

TP-00760

ORIGINAL

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TP-00760

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-00760

Classification No. III Edition No. 1

LOCALITY

State New Jersey

General Locality .. Shrewsbury River

Locality .. Highlands to Seabright

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

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

12324
12326

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00760	
DESCRIPTIVE REPORT - DATA RECORD				☒ ORIGINAL		MAP EDITION NO. (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				OTHER (Specify)			
☒ MEAN LOW-WATER				National Geodetic Vertical			
☐ MEAN LOWER LOW-WATER				Datum of 1929			
☐ MEAN SEA LEVEL							
3. MAP PROJECTION				4. GRID(S)			
Transverse Mercator				STATE		ZONE	
				New York		East	
5. SCALE				STATE		ZONE	
1:10,000							
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. Fromm		9/29/75	
COMPILATION CHECKED BY				J. Schad		9/29/75	
INSTRUMENT: Wild B-8				CONTOURS BY		N/A	
SCALE: 1:15,000				CHECKED BY		N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				G. Fromm		10/8/75	
CHECKED BY				J. Schad		11/20/75	
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	
CHECKED 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				R.T. Cater		May 1978	

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

TP-00760

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8(E) RC-10(B) 152.7mm focal lengths		TYPES OF PHOTOGRAPHY LEGEND (C) <u>COLOR</u> (P) PANCHROMATIC (I) <u>INFRARED</u> B&W		TIME REFERENCE	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	☒ STANDARD ☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C)6966-6970	10/17/74	1427-1430	1:30,000	*-3.83 Ft MHW(outercoast) *-.87 Ft MHW(interior water)	
74E(C)7197-7201	10/19/74	1335-1337	1:30,000	*-2.10 Ft MHW(bay) *+.08 Ft MHW(interior water)	
75B(I)6960R-6964R	11/1/75	1121-1125	1:30,000	Refer to the following page for tide information	
75B(I)6984R-6986R	11/1/75	1148-1152	1:30,000		

REMARKS * Computation from Predicted Tide Tables.

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

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean-high water is the ~~natural color~~ photography listed under item 1.

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

The source of the mean low-water line is 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 TP-00758 TP-00759	EAST No	SOUTH Contemporary	WEST Surveys
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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 - 00760

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
		in feet	in feet
	SANDY HOOK (Reference Station)		4.6
75B6960R-6964R (Atlantic Ocean)	Seabright (outercoast) (Sub. Sta.)	-0.18 MLW	4.4
75B6960R-6964R (Shrewsbury River)	Seabright (Sub. Sta.)	+0.92 MLW	1.7
75B6984R-6986R (Shrewsbury River)	Atlantic Highlands (Sub. Sta.)	-0.20 MLW	4.7
NOTE: Reference Station(s) ONLY were observed at time of the photography.			

REMARKS:

Some water penetration exists on the infrared photography. Refer to paragraph 35 of the compilation report bound with this ~~form~~ Descriptive Report.

TP-00760

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	8/23/74
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts	8/23/74
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 BY	
	☐ 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

Premarked Control

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74B(C)1203	Eleven 2, 1962		

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

IC&GS form 152 (Control Station Identification)

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

TP-00760

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
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: _____

