

ORIGINAL

TP-00739

D
*

TP-00739

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-00739.....

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

LOCALITY

StateNew York-New Jersey.....

General Locality ..Newark, N.J.

LocalityNewark Bay.....

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

TP-00739
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8 (E) RC-10 (B) (152.7mm) focal lengths		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 MERIDIAN 75th ☒ STANDARD ☐ DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE in feet	
74E (C) 7086-7089	10/19/74	1156-1206	1:30,000	*-0.2' MHW	
74E (C) 7145-7149	10/19/74	1233-1240	1:30,000	*-0.2' MHW	
75B (I) 5970R-5974R	10/3/75	1204-1212	1:30,000	Refer to the following page for tide information	

REMARKS * Computation from Predicted Tide Tables.

All listed photography ratioed to 1:10,000

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high water line is the ~~color~~ photography listed in item one. Refer to paragraph 35 on the Compilation Report bound with this Descriptive Report.

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

The source for the mean low water line is the ratio prints of the black-and-white, tide-coordinated infrared photography listed in item one.

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
No contemp. survey	TP-00740	TP-00743	No contemp. survey

REMARKS

NOAA FORM 76-36B(1)
(7-75)TP-00739
TIDE - COORDINATED PHOTOGRAPHY
TP - 00739U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE In feet	MEAN RANGE In feet
	THE BATTERY (Reference Station)		4.5
75B5970R-5972R (Passaic River)	Newark (Sub Sta.)	-.20 MLW	5.1
75B5970R-5972R (Hackensack River)	Kearny Pt. (Sub Sta.)	-.44 MLW	5.0
75B5972R-5974R (Newark Bay)	Port Newark Terminal (Sub Sta.)	-.59 MLW	5.1
NOTE: The reference station(s) only were in operation at the time of photography.			

REMARKS:

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

HISTORY OF FIELD OPERATIONS

TP-00739

☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	8/74
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N/A N/A N/A	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N/A N/A N/A	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	N/A N/A 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

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

TP-00739

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
6		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

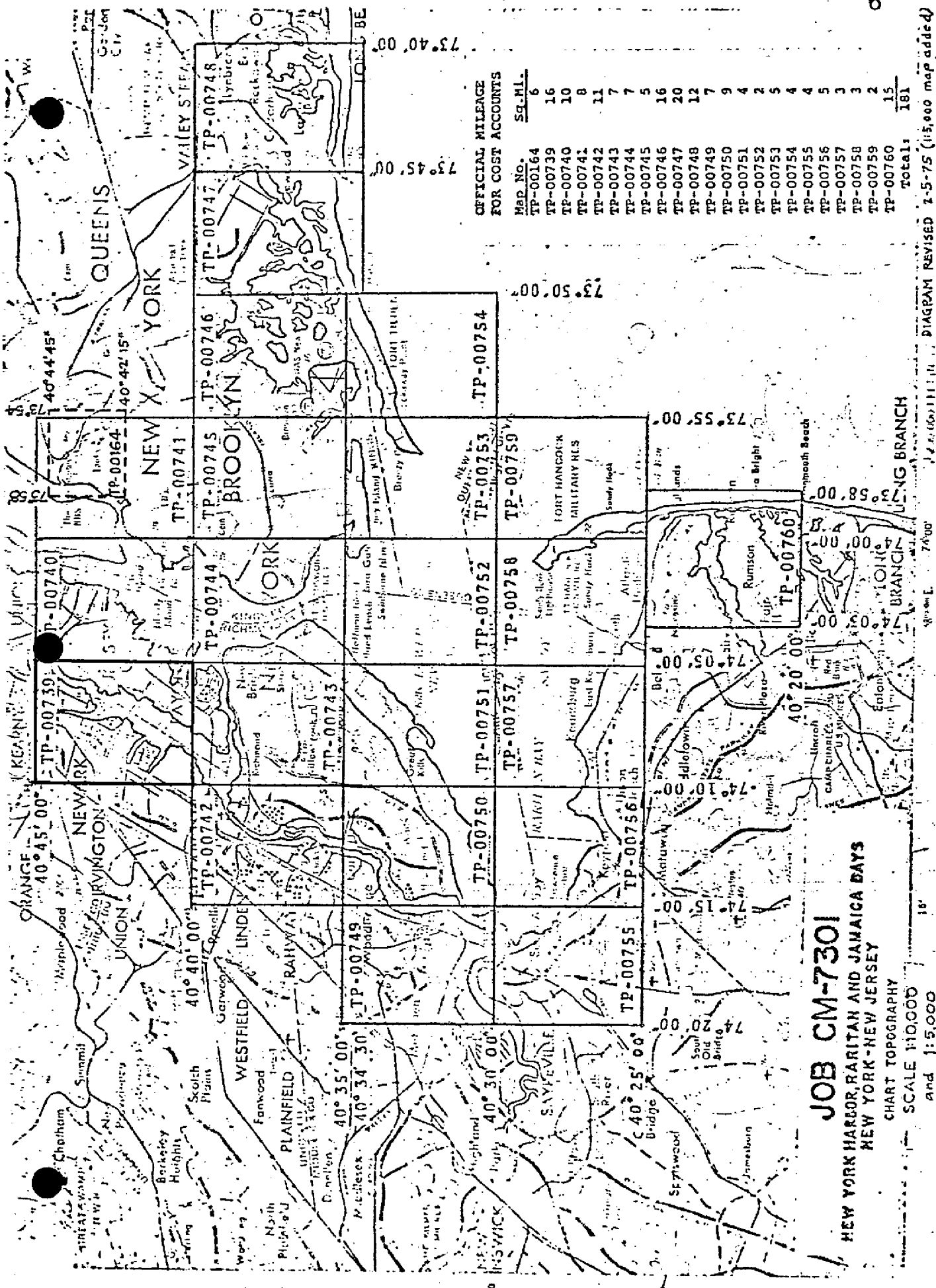
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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



