

ORIGINAL

*

TP-00749

TP-00749

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-00749.....

Classification No. IIII..... Edition No. 1.....

LOCALITY

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

General Locality . Arthur Kill - Raritan River.....

Locality . Port Reading to Keasbey.....

1974 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		SURVEY TP.00749	
DESCRIPTIVE REPORT - DATA RECORD				☒ ORIGINAL		MAP EDITION NO. d 1	
				☐ RESURVEY		MAP CLASS III	
				☐ REVISED		JOB CM-7301	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Rockville, Maryland				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE Commander James Collins				TYPE OF SURVEY		JOB PH. _____	
				☐ ORIGINAL		MAP CLASS _____	
				☐ RESURVEY		SURVEY DATES:	
				☐ 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: ☒ 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				G. Vanderhaven		12/8/75	
COMPILATION CHECKED BY				G. Fromm		12/8/75	
INSTRUMENT: Wild B-8 CONTOURS BY				N/A			
SCALE: 1:15,000 CHECKED BY				N/A			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				G. Fromm		1/14/76	
CHECKED BY				G. Vanderhaven		1/16/76	
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	
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	

TIDE - COORDINATED PHOTOGRAPHY

TP - 00749

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
75B6973R-6775R (Raritan River)	South Amboy (Sub.Sta.)	-0.08 MLW	5.0
75B5979R-5982R (Arthur Kill)	Perth Amboy (Sub.Sta.)	-0.68 MLW	5.2
	Tohenville (Sub.Sta.)	-0.68 MLW	5.3
<u>NOTE:</u> Reference station(s) <u>ONLY</u> were observed at time of photography.			

REMARKS:

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

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

TIDE - COORDINATED PHOTOGRAPHY

TP - 00749

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
75B6973R-6775R (Raritan River)	South Amboy (Sub.Sta.)	-0.08 MLW	5.0
75B5979R-5982R (Arthur Kill)	Perth Amboy (Sub.Sta.)	-0.68 MLW	5.2
	Tohenville (Sub.Sta.)	-0.68 MLW	5.3
NOTE: Reference station(s) <u>ONLY</u> were observed at time of photography.			

REMARKS:

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

TP-00749

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD ~~INVESTIGATION~~ OPERATION☐ FIELD EDIT OPERATION

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

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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)

None

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

RECORD OF SURVEY USE

TP-00749

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
4		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 CMD Special Projects Section, and will be destroyed 5 years after the date of Final Review.

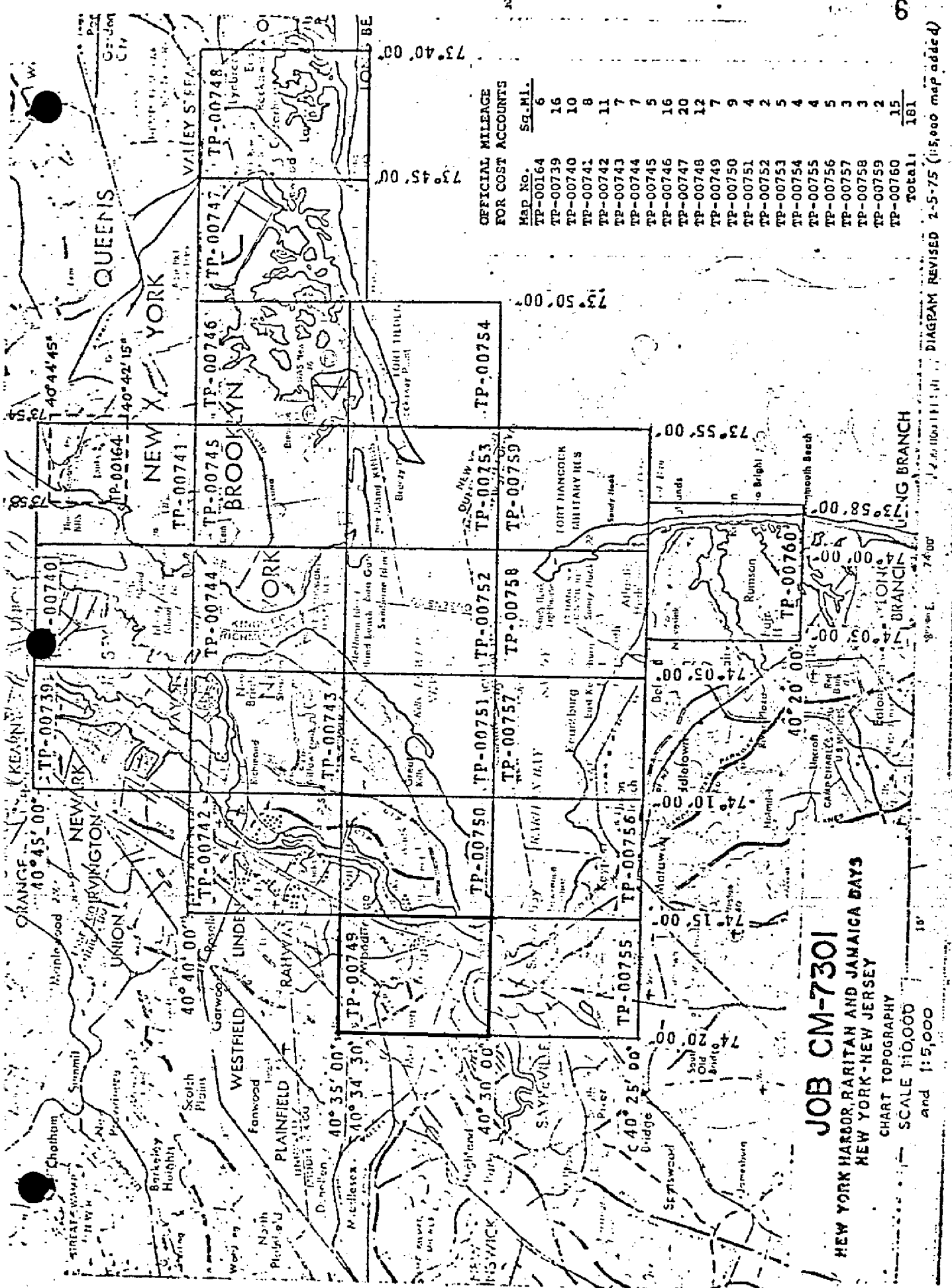
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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 ☐ 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	