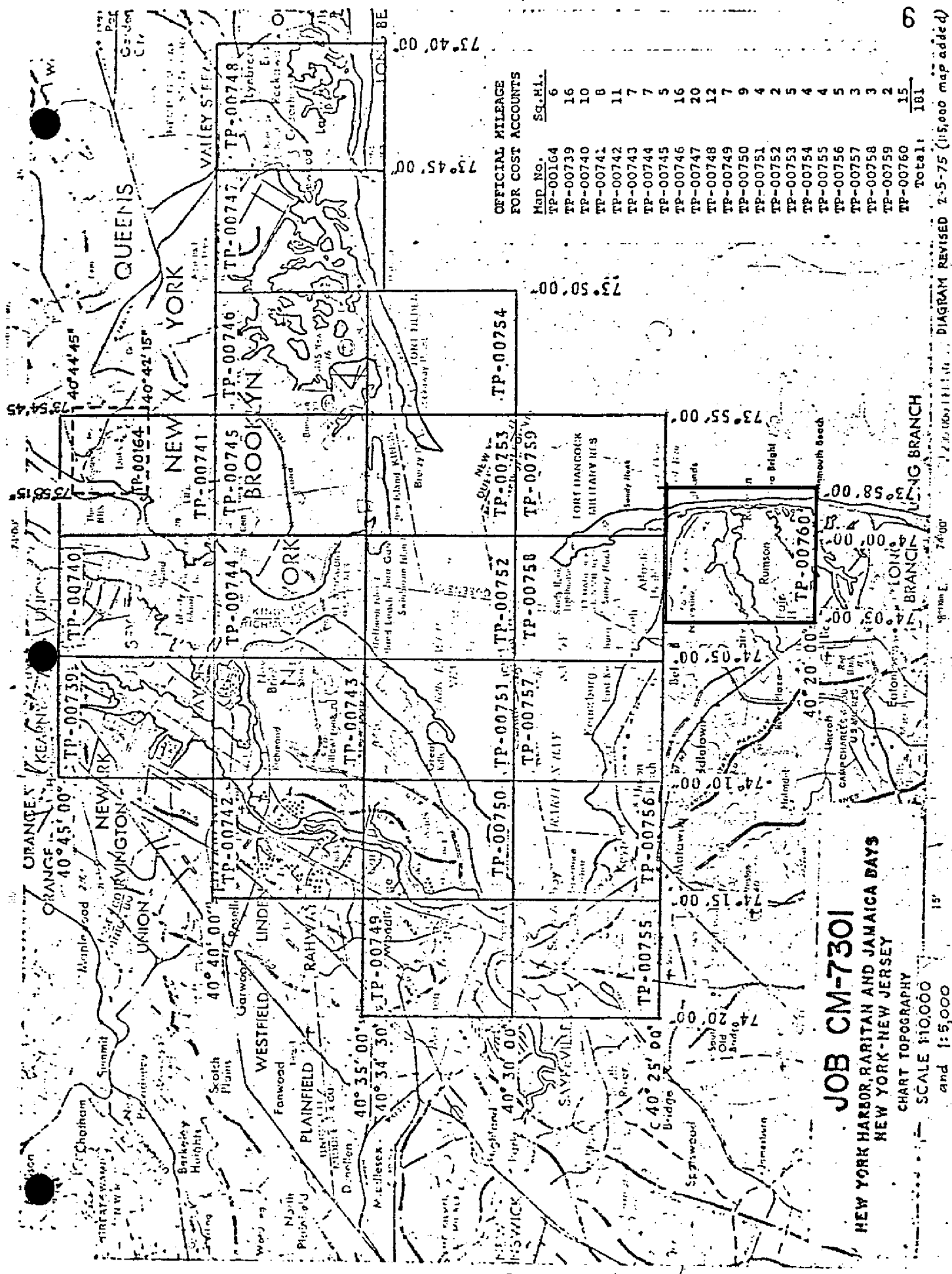
III. FEDERAL RECORDS CENTER DATA

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

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

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

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

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

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

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

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

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

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

All map line work is smooth compilation drafting.

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

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

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

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

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

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

FIELD INSPECTION

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

21. Area Covered

The area covered by this report pertains to the shorelines of New York Harbor, Raritan and Jamaica Bays, New York-New Jersey. This area is covered by twenty-two 1:10,000 scale sheets, TP-00735 thru TP-00760 and one 1:5,000 sheet, TP-00164. The 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,