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 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

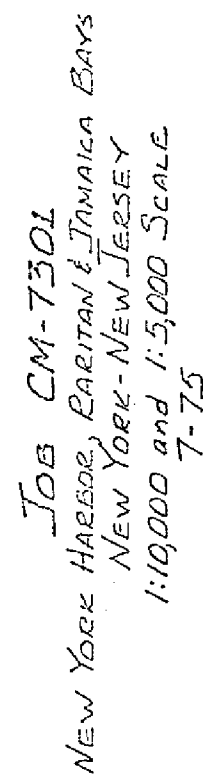
The photography was adequate as to coverage and overlap except for the 1:5,000 scale sheet, TP-00164. This photography has not been taken as of this report. Definition of the photography at all scales was very poor due to haze at time of photography.

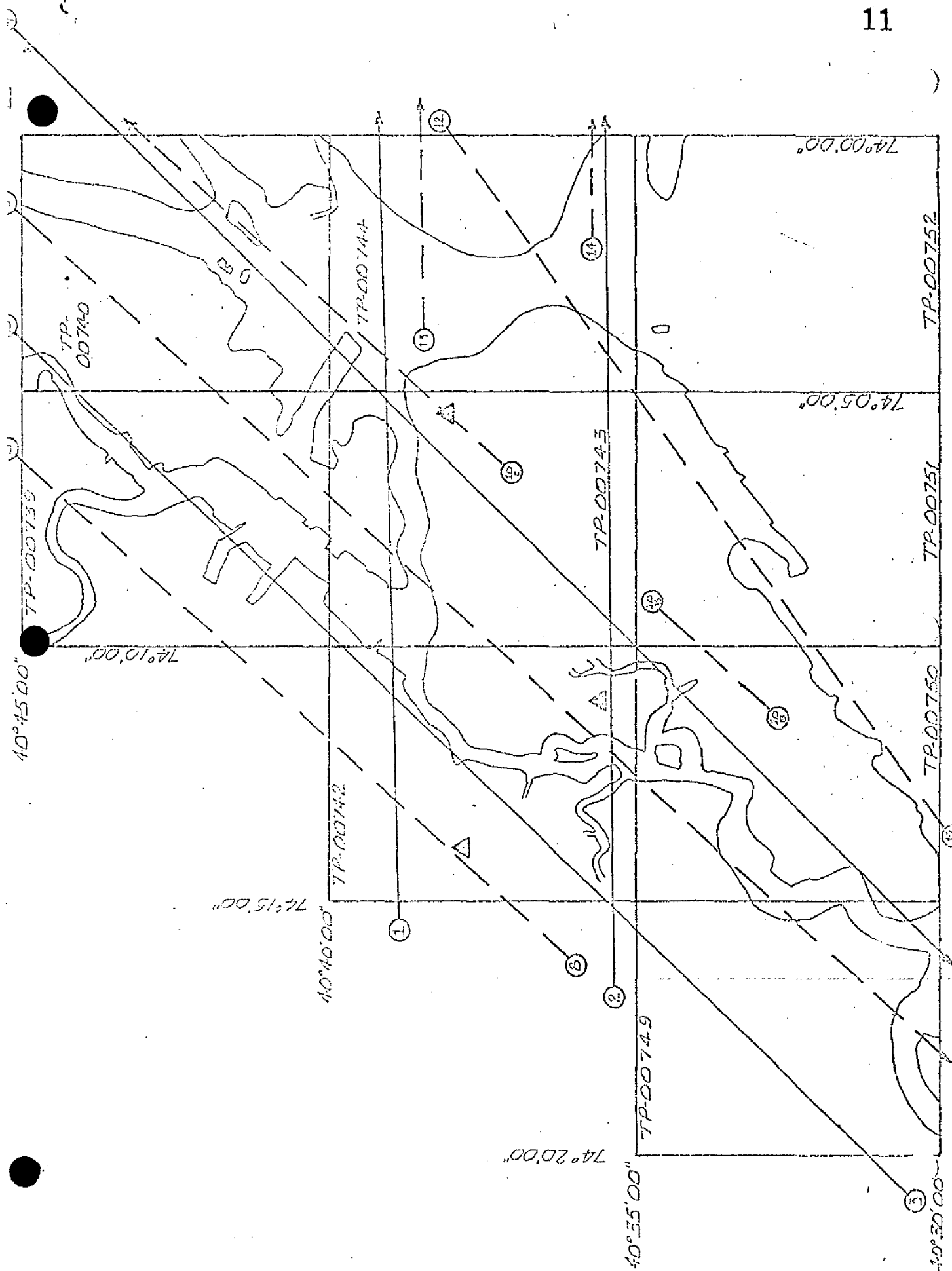
Respectfully submitted,

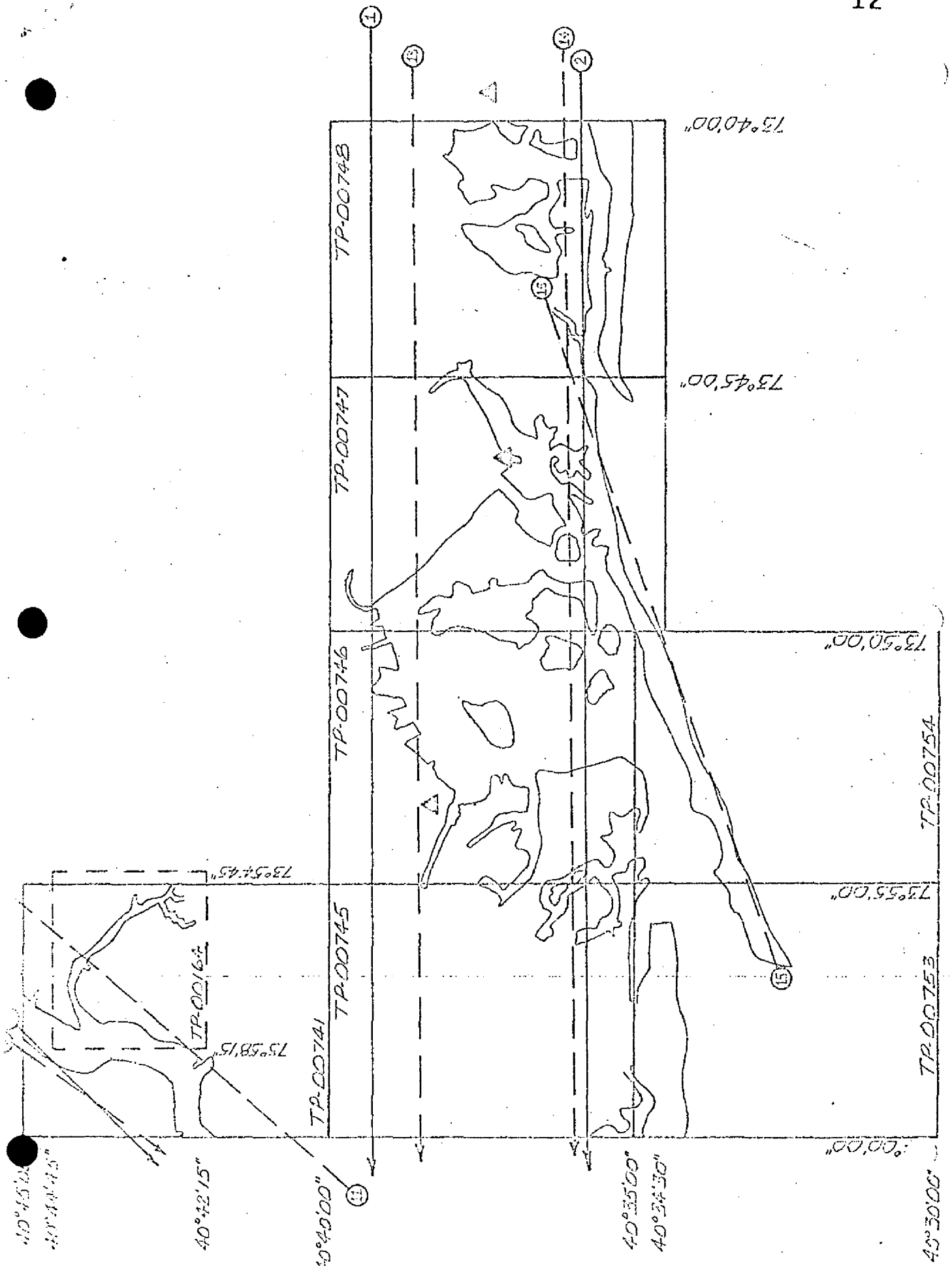
Ivor O. Raborn
Ivor O. Raborn

Approved and forwarded:

John D. Persow, Jr.
John D. Persow, 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.	GEODETIC DATUM	COORDINATES IN FEET	GEOGRAPHIC POSITION	REMARKS