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

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

OFFICIAL MILEAGE
 FOR COST ACCOUNTS

DIAGRAM REVISED 2-5-75 (15,000 map added)

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-00733 thru TP-00760 and one 1:5,000 sheet, TP-00164. The 1:5,000 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.

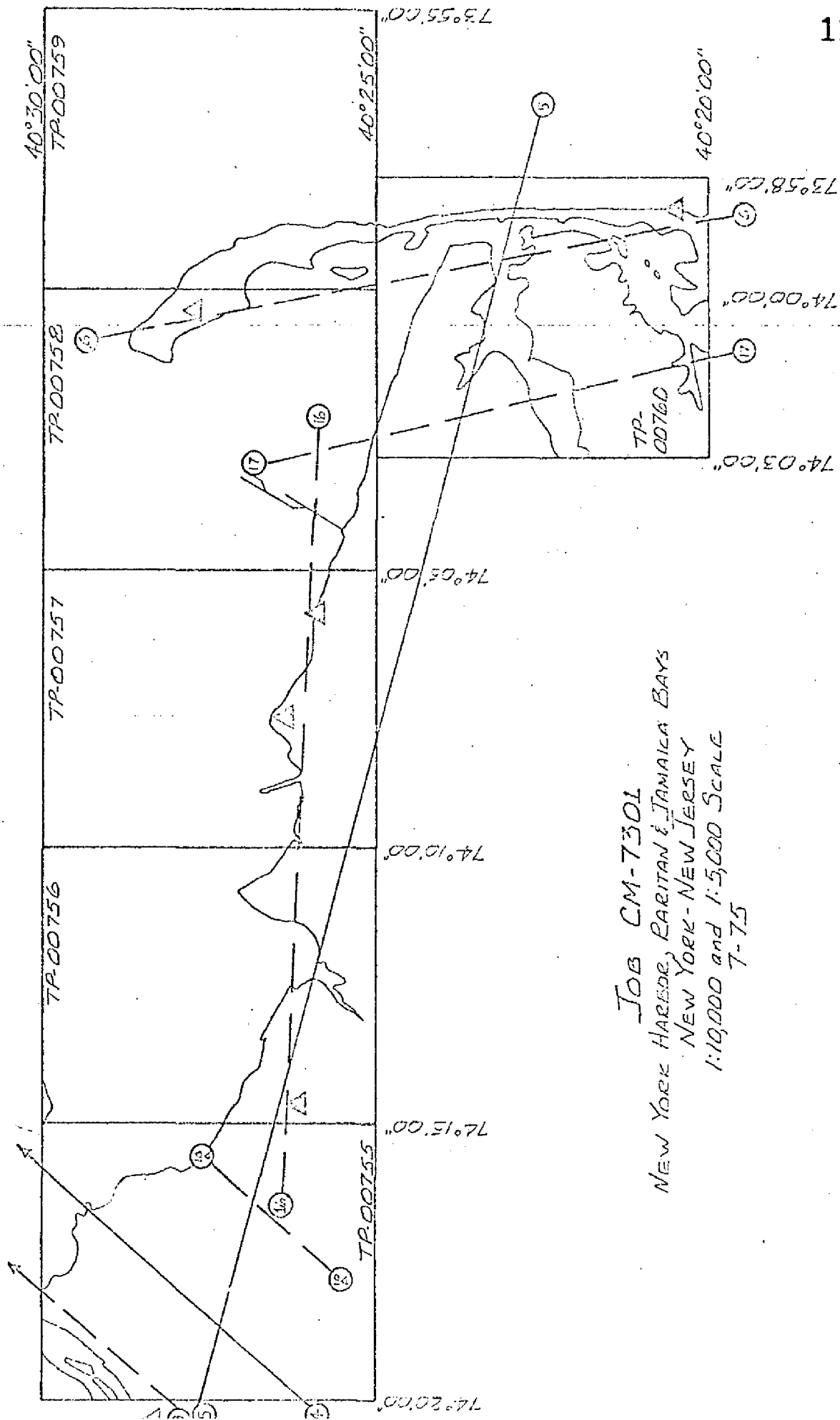
