

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

DESCRIPTIVE REPORT

Type of Survey Chart Comp.	ilation
Job No. CM-7301	
Classification No. III	Edition No1
LOCALIT	Υ
State New York	
General Locality Manhattan	
Locality	
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1974 TO	19 75
REGISTRY IN A	RCHIVES
DATE	

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. TYPE OF SURVEY SURVE	y тр. 00741
1 xmm	DITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD RESURVEY MAP C	LASS III
	CM= 7301
PHOTOGRAMMETRIC OFFICE	
Coastal Mapping Division (Rockville) LAST PRECEEDING MAP TYPE OF SURVEY JOB	PH-
ORIGINAL MAP C	LASS —
OFFICER-IN-CHARGE SURVEY SURVE	Y DATES:
Cdr. James Collins	0 19
I. INSTRUCTIONS DATED	
1. OFFICE 2. FIELD	
Instructions-AEROTRIANGULATION-3/27/75 Instructions-FIELD-1/23	/74
Instructions-FIELD-Adme	
Instructions-OFFICE - 8/7/75 Instructions-FIELD-Supp	
Instructions-FIELD-Supp	lement~II•
Tooksook's as DITTED Associ	10/6/75
Instructions-FIELD-Amend	ment 1-2/2///4
11. DATUMS	
OTHER (Specify)	
I. HORIZONTAL: XX 1927 NORTH AMERICAN	
OTHER (Specify)	
2. VERTICAL: XX MEAN LOW-WATER National Geodetic Vertical	cal Datum
☐ MEAN LOWER LOW-WATER OF 1929 ☐ MEAN SEA LEVEL	
3. MAP PROJECTION 4. GRID(S)	
STATE ZONE	
Transverse Mercator New York Eas	
5. SCALE ZONE 1:10,000	
III. HISTORY OF OFFICE OPERATIONS	
OPERATIONS NAME	DATE
1. AEROTRIANGULATION BY I. Raborn	9/75
METHOD: Analytic Landmarks and aids by N/A	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat PLOTTED BY S. Solbeck CHECKED BY N/A	9/75
P. Downiou	7/76
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY B. DORMIER COMPILATION CHECKED BY G. Fromm	7/76
INSTRUMENT: B-8 CONTOURS BY N/A	- // -
SCALE: 145,000 CHECKED BY N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY B. Dormier	8/9/76
CHECKED BY G. Fromm	8/17/76
METHOD: Smooth Drafting	
CHECKED BY N/A 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
4 APRILICATION OF SIELD EDIT DATA	
W 01 - 1901 101 01 1 15 D D 11 D 1 1 D 1 1	
CHECKED BY N/A	3 - 2- 2
7. COMPILATION SECTION REVIEW BY G. Fromm	10/14/76
7. COMPILATION SECTION REVIEW 8. FINAL REVIEW BY FINAL REVIEW	10/14/76 Jan. 1978
7. COMPILATION SECTION REVIEW BY G. Fromm	