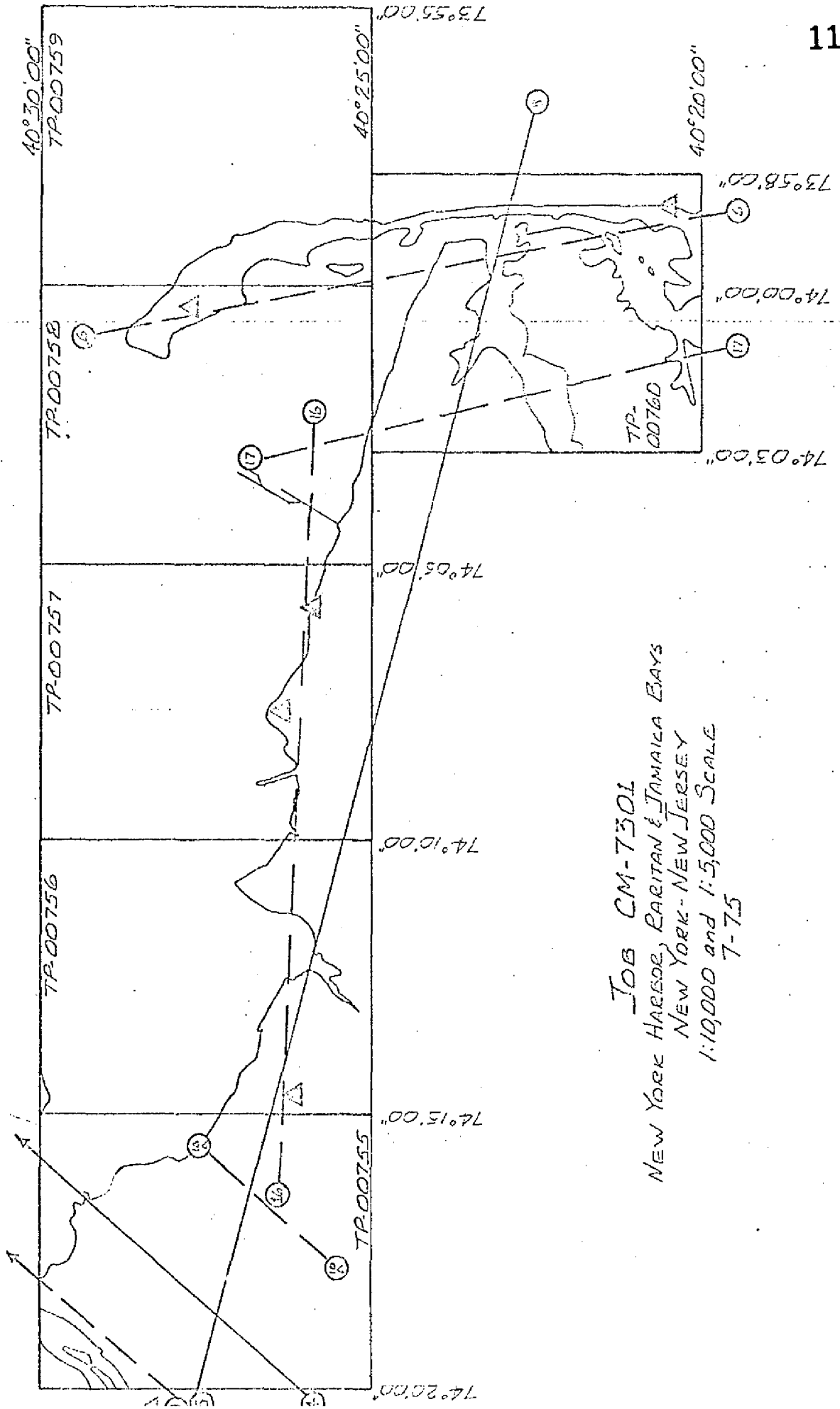
Ivan O. Raborn
Ivan O. Raborn

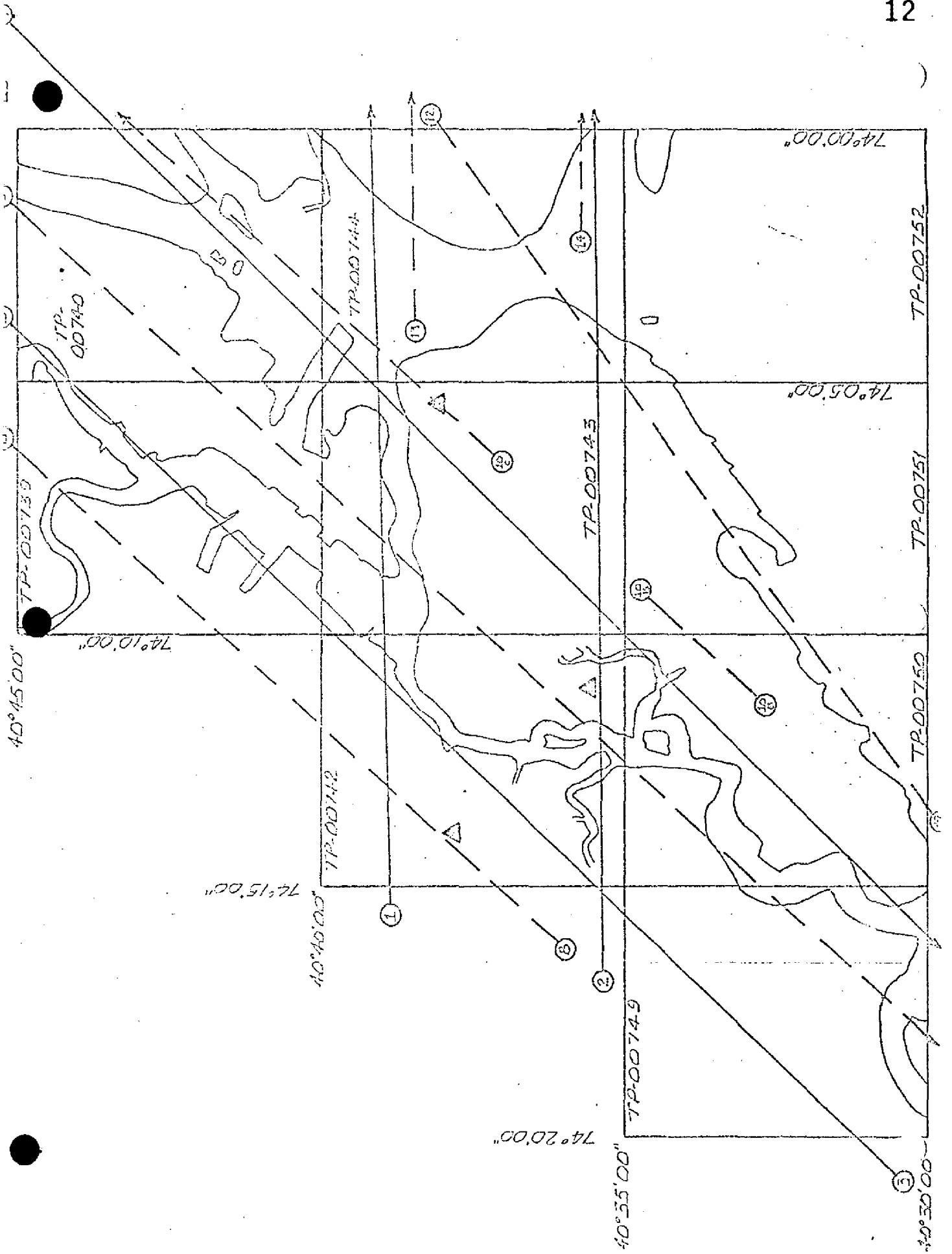