Respectfully submitted,

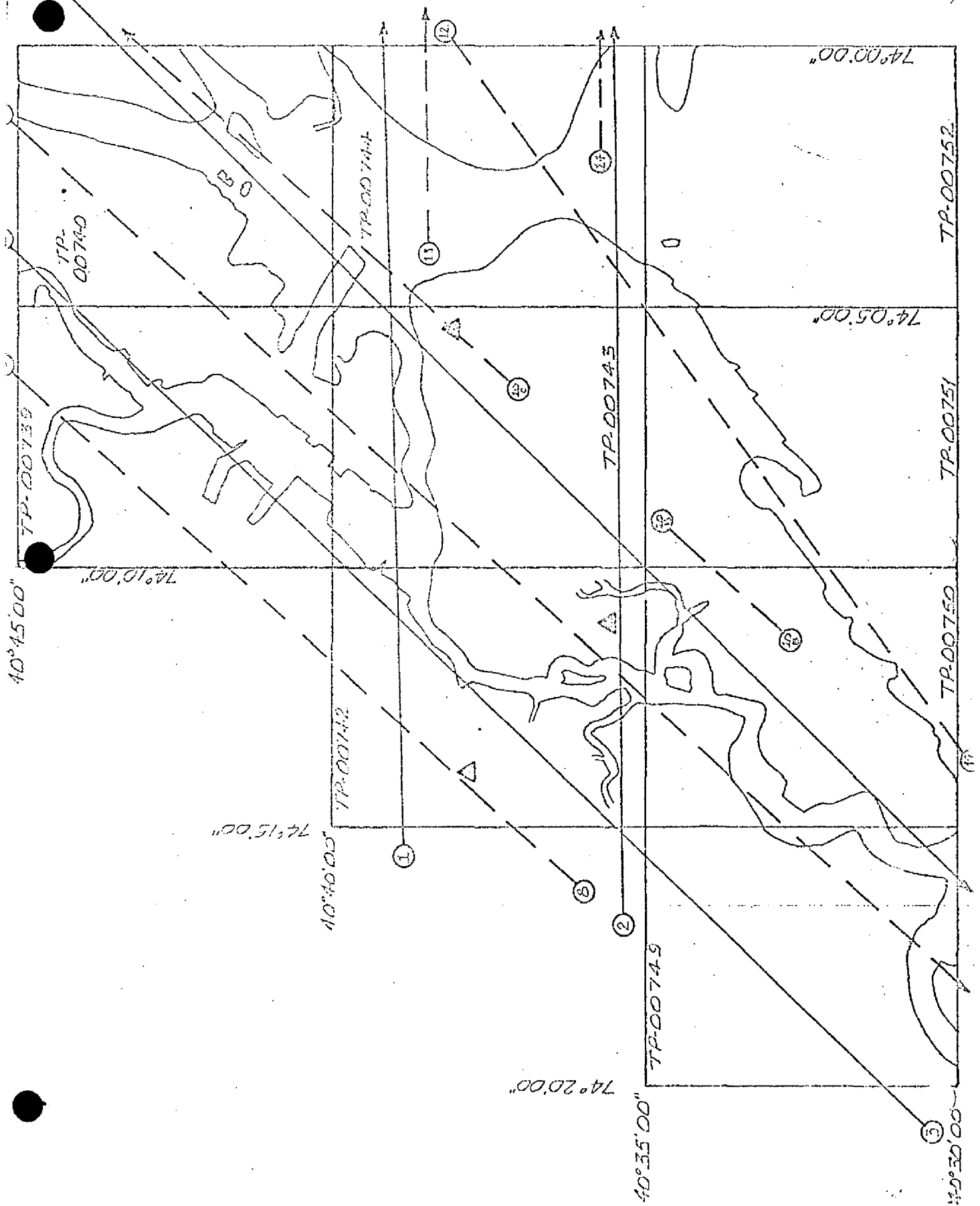
Ivor O. Raborn
Ivor O. Raborn

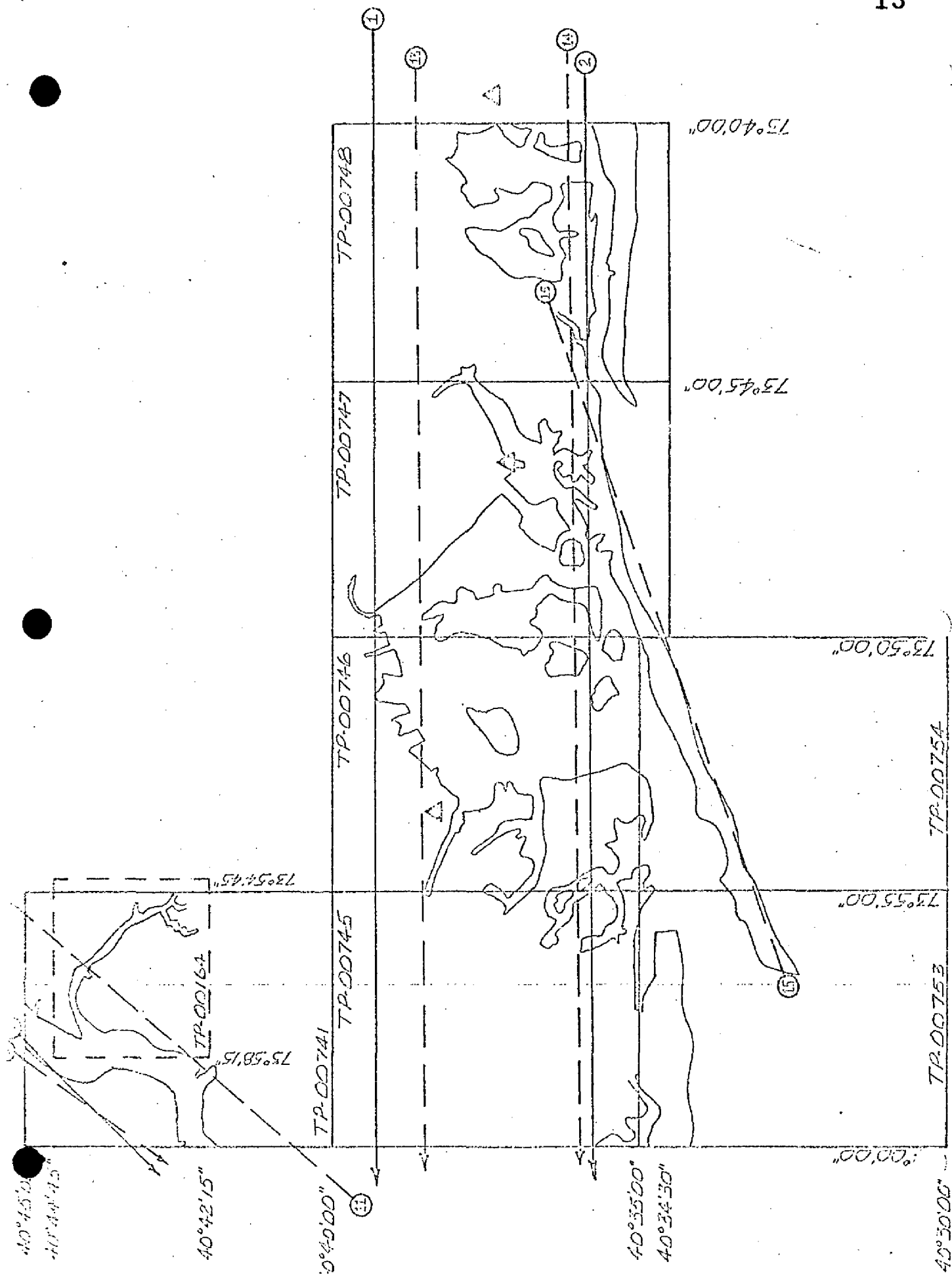
Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.