			119/74 1146-1148 1:30,000 * +0.6 Ft. MHW Refer to following page for tide information.				
NOAA FORM 76~36B (3-72)	TP-00741 TP-00740 TMATIONAL OCEANICAND AND APPLIED AND	ADMINISTRATION					
TP-00741 TYPES OF PHOTOGRAPHY FOCAL Lengths 152.7mm TOBALTOR FERENCE TOBALTO							
1. COMPILATION PHO	TOGRAPHY	· <u>···</u>					
L -	TP-00741 TOMPILATION SOURCES OMPILATION PHOTOGRAPHY FRAGE RC-3(E) RC-10(8) COAD LENGTHS 152.7mm TYPES OF PHOTOGRAPHY LEGEND TIME REFERENCE REDICTED TIMES RESIDENT TOWN REFERENCE TO THE TIME TO THE TIME TO THE TOWN REFERENCE TO THE TIME TO THE TIME TO THE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN REFERENCE TOWN TOWN						
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/ 3B(1 / 3964K - 59	10/K	110/3/75	1152-1156	1:30,000			
					101	cide init	Jima Cion.
	TP-00741 COMPILATION SOURCES IPHOTOGRAPHY B(E) RC-10(8)						
The source of the mean high water line is the photography listed above in Item 1. 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 low water line is the photography listed above in Item 1. Refer to paragraph 35 in the Compilation Report bound with this Descriptive Report. 3. SOURCE OF MEAN LOW-WATER OR WEAR 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 above in Item 1. 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) 5. FINAL JUNCTIONS NOT THE SOURCE OF MEAN LOW-WATER COMPANY TO THE SOURCE OF WEAR HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) 5. FINAL JUNCTIONS NOT THE SOURCE OF MEAN LOW-WATER COMPANY TO THE SOURCE OF Photogrammetric survey information.) 5. FINAL JUNCTIONS NOT THE SOURCE OF PHOTOGRAPHY TO THE SOURCE SURVEYS (List only those surveys that are sources for photogrammetric survey information.) 7. FINAL JUNCTIONS NOT THE SOURCE OF PHOTOGRAPHY TO THE SOURCE SOURCE SURVEY COPY USED 8. FINAL JUNCTIONS NOT THE SOURCE OF THE SOURCE SURVEYS (List only those surveys that are sources for photogrammetric survey information.) 8. FINAL JUNCTIONS NOT THE SOURCE OF THE SOURCE SURVEYS (List only those surveys that are sources for photogrammetric survey information.) 9. FINAL JUNCTIONS 1. The Source OF The Source Source Sources for photogrammetric survey information.) 9. FINAL JUNCTIONS 1. The Source OF The Source Sourc							
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Refer to parag	raph 35 ir	igh water in the Compil	ation Report	motograpny : bound wit	h this [above ii Descrinti	ive Renort
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4. CONTEMPORARY	HYDROGRAPHIC	C SURVEYS (List	only those surveys	hat are sources t	or photogram	metric survey	information.)
SURVEY NUMBER	DATE(S)	SURVEY CO	PY USED SURV	EY NUMBER	DATE(S)	SURV	EY COPY USED
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5. FINAL HINCTIONS				· ·· · .	<u> </u>		
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job number CM-7	7301.					-	
							

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

TIDE - COORDINATED PHOTOGRAPHY

TP – 00741

	TP = 00741		
LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE in feet	MEAN RANGE in teet
	BATTERY (Reference Station)		4.5
75B5964R-5967R (East River)	East 41st Street (Sub.Sta.)	↓. 21 MLW	4.3
75B5964R-5967R (East River)	Brooklyn Bridge (Sub.Sta.)	56 MLW	4.3
	NOTE: Reference station ONLY was observed at time of photograph	hy.	

REMARKS:

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

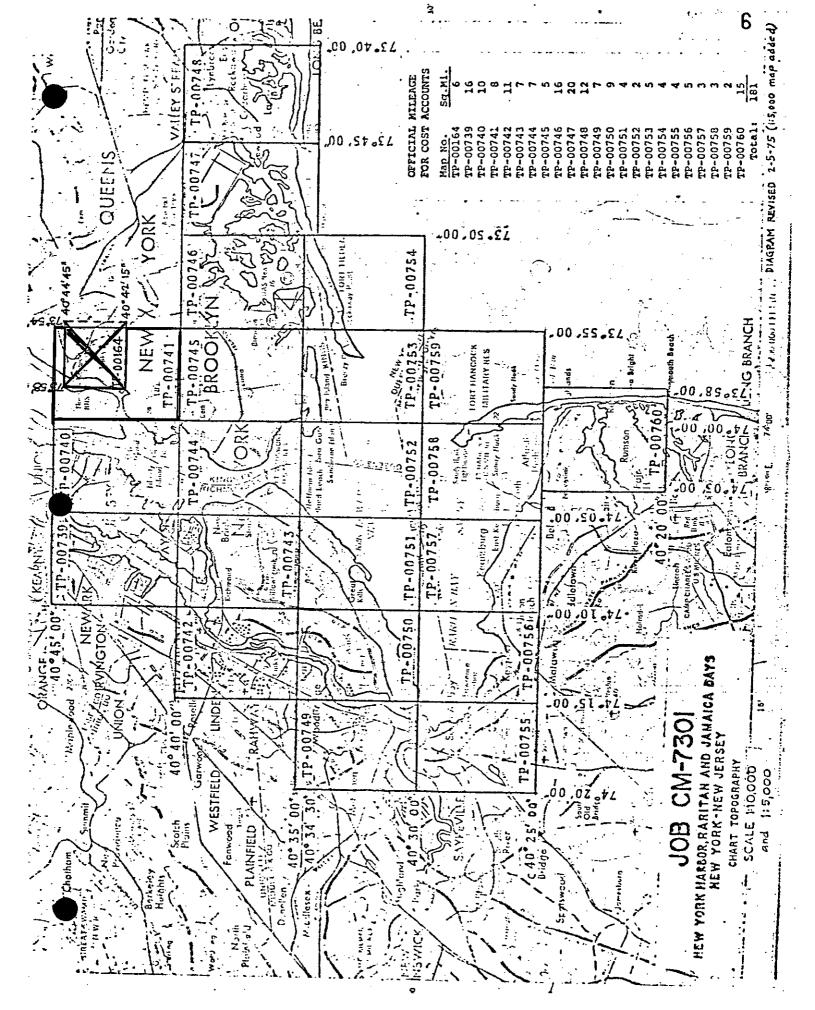
NOAA FORM 76-36D (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00741

