

TP- 00855

TP- 00855

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
This map will not be field checked	
Map No. TP-00855	Edition No. I
Job No. CM-7405	
Map Classification III	
Type of Survey Shoreline	
<h3 style="text-align: center;">LOCALITY</h3>	
State New York	
General Locality Hudson River	
Locality Castleton-on-Hudson	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19 75 TO 19 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
DATE	

MAP NOT INSPECTED BY
QUALITY CONTROL OF PHOTOGRAMMETRY BRANCH
PRIOR TO REGISTRATION

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Md.		SURVEY TP. <u>00855</u> MAP EDITION NO. (1) MAP CLASS III JOB <u>RCM-7405</u>	
OFFICER-IN-CHARGE Lawrence W. Fritz		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation Sept. 4, 1975 Compilation May 19, 1982		Field April 2, 1975 Supplemental 1 April 15, 1975	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify) Hudson River Datum	
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE New York ZONE East	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY D. Norman 12/4/75 METHOD: Analytic LANDMARKS AND AIDS BY J. Perrow 12/4/75			
2. CONTROL AND BRIDGE POINTS PLOTTED BY H. Jones 7/1/77 METHOD: Coradomat CHECKED BY J. Schad 9/82			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY J. Schad 9/82 COMPILATION CHECKED BY P. Dempsey 9/82 INSTRUMENT: B-8 SCALE: 1:20,000			
4. MANUSCRIPT DELINEATION PLANIMETRY BY J. Schad 9/82 CHECKED BY P. Dempsey 9/82 METHOD: Smooth Drafted SCALE: 1:20,000			
HYDRO SUPPORT DATA BY N/A CHECKED BY N/A			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY N/A			
6. APPLICATION OF FIELD EDIT DATA BY N/A CHECKED BY N/A			
7. COMPILATION SECTION REVIEW BY P. Dempsey 2/83			
8. FINAL REVIEW BY E. D. Allen 7/84			
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY E. DAUGHERTY NOV 1984			

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "C" Focal length 88.47mm "E" Focal length 152.71mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75C(C)5797 thru 5800	5/7/75	1001	1:60,000	-1.9 MHW (Castleton-on-Hudson) -1.5 MHW (Castleton-on-Hudson) -0.8 MHW (New Baltimore)	
75E(C)9011 Thru 9014	4/23/75	0805	1:20,000		
75E(C)9018 thru 9020	4/23/75	0820	1:20,000		
75E(C)9021 thru 9025	4/23/75	0820	1:20,000		

REMARKS Stage of tide computed at station listed above based on Albany reference station records.

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW line was interpreted from the 1:20,000 photographs listed in item 1 above.

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

N/A

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00854	N/A	TP-00856	N/A

REMARKS

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

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Robert S Tibbetts	4/75
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	
	Lawrence H Davis	4/75
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	
	N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	
	N.A.	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
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

1 Pre-mark

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
N/A	Star 1934 Sub Ptt.		

3. PHOTO NUMBERS (Clarification of details)

none

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)

1 form 266, 1 form 76-53, with quad. cutout attached.

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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore detail	9/82	Class III Manuscript		
Final Reviewed Map		Class III manuscript	OCT 15 1984	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3 PG		OCT 15 1984	LANDMARKS & AIDS TO NAVIGATION 76-40