Chief, Aerotriangulation Section







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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
					STATE	ZONE	φ LATITUDE	λ LONGITUDE	
TA-00744		CM-7301							
	MAURER GENERAL ASPHALT CO. TANK, 1931		NJ Vol I	899111	X=		φ 40-32-28.627		
			GP-P.508		Y=		λ 74-16-23.403 ✓		
	PERTH AMBOY STANDPIPE		NJ Vol I		X=		φ 40-31-21.738		
	1930		GP-P.482	899110	Y=		λ 74-17-01.502 ✓		
	BEACON NO. 6		NJ Vol I		X=		φ 40-32-45.752		
	1931		GP-P.416	89	Y=		λ 74-15-04.605 ✓		
	PERTH AMBOY, ST STEPHENS POLISH CATHOLIC CHURCH SPIRE 1930		NJ Vol I	91	X=		φ 40-30-56.847		
			GP-P.482		Y=		λ 74-15-51.836 ✓		
	PERTH AMBOY BANK BUILDING, TAVIC 1931		NJ Vol I		X=		φ 40-30-32.767		
			GP-P.540	879110	Y=		λ 74-16-05.481 ✓		
	FORDS HAYDEN CHEMICAL CO. TANK 1932		NJ Vol I	152	X=		φ 40-30-51.176		Not identifiable on photography.
			GP-P.478		Y=		λ 74-19-23.025 ✓		
	FORDS HAYDEN CHEMICAL CO CHY 1932		NJ Vol I		X=		φ 40-30-50.117		
			GP-P.478		Y=		λ 74-19-16.439 ✓		
	NORTH PERTH AMBOY INCINERATOR CHY 1932		NJ Vol I	153	X=		φ 40-30-56.244		
			GP-P.479		Y=		λ 74-17-20.047 ✓		
	ST PETER'S CHURCH (SPIRE) 1903		NJ Vol I		X=		φ 40-30-13.147		
			GP-P.606		Y=		λ 74-15-56.317 ✓		
	RARITAN RIVER BEACON NO. 2 1932		NJ Vol I	151	X=		φ 40-30-24.128		
			GP-P.478		Y=		λ 74-18-54.486		
COMPUTED BY	N/A			DATE	COMPUTATION CHECKED BY	N/A		DATE	
LISTED BY	G. Fromm			DATE 11-10-75	LISTING CHECKED BY	G. Ball		DATE 10-10-1975	
HAND PLOTTING BY	N/A			DATE	HAND PLOTTING CHECKED BY	N/A		DATE	

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.	STATION NAME	JOB NO.	AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
					STATE ZONE	φ λ	φ λ	φ λ	
TA00749		07-7301							
	VASELINE 1915	NT 001Z			X=		φ 40-30-15-612		345
	(Tallest stack)	GP-P481			Y=		λ 74-16-45-613		
	KEASBY CARDORUNDUM CO.	NT 001Z	209113		X=		φ 40-30-41-735		
	TALL CHY 1932	GP-P479			Y=		λ 74-18-29-111		
	PERTH AMBOY GENERAL CABLE	NT 001Z			X=		φ 40-30-49-031		
	CO. STANDARD UNDERGROUND PLANT	GP-P540			Y=		λ 74-15-41-829		
	PERTH AMBOY NATIONAL LEAD	NT 001Z			X=		φ 40-31-48-410		not plotted on map use rpt.
	CO STACK (SNGT) 1931	GP-P540			Y=		λ 74-15-43-262		335
	SHOT 1915	NU 001Z			X=		φ 40-31-48-312		
		GP-P446			Y=		λ 74-15-42-445		
	PERTH AMBOY FORD.	NT 001Z			X=		φ 40-30-50-436		
	POACGLAW WORKS TALLEST	GP-P482			Y=		λ 74-16-43-050		
	TANIC 1930				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	N/A		DATE		COMPUTATION CHECKED BY	N/A		DATE	
LISTED BY	G. Fromm		DATE	11-10-75	LISTING CHECKED BY	G. Ball		DATE	Nov 10, 1975
HAND PLOTTING BY	N/A		DATE		HAND PLOTTING CHECKED BY	N/A		DATE	

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

TP-00749
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 infrared photography was used to depict the mean low water line and to update the instrument compilation. Refer to paragraph 35.

