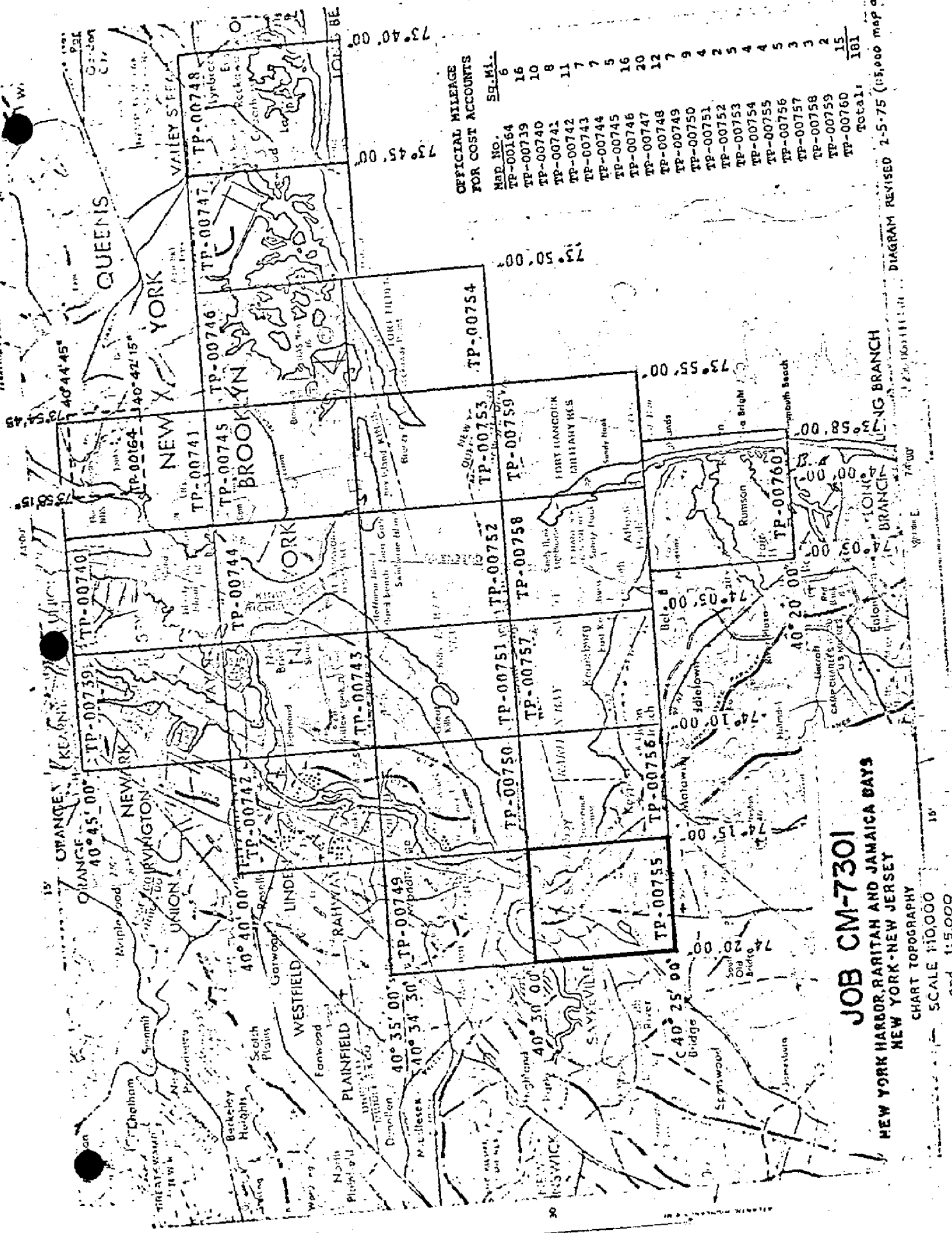
III. FEDERAL RECORDS CENTER DATA

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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



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
Total	181

JOB CM-7301
NEW YORK HARBOR, RARITAN AND JAMAICA BAYS
NEW YORK-NEW JERSEY

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

LONG BRANCH

DIAGRAM REVISED 1-5-75 (15,000 map add)

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.