Approved and forwarded:

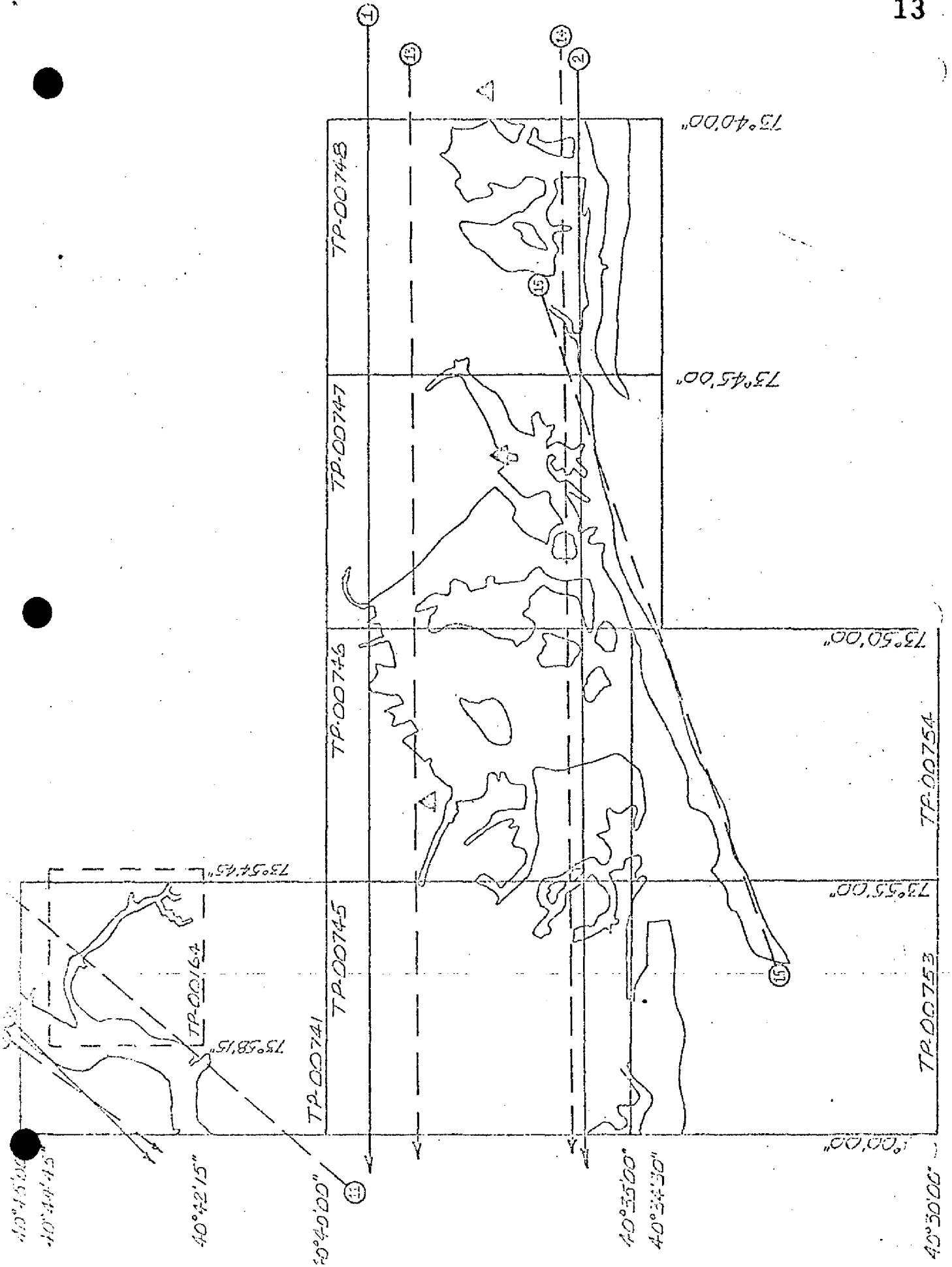
John D. Perrow, Jr.