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 1974 color photography.

Alongshore and foreshore features were delineated by office interpretation of the color photography and updated by graphic compilation from the 1975 infrared photography.

- * The MLWL was updated 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.

* Refer to REVIEW REPORT, item 67.

36. Offshore Details

No unusual problems were encountered in compiling details offshore.

37. Landmarks and Aids

Positions of landmarks and nonfloating 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.

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 quadrangles:

Perth Amboy, N.J.-N.Y., Scale 1:24,000, 1956 Edition
Photorevised 1970.

Arthur Kill, N.Y.-N.J., Scale 1:24,000, 1966 Edition.

No significant changes were noted.

47. Comparison with Nautical Charts

A comparison has been made with the following nautical charts:

12327 (formerly 369), scale 1:40,000, 64th Edition, dated July 13, 1974.
12328 (formerly 369-SC), scale 1:40,000, 12th Edition, dated Feb. 1, 1975.
12331 (formerly 286), scale 1:15,000, 19th Edition, dated Sept. 7, 1974.
375, scale 1:20,000, 16th Edition, dated Nov. 18, 1972.

Items to be applied to Nautical Charts immediately - None.

Items to be carried forward - None.

Submitted by:

G. Vanderhaven
G. Vanderhaven

Approved and Forwarded:

George M. Ball

COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00749

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. Lamm

14 Oct 76

Supervisor John M. Bue



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-00749

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.

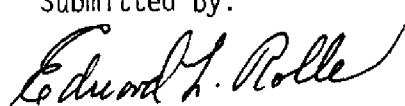
67. The Mean Low Water Line

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

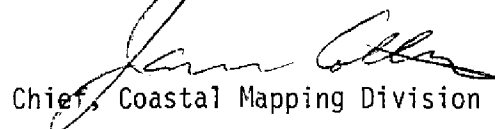
The back limits of "fingers of marsh" were not compiled, where the horizontal distance to the apparent shoreline was 15 meters or less at map scale. No attempt was made to displace these limits or to label "finger of marsh," because of the dense concentration of other map detail.

Submitted by:



Edward L. Rolle

Approved and Forwarded:


Chief, Photogrammetric Branch
Chief, Coastal Mapping Division

March 29, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00749

Arthur Kill

Black Ditch

Boynton Beach (locality)

Central RR of N.J.

Crows Mill Creek

Keasbey

Lehigh Valley RR

Marsh Point

Maurer

Perth Amboy

Ploughshare Point

Raritan River

Red Root Creek

Sandy Point

Sewaren

Smith Creek

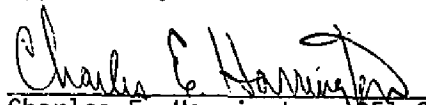
Spring Creek

Staten Island

Tottenville

Woodbridge Creek

Approved by:


Charles E. Harrington, C51x2
Staff Geographer

SVY	TP-00756	*	NONFLOATING AIDS FOR CHARTS	* RPT UNIT	CMD ROCKVILLE, MD.	* PAGE 1 OF 3	*
JOB	CM-7301	*	TO BE REVISED	* STATE	NEW JERSEY	*	*
PRJ	N Y HARBOR	*		* 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 *

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

NEW YORK HARBOR - RARITAN BAY *

* -LIGHT *	(RARITAN BAY BEACON 5, 1930)	*	40 29 46.90	1446.6	NOT	*74E(C)7195*	* 12327 *
42 *	*	*	74 13 28.96	682.0	DGTZD*	10/19/74 *	12331 *
							12332 *
* -LIGHT *		*	40 29 23.87	736.3		*74E(C)7195*	12327 *
47 *		*	74 13 42.94	1011.3		* 10/19/74 *	12331 *
							12332 *
* -LIGHT *		*	40 29 25.47	785.6		*74E(C)7195*	12327 *
52 *		*	74 14 26.44	622.7		* 10/19/74 *	12331 *
							12332 *