CM-7301

July 1975

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

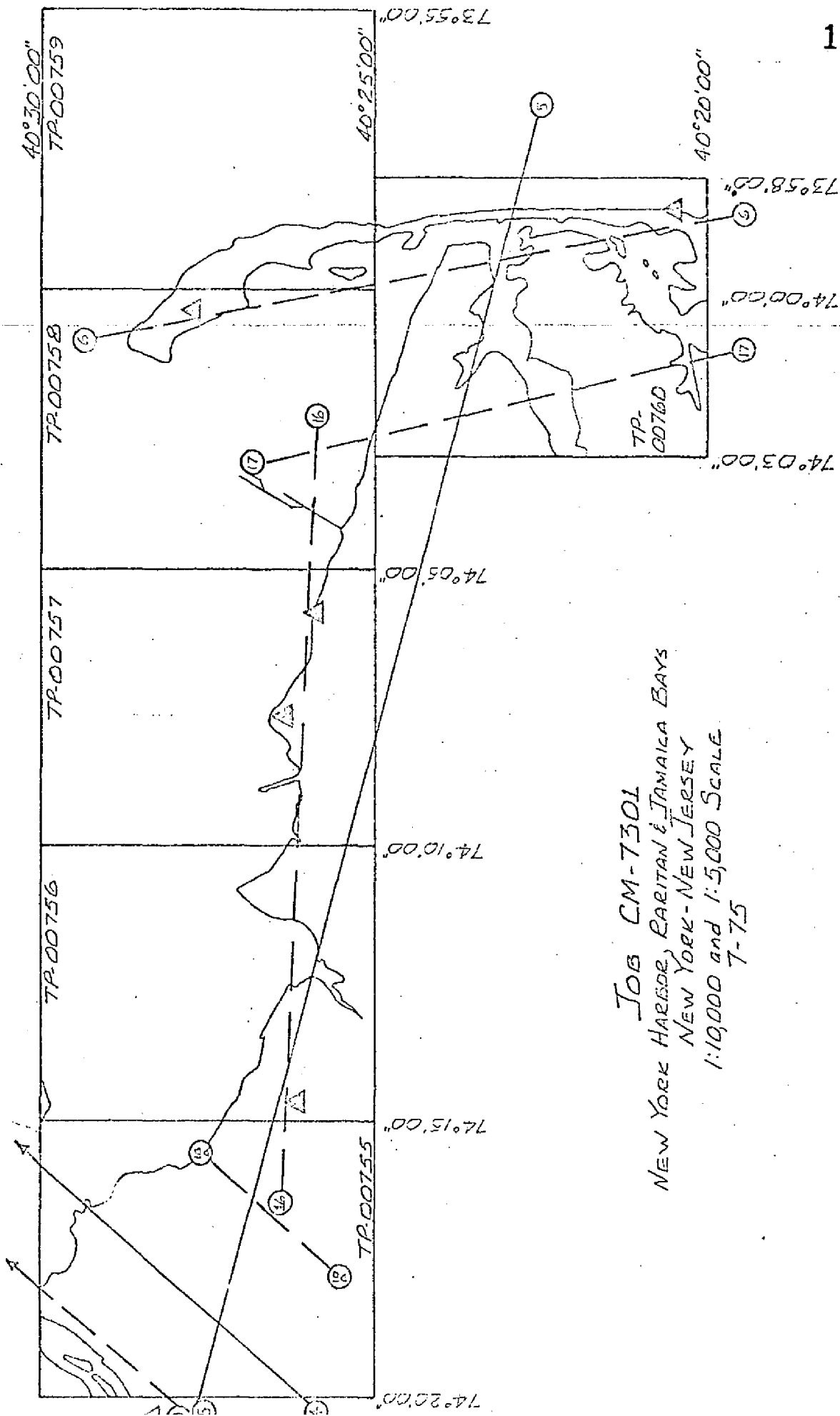
The photography was adequate as to coverage and overlap except for the 1:5,000 scale sheet, TP-00164. This photography has not been taken as of this report. Definition of the photography at all scales was very poor due to haze at time of photography.