TP-00739		CM-7301	N/A 1927	STATE ZONE	ϕ LATITUDE λ LONGITUDE	
South Kearny Public Service Elec. Po. Co. North Stack 1931	NJ Vol. I. G.P.-P. 556	894116	X= Y=	ϕ 40-44-13.421 λ 74-05-47.611		
South Kearny Public Service Electric Power Co. Middle Stack 1931	NJ Vol. I G.P.-P. 556	894110	X= Y=	ϕ 40-44-12.709 λ 74-05-48.498		
South Kearny Public Service Elec. Po. Co. South Stack 1931	NJ Vol. I G.P.-P. 556	894117	X= Y=	ϕ 40-44-11.998 λ 74-05-49.383		
Port Newark Sears Roebuck Co. Tank 1931	NJ Vol. I G.P.-P. 554	23	X= Y=	ϕ 40-41-37.228 λ 74-09-11.029		Not visible on photos. Appears destroyed. Not plotted
Port Newark Meyerhauser Timber Co. Tank 1931	NJ Vol. I G.P.-P. 554	24	X= Y=	ϕ 40-41-37.008 λ 74-08-52.776		
Newark Bay Kellogg Co. Tank 1931	NJ Vol. I G.P.-P. 553	27	X= Y=	ϕ 40-42-36.252 λ 74-06-17.223		Not visible on Photos. Not Plotted.
Bayonne Leolastic Works Everlasting Co. Tank 1931	NJ Vol. I G.P.-P. 660	28	X= Y=	ϕ 40-40-28.725 λ 74-07-15.790		
Port Newark, Terminal Mercur Co. East Tank, 1931		178	X= Y=	ϕ 40-42-01.110 λ 74-08-33.611		
Newark, Amer. Agriculture Chem. Co. Chimney, 1931	NJ Vol. I G.P.-P. 556	130	X= Y=	ϕ 40-44-25.057 λ 74-08-09.545		
Kearny Point, Western Elec. Co. North Twin Chimney 1931	NJ Vol. I G.P.-P. 554	134	X= Y=	ϕ 40-43-24.593 λ 74-07-08.085		
COMPUTED BY	N/A	DATE	COMPUTATION CHECKED BY	N/A	DATE	
LISTED BY	G. Fromm	DATE 11/75	LISTING CHECKED BY	G. Ball	DATE 11/7/75	
HAND PLOTTING BY	N/A	DATE	HAND PLOTTING CHECKED BY	N/A	DATE	