* NEW YORK HARBOR - RARITAN BAY *	*	*
* NEW YORK HARBOR - RARITAN BAY *	*	*

* *	* WARD POINT SECONDARY CHANNEL	* *	* *	* *
* *	-LIGHT * (RARITAN BAY BEACON 4, 1930)	* 40 29 07.39	227.9 NOT *74E(C)7195*	* 12327 *
* *	4 *	* 74 14 28.57	672.9 DGTZD* 10/19/74 *	* 12331 *
* *				* 12332 *

[illegible]

* * NEW YORK	* HARBOR	* MARIETTA LHT	* * *
* SOUTH CHANNEL	* * *	* * *	* * *
* LIGHT	* BOUNDARY LIGHT	(BOUNDRY	* 40 28 35.30 1088.8 NOT *74E(C)7195*
* BEACON NY - NJ	1903)		* 74 13 32.67 769.6 DGTZD# 10/19/74 *
			* 12327 *
			* 12331 *
			* 12332 *

* TYPE OF ACTION	* NAMES OF RESPONSIBLE PERSONNEL	* ORIGINATOR
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* * POSITIONS DETERMINED * * FIELD REPRESENTATIVE
* * AND/OR VERIFIED BY * * OFFICE COMPILER
* * FIELD AND OFFICE * * DIGITIZER
* * ACTIVITIES * * DATA PROCESSER
* * * * *

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* SVY TP-00749 * NONFLOATING AIDS FOR CHARTS * RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF 4 *
 * JOB CM-7301 * TO BE REVISED * LOCALITY P READING TO KEASBEY*ORIGINATING ACTIVITY*
 * PRJ NY 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 *
 * RECORD REASON FOR DELETION * LATITUDE * DM * ALTEK* OF LOCATION * CHARTS *
 * NAME * PUT TRIANGULATION NAMES IN () * LONGITUDE * DP * DGTD* OFFICE * FIELD * AFFECTED*

* NEW YORK HARBOR - RARITAN BAY * * * * *
 * RARITAN RIVER * * * * *

* -LT 14 * (RARITAN RIVER BEACON * 40 30 24.13 744.3 NOT *74E(C)7097* * 375 *
 * NO 2, 1932) * 74 18 54.49 1283.0 DGTD* 10/19/74 * * *

* NEW YORK HARBOR - RARITAN BAY * * * * *
 * RARITAN RIVER SOUTH CHANNEL * * * * *

* TITANIUM DOCK LIGHT * 00 00 00.00 0.0 NOT *UNVERIFIED* * 375 *
 * 00 00 00.00 0.0 DGTD* * * * *

* NEW YORK HARBOR * * * * *
 * ARTHUR KILL * * * * *

* OUTER BRIDGE REACH RANGE * 40 33 06.05 186.6 *74E(C)7095* * 286 *
 * FRONT LIGHT * 74 15 14.12 332.2 * 10/19/74 * * 12327 *
 * 12328 *

* OUTER BRIDGE REACH RANGE * 40 33 13.20 407.2 *74E(C)7095* * 286 *
 * REAR LIGHT * 74 15 15.50 364.7 * 10/19/74 * * 12327 *
 * 12328 *

* MAURER SOUTH RANGE FRONT LIGHT * 00 00 00.00 0.0 NOT *UNVERIFIED* * 286 *
 * 00 00 00.00 0.0 DGTD* * * 12327 *
 * 12328 *

* TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR *

POSITIONS DETERMINED
 AND/OR VERIFIED BY
 FIELD AND OFFICE
 ACTIVITIES
 NO FIELD EDIT-CLASS III MAP
 G. VANDERHAVEN
 L. HARROD
 G. FROMM
 FIELD REPRESENTATIVE
 OFFICE COMPILER
 DIGITIZER
 DATA PROCESSER

SVY TP-00749 * RPT UNIT CMD ROCKVILLE, MD. * PAGE 3 OF 4
JOB CM-7301 * STATE NEW JERSEY
PRJ N Y HARBOR * LOCALITY P READING TO KEASBEY*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