RECORD OF SURVEY USE

18-00	<u> </u>					
I. MANUSC	RIPT COPIES					- "
	Co	MPILATION STAGE	ES .		DATE MANUSCRI	PT FORWARDED
	DATA COMPILED	DATE	RE	MARKS	MARINE CHARTS	HYDRO SUPPORT
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	lation Complete	30/34/96	Class III	_		
penali	ng field edit	10/14/76	field edit	t postpon	ed 10/19/76	
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II. LANDM	ARKS AND AIDS TO NAVIGA	TION				
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4 🔲	DATA TO FEDERAL RECO	ROS CENTER. DAT	TE FORWARDED:			- }
IV. SURVE	Y EDITIONS (This section s	shall be completed e	ach time a new ma	p edition is reg	ristered)	
-	SURVEY NUMBER	JOB NUMBE			TYPE OF SURVEY	
SECOND	TP	_ (2) PH		ĺ	REVISED RES	SURVEY
EDITION	DATE OF PHOTOGRAP!	HY DATE OF F	IELD EDIT		MAP CLASS	_
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T11100	SURVEY NUMBER	JOB NUMBE	.R	}	TYPE OF SURVEY	
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	SURVEY NUMBER	JOB NUMBE	R	<u> </u>	TYPE OF SURVEY	FINAL
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TP-00741	HISTORY OF FIELD	OPERATIONS	NATIONAL	. OCEAN SUF
TIELDANSPECTONOPE	RATION FIEL	D EDIT OPERATION		
0	PERATION	NAME		DATE
CHIEF OF FIELD PARTY		R.S. Tibbetts		9/74
. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	R.S. Tibbetts N/A R.S. Tibbetts		9/9/74
VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N/A N/A N/A		
LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	N/A N/A N/A		
, GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION COMPLETE SPECIFIC NAMES ONLY NO INVESTIGATION	N/A		
PHOTO INSPECTION BOUNDARIES AND LIMITS	CLARIFICATION OF DETAILS BY SURVEYED OR IDENTIFIED BY	N/A N/A		
. SOURCE DATA HORIZONTAL CONTROL ID Premarked control	ENTIFIED	2. VERTICAL CONTRO	L IDENTIFIED	
74-C(C)886 Club 19	STATION NAME	PHOTO NUMBER	STATION DESIG	NATION
PHOTO NUMBERS (Claritics LANDMARKS AND AIDS TO				
HOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NA	ME
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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 proceedures.

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.

New York Harbor, Raritan and Jamaica Bays, New York-New Jersey CH-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-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.