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.	GEODEIC DATUM		AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			STATE	ZONE			ϕ LATITUDE	λ LONGITUDE			
TP-00760		CM-7301									
	ELEVEN 2, 1962				970100	NJ Vol II GP-P. 221	X=		ϕ 40-20-30.7591		Recovered 1974
							Y=		λ 73-58-28.6754		
	ATLANTIC HIGHLANDS COUNTY GAS CO. LARGEST GAS TANK 1930				204110	NJ Vol I GP-P. 487	X=		ϕ 40-24-38.11		
	NAVESINK RIVER GREENHAM'S WHITE TANK 1934				200110	NJ Vol I GP-P. 453	Y=		λ 74-02-33.48		
	ATLANTIC HIGHLANDS TANK 1899				201112	NJ Vol I GP-P. 589	X=		ϕ 40-22-36.82		
							Y=		λ 74-02-29.92		
							X=		ϕ 40-24-34.28		Not plotted on manuscript
							Y=		λ 74-01-31.18		
	HIGHLANDS SCHOOL 1934				115	NJ Vol I GP-P. 573	X=		ϕ 40-24-11.254		
	ATLANTIC HIGHLANDS AT + T MICROWAVE TOWER 1962					UNADJUSTED	Y=		λ 73-59-44.302		532
							X=		ϕ 40-24-11.05		
							Y=		λ 74-02-39.05		
	NAVESINK LIGHT, NORTH 1869					NJ Vol I GP-P. 573	X=		ϕ 40-23-47.250		417
							Y=		λ 73-59-10.544		
							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				DATE 11-11-75		LISTING CHECKED BY	G. Ball			DATE Nov 11, 1975
HAND PLOTTING BY	N/A				DATE		HAND PLOTTING CHECKED BY	N/A			DATE

TP-00760
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 instrument compilation of alongshore details.

No infrared photo coverage exists west of the Oceanic Bridge on the Navesink River and west of Gunning Island on the Shrewsbury 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 Detail

The MHW line was compiled from office interpretation of the color photography.

Alongshore and foreshore detail was delineated by office interpretation of the color photography, and updated by graphic compilation from the more recent 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 applied to those shoals, 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 the 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 quadrangles:

Sandy Hook, NJ, 1:24,000 scale, 1954 edition, photorevised 1970
Long Branch, NJ, 1:24,000 scale, 1954 edition, photorevised 1970

No significant changes were noted.