NOAA FORM 76-41
(6-75)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODEIC DATUM		ORIGINATING ACTIVITY		REMARKS	
TP-00739		CM-7301		N/A 1927		Coastal Mapping Division Rockville, Maryland			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE					
Hackensack River Beacon #3 1931	NJ Vol. I G.P.-P.553	135	X= Y=	ϕ 40-42-58.160 λ 74-06-32.965					
Hackensack River Beacon No. 1 1931	NJ Vol. I G.P.-P.553	136	X= Y=	ϕ 40-42-43.267 λ 74-06-57.532					
Jersey City German Luthern Church Spire 1913	NJ Vol. I G.P.-P.661	139	X= Y=	ϕ 40-42-06.324 λ 74-05-35.231					
St. Paul's Spire 1913	NJ Vol. I G.P.-P.458	140	X= Y=	ϕ 40-41-47.060 λ 74-05-37.900					
Greenville Penn. R.R. Grain Elevator, Tower 1930	NJ Vol. I G.P.-P.523	141	X= Y=	ϕ 40-40-42.906 λ 74-05-02.623	Not visible on photos. Appears de- stroyed. Not Plotted.				
Bayonne, St. Vincents Church Spire, 1930	NJ Vol. I G.P.-P.523	142	X= Y=	ϕ 40-40-54.966 λ 74-06-26.714					
Bayonne, First Reformed Church, Spire 1887	NJ Vol. I G.P.-P.523	143	X= Y=	ϕ 40-40-24.330 λ 74-06-51.040					
Newark Meadow Ball Blueing Co. Tallest Chimney 1913	NJ Vol. I G.P.-P.553		X= Y=	ϕ 40-43-05.132 λ 74-08-38.361	Not visible on photos. Appears de- stroyed. Not plotted.				
Port Newark, Sears-Roebuck and Co. Chimney 1931	NJ Vol. I G.P.-P. 554		X= Y=	ϕ 40-41-37.862 λ 74-09-13.294					
Kearny Point WTRN.Elec. Co. South Twin Chy. 1931	NJ Vol. I G.P.-P.554		X= Y=	ϕ 40-43-24.147 λ 74-07-08.321					
COMPUTED BY N/A		DATE	COMPUTATION CHECKED BY N/A	DATE					
LISTED BY G. FROMM		DATE 11/7/75	LISTING CHECKED BY G. Ball	DATE 11/7/75					
HAND PLOTTING BY N/A		DATE	HAND PLOTTING CHECKED BY N/A	DATE					

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY Coastal Mapping Division Rockville, Maryland	REMARKS
					N/A 1927			φ LATITUDE	λ LONGITUDE		
TP-00739	Ladew Chimney 1913	CM-7301	NJ Vol. I G.P.-P.662		X=		φ 40-44-03.653				
					Y=		λ 74-07-12.414				
	Newark, St. James Catholic Church, Spire 1913		NJ Vol. I G.P.-P.555	131	X=		φ 40-43-43.049				
					Y=		λ 74-09-45.685				
					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				
					X=		φ				
					Y=		λ				
COMPUTED BY	N/A				COMPUTATION CHECKED BY		N/A			DATE	
LISTED BY	G. Fromm				LISTING CHECKED BY		G. Ball			DATE	11/7/75
HAND PLOTTING BY	N/A				HAND PLOTTING CHECKED BY		N/A			DATE	

TP-00739
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.

There is no infrared photo coverage west of longitude 74°07'20" on the Passaic River.

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. The shoreline west of longitude 74°05'30" and north of lat. 40°44'30" was compiled graphically from black-and-white ratioed prints of the color photography. An evident change in the eastern shoreline of Newark Bay near the Bay Bridge was noted on the 1975 infrared photography. Graphic compilation by office interpretation of the IR photography was used to update the MHW line in the area.