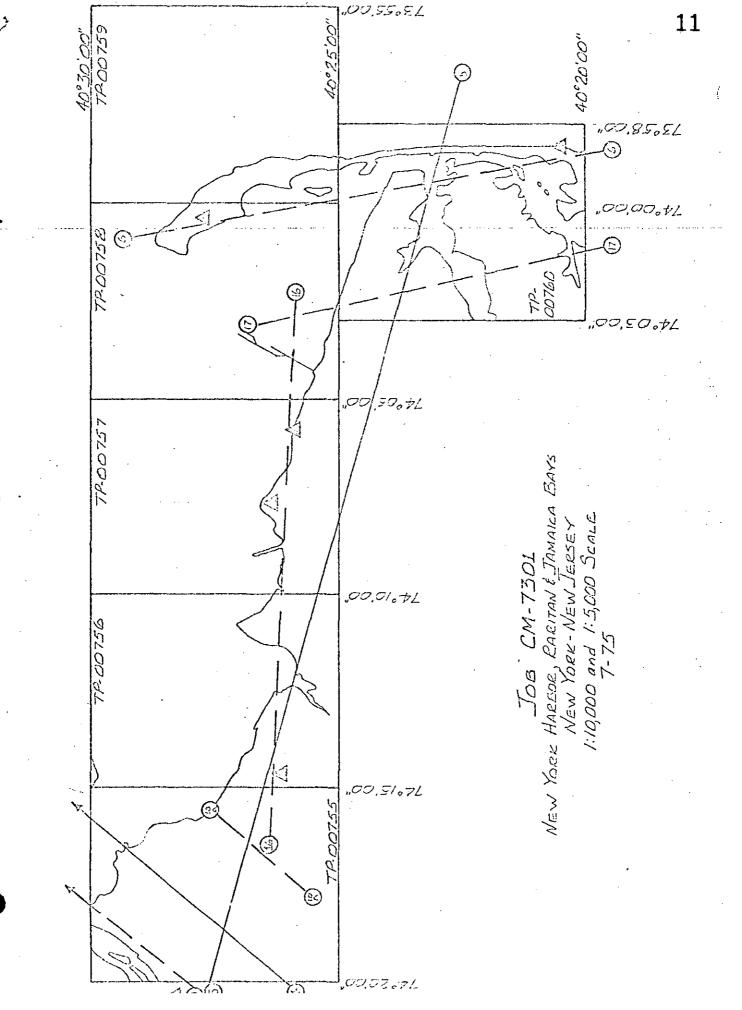
25. Photography

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, June O Raham Ives O. Raborn

Approved and forwarded Common D. Person, Jr.

Chief, Aerotriangulation Section



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Strip No.	Scale	Photo Nos.
J.	60,000	740(0)864-874 851-861
2 3 4 5 6	67 11	740(0)392-902 877-887
5	tt ·	1202-1207
	30,000	74E(0)6963-6970
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9	30,000	7083-7099
10A	T1	7125-7127
103	\$1	7131-7133
1.0C	17	7135-7143
11	**	7076-7032
12	1t 11 '	7186-7196
13	51	7056-7069
7.4	11	7040-7052
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17	•••	7197-7202

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NOAA FORM 76-41 (6-75)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	DEPARTMENT OF COMMERCE MOSPHERIC ADMINISTRATION
		DESCRIPTIVE	'E REPORT CONTROL RECORD		
MAP NO.	ON BOL		GEODETIC DATUM	Coastal Mapping	nd Division
TP-00741	CM-7301		N/A 1927	11e,	
	30 30 30 3	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
STATION NAME	INFORMATION	ANGULATION POINT	STATE	φ LATITUDE	REMARKS
	(Index)	NUMBER	ZONE	λ LONGITUDE	
Brooklyn Edison Co.	NY VOL II		χ=	\$40-45-18.631	
East Stack 1932	G.PP.114	885111	=ħ	λ73-58-48.359	
Brooklyn Edison Co.	NY Vol.II		χ=	φ40-42-18.714	
West Stack 1932	G.PP.115		=h	λ73-58-51.860	
Empire State Bldg.	NY VOL. II		-X	440-44-53.984	
1932	G.PP.14	886114	ή=	λ73-59-09.842	
ıttaı	NY Vol.II		χ=	φ40-44-28,191	
Ins. Co. Bldg. Cupola 1932	G.PP.149	58	y=	λ73-59-15.999	
Blackwells Island			-χ	φ40-44-46.895	
Reef Beacon 1932	G.PP.148	59	ħ=	λ73-57-53.623	
	NY Vol. II		=χ	\$40-43-39.016	
& Elec. Co. N. Twin Stack 1932	G.PP.149	5.7	=ħ	λ73-58-24.177	
tan Edison G			-χ	φ40-43-38.421	
Elec. Co. S. IWIN Stack 1932	G.PP.147		- β -	λ73-58-22.772	
Brooklyn Nat'1. City Bank	NY Vol. II		=χ	φ40-41-36.612	
Bldg. Flagpole 1932	G.PP.114	52	±ĥ	λ73-59-28.620	
Brooklyn Amer T&T	NY VOL. II		-χ	\$40-41-32.831	
Bldg. Flagpole 1932	G.PP.114	53	=ħ	λ73-59-07.332	
Williamsbu	NY VOL. II		χ=	\$40-41-07.414	
Savings Bank Bldg. Tower 1930	G.PP.114	11	ye	λ73-58-41.360	
COMPUTED BY N/A		DATE	COMPUTATION CHECKED BY N,	N/A	DATE
LISTED BY G. Vanderhaven		11/7/75	LISTING CHECKED BY G. Fromm		DATE 11/7/75
HAND PLOTTING BY N/A		DATE	HAND PLOTTING CHECKED BY	A/N	DATE
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1 of 2