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

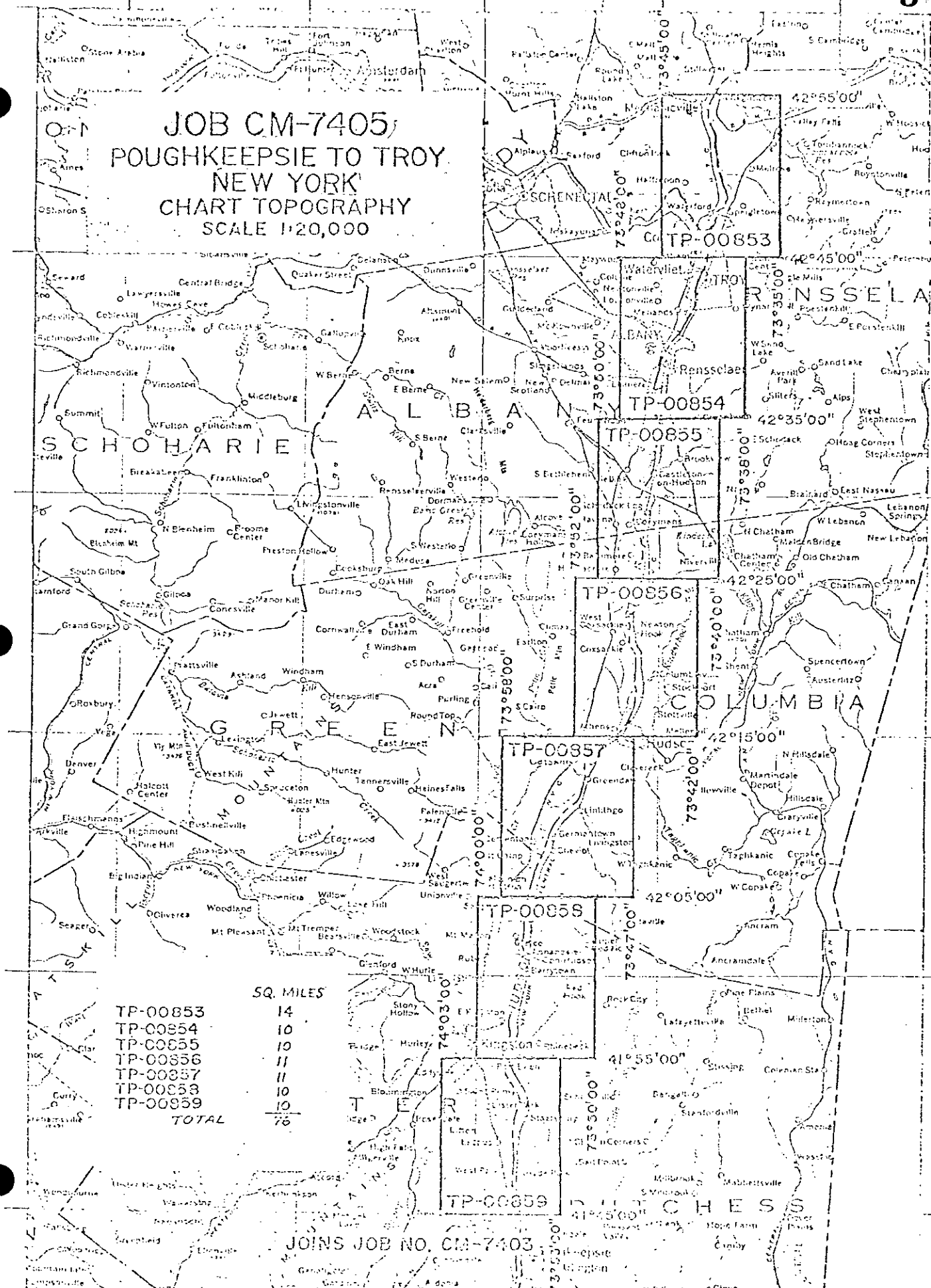
III. FEDERAL RECORDS CENTER DATA

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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

JOB CM-7405 POUGHKEEPSIE TO TROY NEW YORK CHART TOPOGRAPHY SCALE 1:20,000



	SQ. MILES
TP-00853	14
TP-00854	10
TP-00855	10
TP-00856	11
TP-00857	11
TP-00858	10
TP-00859	10
TOTAL	76

JOINS JOB NO. CM-7403

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-00855

This 1:20,000-scale shoreline map is one of seven maps in project CM-7405 which covers the shoreline of the Hudson River from Poughkeepsie to Troy, New York.

Field operations consisted of aerial photography and recovery, establishment, and premarking of horizontal control necessary for aerotriangulation.

Natural color photography was taken in 1975 at scales of 1:60,000 and 1:20,000. Basic aerotriangulation and compilation photographs (1:60,000 scale) were taken with the Wild RC-10(C) camera. Supplemental color photographs (1:20,000 scale) were taken with the Wild RC-8(E) camera for use in shoreline delineation.

Two strips of 1:60,000-scale photographs were bridged using analytic aerotriangulation methods. Sufficient tie points were selected between the bridged and 1:20,000-scale photographs for compilation by either instrument or graphic methods. The aerotriangulation control proved adequate and met the National Standards of Map Accuracy.

Tidal stages concurrent with photographs (1:20,000 scale) were furnished by the Corps of Engineers. This data is based on the Hudson River Datum and was used in determining the tidal stage at the Albany gage site.