Respectfully submitted,

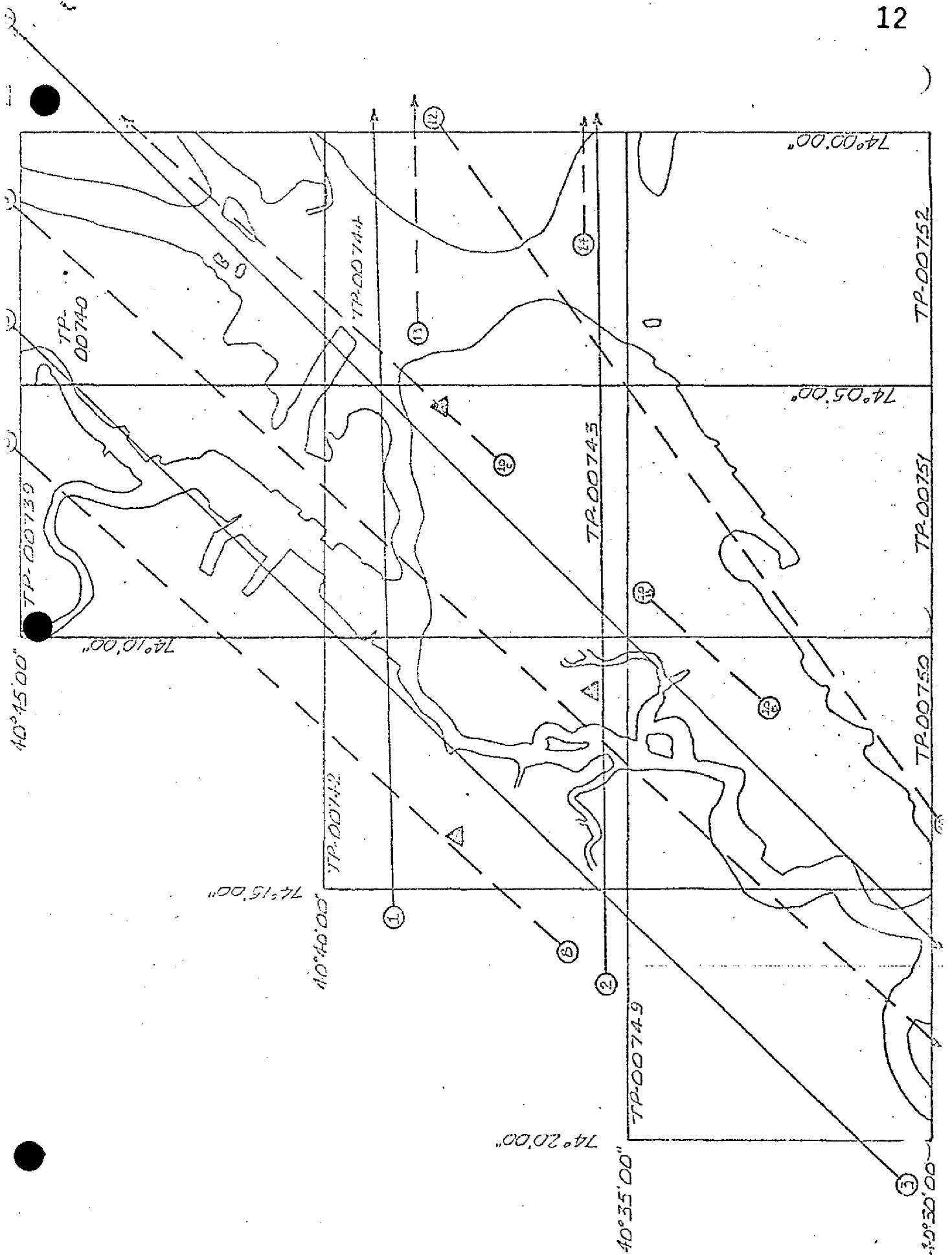
Ivor O. Raborn
Ivor O. Raborn