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

STACK	*(KEASBY CARBORUNDUM CO TALL	* 40 30 41.74	1287.5	NOT	*74E(C)7097*	* 375
	* CHIMNEY 1932)	* 74 18 29.11	685.3	DGTZD*	10/19/74 *	
STACK	*(NORTH PERTH AMBOY INCINERATOR	* 40 30 56.24	1734.7	NOT	*74E(C)7097*	* 375
	* CHIMNEY 1932)	* 74 17 20.05	472.0	DGTZD*	10/19/74 *	
STAND-PIPE	*(PERTH AMBOY STANDPIPE 1930)	* 40 31 21.74	670.6	NOT	*74E(C)7097*	* 286
		* 74 17 01.50	35.3	DGTZD*	10/19/74 *	12327
STACK	*(VASLINE 1915)	* 40 30 15.61	481.5	NOT	*74E(C)7097*	12328
	* TALLEST STACK	* 74 16 45.61	1073.9	DGTZD*	10/19/74 *	286
SPIRE	*(ST PETERS CHURCH DOME 1903)	* 40 30 13.15	405.6	NOT	*74E(C)7097*	12327
		* 74 15 56.32	1326.1	DGTZD*	10/19/74 *	12328
TANK	*(PERTH AMBOY BANK BUILDING	* 40 30 32.77	1010.8	NOT	*74E(C)7097*	286
	* TANK 1931)	* 74 16 05.48	129.0	DGTZD*	10/19/74 *	12327
TANK	*(PERTH AMBOY GEN CABLE CO STD	* 40 30 49.03	1512.3	NOT	*74E(C)7097*	12328
	* UNDERGROUND PLANT TANK 1931)	* 74 15 41.83	984.8	DGTZD*	10/19/74 *	286
SPIRE	*(PERTH AMBOY ST STEPHENS	* 40 30 56.85	1753.5	NOT	*74E(C)7097*	12327
	* POLISH CATH CH SPIRE 1930)	* 74 15 51.84	1220.4	DGTZD*	10/19/74 *	12328
TANK	*(MAURER GENERAL ASPHALT CO	* 40 32 28.63	883.1	NOT	*74E(C)7095*	286
	* TANK 1931)	* 74 16 23.40	550.7	DGTZD*	10/19/74 *	12327
TALL TANK	*(PERTH AMBOY FORD PORCELAIN	* 40 30 50.44	1555.8	NOT	*74E(C)7095*	12328
	* WORKS TALLEST TANK 1930)	* 74 16 43.05	1013.5	DGTZD*	10/19/74 *	286
						12327
						12328

TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR *

POSITIONS DETERMINED NO FIELD EDIT-CLASS III MAP
AND/OR VERIFIED BY G. VANDERHAVEN
FIELD AND OFFICE NOT DIGITIZED
ACTIVITIES G. FROMM
DATA PROCESSER

* SVY	TP-00749	*			RPT UNIT	CMD ROCKVILLE, MD.	*	PAGE	4 OF	4	*
* JOB	CM-7301	*			STATE	NEW JERSEY	*				*
* PRJ	N Y HARBOR*	*			LOCALITY	P READING TO KEASBEY*		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	*
**CHARTING*	RECORD REASON FOR DELETION	*	LATITUDE	DM	ALTEK*	* CHARTS *
* NAME *	PUT TRIANGULATION NAMES IN ()	*	LONGITUDE	DP	DGTZD*	*AFFECTED*
					OFFICE	* FIELD

* * * CHARTED LDMK(S) UNIDENTIFIABLE ON COMPILATION PHOTOGRAPHY. * *

* TANK	* (FORDS, HAYDEN CHEMICAL CO	* 40 30 51.18	1578.7	NOT *	* 375
* TANK	* TANK 1932)	* 74 19 23.03	542.2	OGI7D*	* 375

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1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to understand what consumers want and what problems they are facing. Once a need is identified, the next step is to develop a concept that addresses that need. This is often done through brainstorming sessions and the creation of a prototype. The third step is to create a business plan that outlines the costs of production, the pricing strategy, and the marketing plan. This plan is essential for securing funding and for guiding the development of the product. The fourth step is to manufacture the product, which involves sourcing materials, hiring workers, and setting up a production line. Finally, the product is launched into the market, and the company monitors sales and customer feedback to make any necessary adjustments.

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[illegible]

-----	* TYPE OF ACTION	* NAMES OF RESPONSIBLE PERSONNEL	* ORIGINATOR
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* *	TYPE OF ACTION	* *	NAMES OF RESPONSIBLE PERSONNEL	* *	ORIGINATOR

✱ ✱ ✱

* * * * *
 AND/OR VERIFIED BY * * * * *
 G. VANDERHAVEN * * * * *
 NOT DISCREDITED * * * * *
 OFFICE COMPILER * * * * *

[illegible]

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POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	* * * * *	NO FIELD EDIT-CLASS III MAP G. VANDERHAVEN NOT DIGITIZED G. FROMM
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TP-00749

National Archives Data

None