47. Comparison with Nautical Charts

A comparison has been made with the following Nautical Charts:

Chart 12324(formerly 824-SC) 1:40,000 scale, 13th edition, July 1974
Chart 12327(formerly 369) 1:40,000 scale, 65th edition, Feb. 1, 1975
Chart 12328(formerly 369-SC) 1:40,000 scale, 12th edition, Feb 1975
Chart 12330(formerly 544) 1:10,000 scale, 6th edition, Aug:53, 1974

Items to be Applied to Nautical Charts Immediately - None

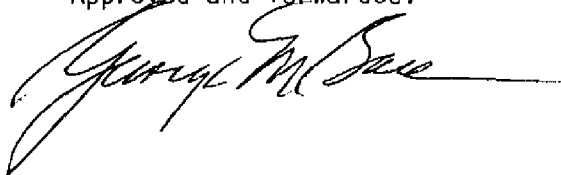
Items to be Carried Forward - None

Submitted by,



G. Fromm
Special Projects Section

Approved and forwarded:



COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00760

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 14 Oct 76
G. TrimmerSupervisor *[Signature]*



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-00760

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.

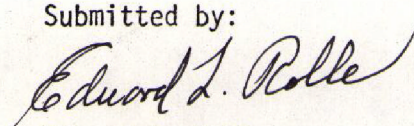
67. The Mean Low Water Line

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

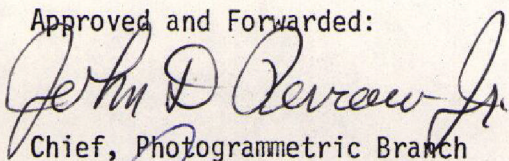
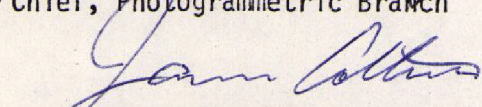
The back limits of "~~fingers~~^{fringes} of marsh" were not compiled, where the horizontal distance to the apparent shoreline was 15 meters or less at map scale. No attempt was made to displace these limits or to label "~~Finger~~^{Fringe} of marsh," because of the dense concentration of other map detail.

Submitted by:



Edward L. Rolle

Approved and Forwarded:


Chief, Photogrammetric Branch
Chief, Coastal Mapping Division

GEOGRAPHIC NAMES

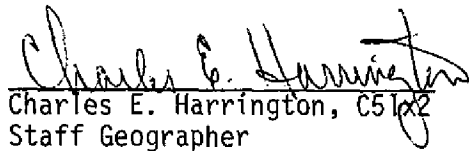
FINAL NAME SHEET

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

TP-00760

Atlantic Highlands	McClees Creek
Atlantic Highlands Municipal Harbor	Navesink
Atlantic Ocean	Navesink River
Barley Point	Oyster Bay
Claypit Creek	Pleasure Bay
Fair Haven	Plum Island
Galilee	Raccoon Island
Gunning Island	Rumson
Highlands	Sandy Hook Bay
Lewis Point	Sea Bright
Little Silver	Sedge Island
Little Silver Creek	Shrewsbury River
Little Silver Point	Town Neck Point
Locust	Waterwitch
Locust Point	

Approved by:


Charles E. Harrington, C51a2
Staff Geographer

SVY TP-00760 * RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF 4 *
JOB CM-7301 * NONFLOATING AIDS FOR CHARTS * STATE NEW JERSEY *
PRJ NY HARBOR * LOCALITY SHREWSBURY RIVER * 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 *
RECORD REASON FOR DELETION * LATITUDE DM ALTEK * OF LOCATION * CHARTS *
PUT TRIANGULATION NAMES IN () * LONGITUDE DP DGTZD * OFFICE * FIELD * AFFECTED *

NEW YORK HARBOR * * * *
SOUTH APPROACH * * * *
HIGHLANDS LIGHT * 40 23 47.25 1457.4 NOT *74E(C)6967* * 12324 *
(NAVESINK LIGHT, NORTH 1869) * 73 59 10.54 248.6 DGTZD* 10/17/74 * 12327 *
12328 *

THE FOLLOWING CHARTED PRIVATE AIDS ON THE SHREWSBURY RIVER ARE NOT LISTED IN THE U S COAST GUARD LIGHT LIST.