2 of 2

NOAA FORM /8-4 (6-75)				U.S. DEPARAMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	DEFRENCE OF COMMERCE MOSPHERIC ADMINISTRATION
			TO TOOK TOOK I		
	4	DESCRIPTIV	PIIVE REPORT CONTROL RECORD		
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY Coastal Mapping Division	ing Division
T.ħ / OO – J.T.	CM-/30T		N/A 192/	—-	aryland
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	0 0 0
HE CZ SOCO	INFORMATION (Index)	POINT	ZONE	A LONGITUDE	
Brooklyn Technical	NY VOL. II		χ=	\$ 40-41-21.532	
high school radio lower	G.PP.197		=h	λ 73-58-37.173	
Brooklyn Green	NY VOL. II		<i>-</i> χ	φ 40-41-55.382	Not plotted
Range Light 1933	G.PP.246		=ĥ	λ 73-59-51.298	
Long Island City	NY VOl. II		χ=	φ 40-44-48.302	
	G.PP.147		ĥ:	λ 73-56-39.306	
Brooklyn St. Marks	NY VOL. II		χ=	\$ 40-41-52.597	Not plotted
Evangelical Lutheran Church Spire 1932	G.PP.115	12	η 1	λ 73-56-03.749	
Blissville St. Raephels	NY Vol. II		-χ	\$ 40-44-13.741	Not plotted
Cath. Church Spire 1932	G.PP.147		y=	λ 73-55-49.096	
			<i>=</i> %	φ	
			=ħ	γ	: :
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			y=	γ	
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COMPUTED BY N/A		DATE	COMPUTATION CHECKED BY	N/A	DATE
LISTED BY G. Vanderhaven		PA)\$/75	1	Fromm	DATE 11/7/75
HAND PLOTTING BY N/A		DATE	HAND PLOTTING CHECKED BY		DATE

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 on the eastern shoreline of the East River above the Manhattan Bridge.

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.

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 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.

* Refer to REVIEW REPORT, item 67.

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 quadrangle :

Brooklyn, 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: 12335 (formerly 745), scale 1:10,000, 22nd Edition, dated July 13, 1974. 12327 (formerly 369), Scale 1:40,000, 64th Edition, dated July 13, 1974. 12328 (formerly 369-SC), Scale 1:40,000, 12th Edition, dated Feburary 1, 1975. 541, Scale 1:10,000, 47th Edition, dated April 13, 1974.

Items to be applied to Nautical Charts immediately - None.

Items to be carried forward - None.

B. Dormier

Submitted by:

Approved and Forwarded:

chief, special Projects Section

COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 0074/

1. Shoreline and Alongshore Features 2. Projections
3. Crids4. Title Block5. 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 Grown Supervisor Many Bace
14 Oct 76

National Oceanic and Atmospheric Administration Rockville, Md. 20852

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-00741

Chart Compilation January 1978

61. <u>General Statement</u>

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. <u>Comparison with Nautical Charts</u>

Refer to item 46 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 ot item 35 in the Compilation Report bound with this Descriptive Report.

The approximate mean low water line was not compiled along the eastern shoreline of the East River north of the Manhattan Bridge, for lack of sufficient tide coordinated photography.

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-00741

Belmont Island

Brooklyn

Brooklyn Heights

Chinatown

Corleans Hook

East River

Fort Greene

Long Island City

Manhattan

Navy Yard Basin

Park Slope

Queens

South Brooklyn

Wallabout Bay

Wallabout Channel

Welfare Island

Approved by:

Charles E. Harrington, Staff Geographer

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76-40 LISTING

PHOTOGRAMMETRIC BRANCH COASTAL MAPPING DIVISION

TIONAL OCEAN SURVEY NOAA DEPARTMENT OF COMMERCE USA

ERSION 770818

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TP-00741

National Archives Data

1 C&GS Form 152 (Control Station Identification)

Photography: 74-C(C)886 and 74-E(C) 6862