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

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:

Elizabeth, N.J.-N.Y., scale 1:24,000, 1967 Edition.

Jersey City, N.J.-N.Y., scale 1:24,000, 1967 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.

541, scale 1:10,000, 47th Edition, dated Apr. 13, 1974.

285, scale 1:15,000, 20th Edition, dated Sept. 29, 1973.

287, scale 1:20,000, 17th Edition, dated June 3, 1972.

Items to be applied to nautical charts immediately - None.

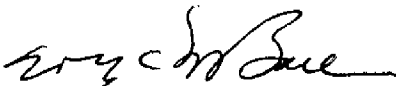
Items to be carried forward - None.

Submitted by:



G. Vanderhaven

Approved and Forwarded:



George M. Ball

Chief, Special Projects Section

COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00739

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. Fromm
14 Oct 76Supervisor Roy M. Bea



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-00739

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.

Submitted by:

Edward L. Rolfe
Edward L. Rolfe

Approved and Forwarded:

John D. Perrow Jr.
Chief, Photogrammetric Branch

John L. Allen
Chief, Coastal Mapping Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00739

Bayonne

Central RR of N.J.

Droyers Point

Erie Lackawanna (RR)

Hackensack River

Harrison

Jersey City

Kearny

Kearny Point

Lehigh Valley (RR)

Newark

Newark Bay

Passaic River

Penn Central (RR)

Port Elizabeth

Port Newark

Port Newark Channel

Approved by:


Charles E. Harrington, C54x2
Staff Geographer

* SVY	TP-00739	* RPT UNIT	CMD	ROCKVILLE, MD.	* PAGE	1 OF 6	*
* JOB	CM-7301	* NONFLOATING AIDS FOR CHARTS	* STATE	NEW YORK	* NEW JERSEY		*
* PRJ	N Y HARBOR	* TO BE REVISED	* LOCALITY	NEWARK BAY	* ORIGINATING ACTIVITY		*
* DTM	NA 1927	* DATE	09/08/77		* COMPILATION		*
* 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	FIELD	AFFECTED
* NAME	PUT TRIANGULATION NAMES IN ()	LONGITUDE	DP	DGTZD	OFFICE		
* NEW YORK HARBOR-UPPER BAY * * * * *							
* CLAREMONT TERMINAL CHANNEL * * * * *							
* -RGE	PRIVATE AID	00 00 00.00	0.0	NOT UNVERIFIED			541
* R LT		00 00 00.00	0.0	DGTZD			12327
							12328
* NEW YORK HARBOR-NEWARK BAY * * * * *							
* NEWARK BAY * * * * *							
* LIGHT	NEWARK BAY LIGHT 15	40 40 35.46	1093.8	NOT 74EC7088			285
* 15		74 08 05.29	124.2	DGTZD 10/19/74			12327
							12328
* NEW YORK HARBOR-KILL VAN KULL * * * * *							
* NEWARK BAY * * * * *							
* -LIGHT		40 41 10.64	328.2	NOT 74EC7087			285
* 19		74 07 47.30	1110.7	DGTZD 10/19/74			12327
							12328
* -LIGHT		40 41 35.24	1087.0	NOT 74EC7087			287
* 22		74 07 20.61	483.9	DGTZD 10/19/74			2327
							2328
* LIGHT	NEWARK BAY LIGHT	40 42 27.47	847.3	NOT 74EC7087			287
* *		74 07 09.74	228.6	DGTZD 10/19/74			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			
NOT DIGITIZED			
G. FROMM			
* * * * *			
FIELD REPRESENTATIVE			
OFFICE COMPILER			
DIGITIZER			
DATA PROCESSER			
* * * * *			