LIGHT * 40 20 20.76 640.3 *74E(C)7198* REVISED * 12324 *
1 * 74 00 46.97 1108.7 * 10/19/74 * *
Copy to C.G. Hq. (Wash. D.C.)
Copy to 3rd C.G. Dist.
Page 23, 24, 25, 26, 27, 28

LIGHT * 40 20 12.51 385.9 *74E(C)7198* REVISED * 12324 *
1 * 74 00 28.23 666.3 * 10/19/74 * *
LIGHT * 40 20 05.81 179.2 *74E(C)7198* REVISED * 12324 *
1 * 74 00 48.76 1151.0 * 10/19/74 * *
LIGHT * 40 20 49.99 1541.9 *74E(C)7198* REVISED * 12324 *
8 * 73 59 24.56 579.6 * 10/19/74 * *

LIGHT * 40 20 26.94 830.9 *74E(C)6970* REVISED * 12324 *
6 * 73 59 00.39 9.2 * 10/17/74 * *

LIGHT * 40 20 15.71 484.6 *74E(C)6970* REVISED * 12324 *
2 * 73 58 59.25 1398.5 * 10/17/74 * *
See note on following page.

TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR *

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

DATA TAB
VERSION
770818

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* RPT UNIT CMD ROCKVILLE, MD.
* STATE NEW JERSEY
* LOCALITY SHREWSBURY RIVER
* DATE 08/12/77
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* CHARTING*	RECORD REASON FOR DELETION	* DESCRIPTION	* POSITION	CMD *	METHOD AND DATE	* CHARTS
NAME	PUT TRIANGULATION NAMES IN ()		LATITUDE	ALTEK*	OF LOCATION	* CHARTS
			LONGITUDE	DGTZD*	OFFICE * FIELD	* AFFECTED

GAS	*	(ATLANTIC HIGHLANDS COUNTY GAS	* 40 24 38.11	1175.5	NOT *74E(C)7201*	* 12324
TANK	*	CO LARGEST GAS TANK 1930)	* 74 02 33.48	789.4	DGI7D* 10/19/74 *	* 12327

[illegible][illegible]

TOWER	*	*	40	20	32.53	1003.4	*74E(C)6969*	*	12328
TOWER	*	*	40	20	32.53	1003.4	*74E(C)6969*	*	12324

SPIRE	*		*	40 22 00.25	7.7	*74E(C) 6969*	REVISED	*	12324

[illegible]

R	*	*	40	21	41.40	1277.0	*74E(C)6969*	REVISED	*

12328									
12324									

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2

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TYPE OF ACTION	* NAMES OF RESPONSIBLE PERSONNEL	* ORIGINATOR
1. RESEARCH AND DEVELOPMENT		
2. PRODUCTION		
3. MARKETING		
4. FINANCIAL		
5. LEGAL		
6. PERSONNEL		
7. PLANT		
8. SAFETY		
9. QUALITY CONTROL		
10. OTHER		

* *

* *

	* * *	NO FIELD EDIT-CLASS III MAP	* FIELD REPRESENTATIVE
POSITIONS DETERMINED	*		* OFFICE COMPILER
AND/OR VERIFIED BY	*	G. FROMM	

* ACTIVITIES	* G. FROMM	* DATA PROCESSER

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* SVY	TP-00760	*
* JOB	CM-7301	*
* PRJ	N Y HARBOR*	
* DTM	NA 1927	*
 LANDMARKS FOR CHARTS TO BE REVISED		
* RPT UNIT	CMD ROCKVILLE, MD.	*
* STATE	NEW JERSEY	*
* LOCALITY	SHREWSBURY RIVER	* ORIGINATING ACTIVITY*
* 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*	OF LOCATION
**NAME	PUT TRIANGULATION NAMES IN ()	**	LONGITUDE	DP	DGTZD*	OFFICE
						*FIELD
						AFFECTED
						*CHARTS *

 CHARTED LDMK(S) UNIDENTIFIABLE ON COMPILATION PHOTOGRAPHY.

* MICRO	* (ATLANTIC HIGHLANDS A T AND T	* 40 24 11.05	340.8	NOT	*	12324
* TOWER	* MICROWAVE TOWER 1962)	* 74 02 39.05	920.8	DGTZD*	*	12327
-----						12328
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[illegible]

* MARKER *	* 40 24 49.00	1511.4	NOT *	* 12327 *
* *	* 74 01 26.00	613.0	DGTZD*	* 12328 *
* ----- *				* 12330 *

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

TP-00760

National Archives Data

One C&GS Form 152 (Control Station Identification)

Photography: 74-B(C) 1203