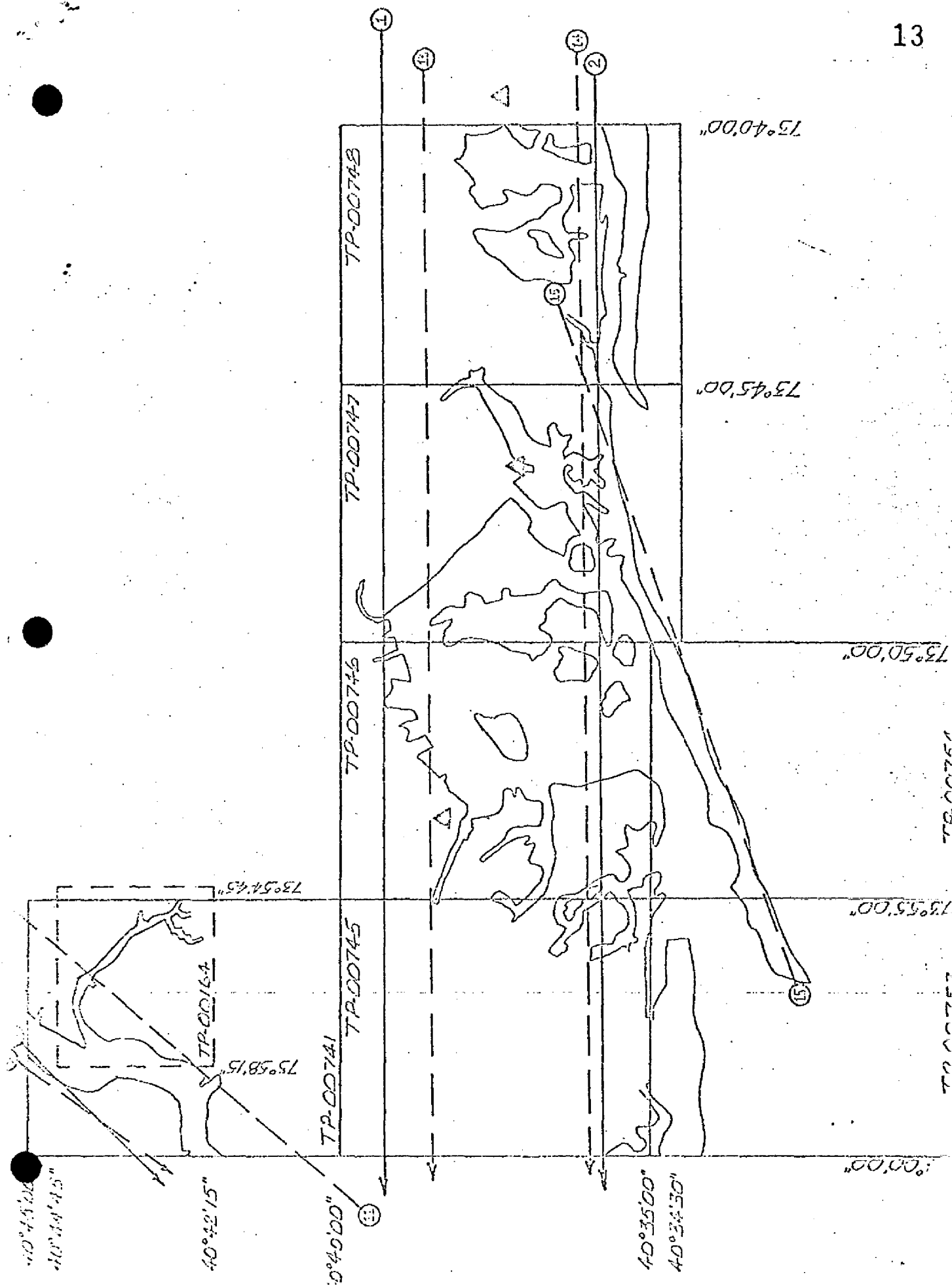
Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation Section