* SVY	TP-00739	*	* RPT UNIT	CMD ROCKVILLE, MD.	*	* PAGE	3 OF 6	*
* JOB	CM-7301	*	* STATE	NEW YORK NEW JERSEY	*			*
* PRJ	NY HARBOR	*	* LOCALITY	NEWARK BAY	*	* ORIGINATING	ACTIVITY	*
* DTM	NA 1927	*	* DATE	09/08/77	*	* 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	*	* OF LOCATION		*
			* LONGITUDE	DP	*	* OFFICE	* FIELD	* CHARTS
								* AFFECTED
* TANK		*	* 40 40 04.95	152.7	NOT	* 74EC7087	*	* 285
		*	* 74 05 05.12	120.3	DGIZD	* 10/19/74	*	* 12327
* RADIO		*	* 40 41 06.24	192.5	NOT	* 74EC7087	*	* 12328
* TOWER		*	* 74 05 44.14	1036.5	DGIZD	* 10/19/74	*	* 285
								* 12327
* TANK		*	* 40 43 08.08	249.2	NOT	* 74EC7147	*	* 12328
		*	* 74 07 25.92	608.4	DGIZD	* 10/19/74	*	* 287
								* 12327
* STACK		*	* 40 44 14.79	456.2	NOT	* 74EC7147	*	* 12328
		*	* 74 05 45.72	1072.8	DGIZD	* 10/19/74	*	* 287
								* 12327
* STACK		*	* 40 44 14.16	436.8	NOT	* 74EC7147	*	* 12328
		*	* 74 05 46.56	1092.5	DGIZD	* 10/19/74	*	* 287
								* 12327
* STACK		*	* 40 44 44.14	1361.6	NOT	* 74EC7147	*	* 12328
		*	* 74 08 41.68	977.9	DGIZD	* 10/19/74	*	* 287
								* 12327
* STACK		*	* 40 44 47.97	1479.7	NOT	* 74EC7147	*	* 12328
		*	* 74 08 13.86	325.2	DGIZD	* 10/19/74	*	* 287
								* 12327
* STACK		*	* 40 44 13.38	412.7	NOT	* 74EC7147	*	* 12328
		*	* 74 09 52.82	1239.4	DGIZD	* 10/19/74	*	* 287
								* 12327
* SPIRE	(BAYONNE ST VINCENTS CHURCH	*	* 40 40 54.97	1695.6	NOT	* 74EC7087	*	* 12328
	SPIRE 1930)	*	* 74 06 26.71	627.2	DGIZD	* 10/19/74	*	* 285
								* 12327
* SLIM	(BAYONNE FIRST REFORMED CHURCH	*	* 40 40 24.33	750.5	NOT	* 74EC7087	*	* 12328
	SPIRE 1930)	*	* 74 06 51.04	1198.8	DGIZD	* 10/19/74	*	* 285
								* 12327
								* 12328

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

* SVY TP-00739 * LANDMARKS FOR CHARTS * RPT UNIT CMD ROCKVILLE, MD. * PAGE 5 OF 6 *
* JOB CM-7301 * TO BE REVISED * STATE NEW YORK NEW JERSEY *
* PRJ NY HARBOR * * LOCALITY NEWARK BAY * ORIGINATING ACTIVITY *
* DTM NA 1927 * * DATE 09/08/77 * 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* OF LOCATION * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN () * LONGITUDE DP DGTZD* OFFICE * FIELD * AFFECTED *

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

* TOWER * CLOCKTOWER * 40 43 57.00 1758.2 NOT * * 287 *
* * * 74 08 43.00 1009.0 DGTZD* * 12327 *
* * * * * 12328 *

* CHARTED LDMK(S) NOT VISIBLE ON COMPILATION PHOTOS AND APPEAR * *
* DESTROYED. APPROX. POSITION(S) SCALED FROM EXISTING CHART. * *

* TANK * * 40 41 52.00 1604.0 NOT * * 287 *
* * * 74 08 07.00 164.3 DGTZD* * 12327 *
* * * * * 12328 *

* CHY * * 40 42 44.00 1357.2 NOT * * 287 *
* * * 74 08 10.00 234.7 DGTZD* * 12327 *
* * * * * 12328 *

* CHY * * 40 44 55.00 1696.6 NOT * * 287 *
* * * 74 05 59.00 1384.1 DGTZD* * 12327 *
* * * * * 12328 *

* STACK * * 40 44 39.00 1203.0 NOT * * 287 *
* * * 74 05 59.00 1384.2 DGTZD* * 12327 *
* * * * * 12328 *

* TANK * * 40 44 45.00 1388.1 NOT * * 287 *
* * * 74 05 08.00 187.7 DGTZD* * 12327 *
* * * * * 12328 *

* * * * * 28

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

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

TP-00739

National Archives Data

None

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

[illegible]