JOB CM-7301
 NEW YORK HARBOR, RARITAN & JAMAICA BAYS
 NEW YORK-NEW JERSEY
 1:10,000 and 1:5,000 SCALE
 7-75





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

10/2

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEOGRAPHIC DATUM		GEOGRAPHIC POSITION		REMARKS
			COORDINATES IN FEET	STATE	ZONE	φ LATITUDE	
TP-00755-		2M-7301					
	PARITAN BAY NEW JERSEY	NJ Vol I					
	CENT. P & L CO TANK	GP-P460					
	1931						
	BEACON 5A 1932	NJ Vol II					
		GP-P246					
	GREAT BEDS Light House	NJ Vol II					
	1908	GP-P25					
	S. AMBOY CHRIST	NJ Vol I					
	CH. SPIRE 1930	GP-P460					
	S AMBOY SEABOARD	NJ Vol I					
	DOCK CO. CHY 1926	GP-P480					
	PARITAN RIVER BEACON	NJ Vol I					
	4 1934	GP-P477					
	CHEESEPUAKE CREEK	NJ Vol I					
	LT 1930	GP-P481					
	CHEESEPUAKE CREEK	NJ Vol I					
	BEACON 1930	GP-P481					
	S. AMBOY SACRED HEART	NJ Vol I					
	CH S CUPOLA 1918	GP-P485					
	S. AMBOY SACRED HEART	NJ Vol I					
	POLISH CH N. CUPOLA	GP-P543					
	1930						
COMPUTED BY	N/A						
LISTED BY	G. Fromm						
HAND PLOTTING BY	N/A						
COMPUTATION CHECKED BY	N/A						
DATE							
LISTING CHECKED BY	G. Ball						
DATE	Nov 11, 1975						
HAND PLOTTING CHECKED BY	N/A						
DATE							

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM		AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
			STATE	ZONE			ϕ LATITUDE	λ LONGITUDE				
7P-00755		CM-7301										
5 AMBOY STANDPIPE 1931		NJ Vol I GP-P480			148		X=		ϕ 40-28-28.350			
							Y=		λ 74-17-21.766			
RAKITAN RIVER CUT OFF CHANNEL LT 2 1962		Unadjusted			43		X=		ϕ 40-29-34.07			
							Y=		λ 74-16-16.01			
RAKITAN BAY. BEACON 2 1932		NJ Vol I GP-P481			101		X=		ϕ 40-29-07.675			
							Y=		λ 74-15-37.121			
5. AMBOY JERSEY CENT. P & L CO. MIDDLE STACK 1931		NJ Vol I GP-540					X=		ϕ 40-29-28-327			Not plotted on manuscript
							Y=		λ 74-16-56.249			
CHEESEQUAKE CA. EAST TRANSMISSION TOWER 1930		NJ Vol I GP-P481			162113		X=		ϕ 40-27-45.414			Not plotted on sheet. Appears destroyed and relocated nearby.
							Y=		λ 74-15-31.414			
CHEESEQUAKE CA. WEST TRANSMISSION TOWER 1930		NJ Vol I GP-P481			162110		X=		ϕ 40-27-46-569			Not plotted on sheet. Appears destroyed and relocated nearby.
							Y=		λ 74-15-34.403			
							X=		ϕ			
							Y=		λ			
							X=		ϕ			
							Y=		λ			
							X=		ϕ			
							Y=		λ			
							X=		ϕ			
							Y=		λ			
COMPUTED BY	N/A				DATE		COMPUTATION CHECKED BY	N/A			DATE	
LISTED BY					DATE		LISTING CHECKED BY				DATE	Nov 11, 1975
HAND PLOTTING BY	G. Freeman				DATE		HAND PLOTTING CHECKED BY				DATE	

TP-00755
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 along-shore 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. The western shoreline (bkhd in ruins) of the islands in the Raritan River was compiled graphically from the later date infrared photography.

Alongshore detail was delineated by office interpretation of the color photography, supplemented by the later date infrared photography. Some additional features only identifiable from the infrared photography were compiled graphically.

- * 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. This also applies to those *shoal*, or portions of, depicted with the MLW line symbol.

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:

Keyport, 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:

12327(formerly 369) 1:40,000 scale, 65th edition, Feb. 1, 1975
12328(formerly 369-SC) 1:40,000 scale, 12th edition, Feb. 1975
12332(formerly 375) 1:20,000 scale, 16th edition, Nov. 18, 1972
12331(formerly 286), 1:15,000 scale, 19th edition, Sept. 7, 1974

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 M. Hall

COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00755

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 J. Brown
14 Oct 76Supervisor James D. Boer



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



REVIEW REPORT
TP-00755

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.

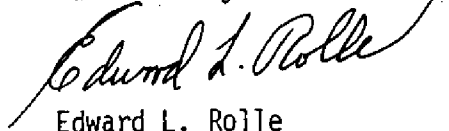
67. The Mean Low Water Line

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

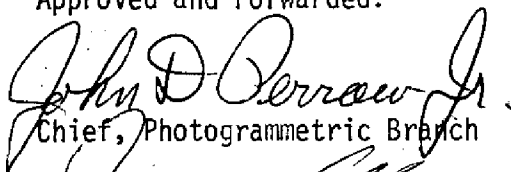
The back limits of "fingers of marsh" were not compiled, where the horizontal distance to the apparent shoreline was 15 meters or less at map scale. No attempt was made to displace these limits or to label "finger of marsh," because of the dense concentration of other map detail.

Submitted by:

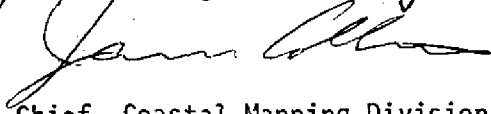


Edward L. Rolfe

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-00755

Cheesequake Creek

Crossway Creek

Ferry Point

Flat Creek

Melvins Creek

Morgan

Morgan Beach

N.Y. & Long Branch (RR)

Raritan Bay

Raritan River

Reed Root Creek

South Amboy

Stump Creek

Ward Point

Approved by:


Charles E. Harrington, (C51x2)
Staff Geographer

76-4000 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA LISTING COASTAL MAPPING DIVISION DEPARTMENT OF COMMERCE USA 770818									
* SVY TP-00755 * NONFLOATING AIDS FOR CHARTS * RPT UNIT C4D ROCKVILLE, MD. * PAGE 1 OF 3 *									
* JOB CM-7301 * TO BE REVISED * LOCALITY SOUTH AMBOY * ORIGINATING ACTIVITY *									
* PRJ N Y HARBOR * DATE 08/12/77 * COMPILATION *									
* DTM NA 1927 *									
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *									
* * * * *									
* DESCRIPTION * POSITION * CMD * METHOD AND DATE * CHARTS *									
* CHARTING* RECORD REASON FOR DELETION * LATITUDE * DM * ALTEK* OF LOCATION * CHARTS *									
* NAME * PUT TRIANGULATION NAMES IN () * LONGITUDE * DP * DGTZD* OFFICE * FIELD * AFFECTED*									
* * * * *									
* NEW YORK HARBOR - RARITAN BAY * * * * *									
* * * * *									
* -LIGHT * (BEACON 5A 1932) * 40 29 43.79 1350.7 NOT *74E(C)7196* * 12327 *									
* 58 * * 74 15 07.43 175.0 DGTZD* 10/19/74 * * 12331 *									
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* NEW YORK HARBOR - RARITAN BAY * * * * *									
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* CHEESEQUAKE CREEK * * * * *									
* -LIGHT * (CHEESEQUAKE CREEK LIGHT 1930) * 40 27 58.54 1805.7 *74E(C)7196* * 12327 *									
* * * 74 15 27.92 657.8 * 10/19/74 * * 12331 *									
* * * * *									
* -LIGHT * (CHEESEQUAKE CREEK LIGHT 1930) * 40 27 55.92 1724.8 NOT *74E(C)7196* * 12327 *									
* * * 74 15 27.46 646.9 DGTZD* 10/19/74 * * 12331 *									
* * * * *									
* -DYBN * (CHEESEQUAKE CREEK BEACON 1930) * 40 27 54.40 1678.0 NOT *74E(C)7196* * 12327 *									
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TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED		
AND/OR VERIFIED BY		
FIELD AND OFFICE		
ACTIVITIES		
	NO FIELD EDIT-CLASS III MAP	FIELD REPRESENTATIVE
	J. SCHAD	OFFICE COMPILER
	L. HARROD	DIGITIZER
	G. FROMM	DATA PROCESSOR

TP-00755

National Archives Data

One C&GS Form 152 (Control Station Identification)

Photography: 74-C(C) 1209 & 74-E(C) 6851

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Rev.

FORM CAGS-8352 SUPERSEDES ALL EDITIONS OF FORM CAGS-976.