Compilation was performed by Coastal Mapping Unit, Rockville, Maryland. The map delineation was based on office interpretation of 1:60,000-scale natural color photographs. Graphic compilation methods using the supplemental photographs (1:20,000 scale) was employed to compile the high water line and to complement the interpretation of other detail. When features were too small or too numerous to show at scale, no attempt was made to show all. Instead, a representative pattern of the symbol or area outline was shown, augmented by an explanatory note.

Final review was performed by Coastal Mapping Unit (Rockville, Maryland). This map was found to be satisfactory and meets requirements of the National Standards of Map Accuracy.

FIELD INSPECTION

TP-00855

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

Photogrammetric Plot Report
Hudson River
Poughkeepsie to Troy
New York
CM-7405
December 4, 1975

21. Area Covered: This report pertains to the Hudson River between Poughkeepsie and Troy, New York. The sheets are TP-00853 through TP-00859. All are 1:20,000 scale.
22. Method: Two strips of color photography at 1:60,000 scale were bridged by analytic aerotriangulation methods and adjusted to ground in the New York East zone state plane coordinated system. Points were established for determining ratios of 1:20,000 scale support photography. Points for setting models were plotted on the Coradomat.
23. Adequacy of Control: The control was adequate.
24. Supplemental Data: U.S.G.S. topographic quadrangles were used to determine elevation for strip adjustment.
25. Photography: The photography was adequate.

Submitted by

Don O. Norman

Don O. Norman

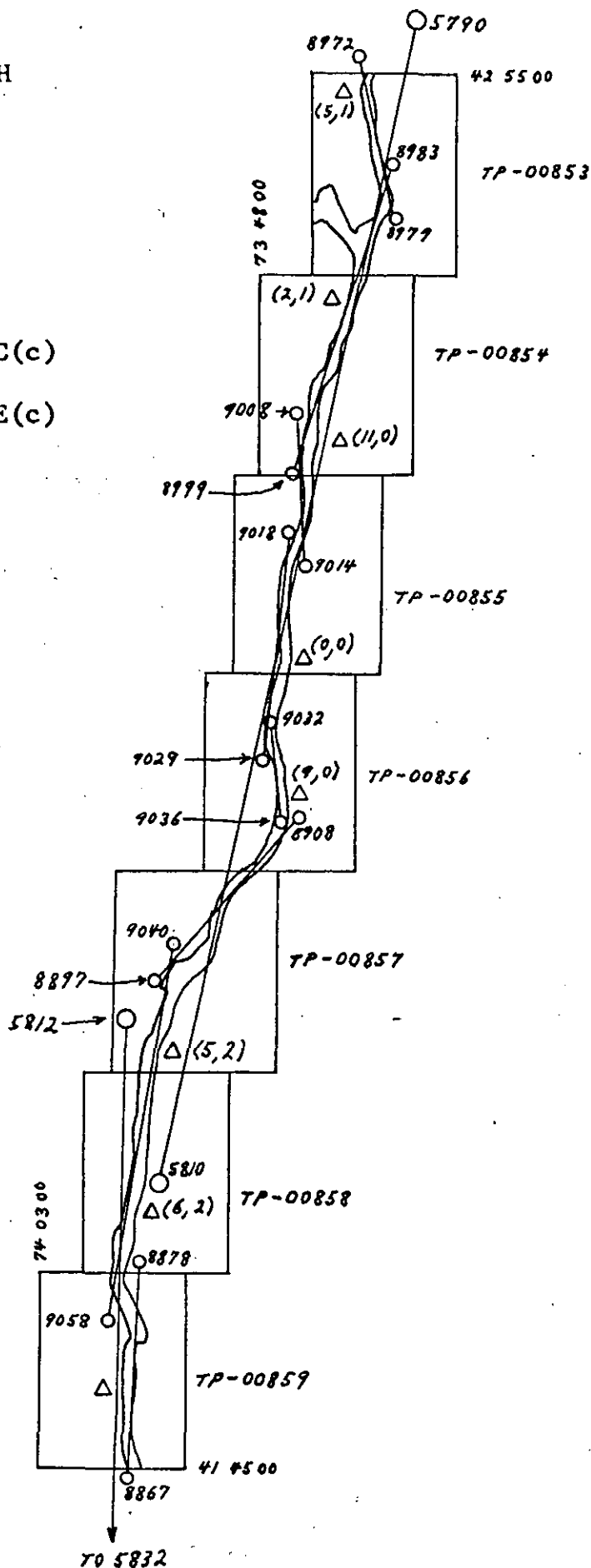
Approved by,

John D. Perrow Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

AEROTRIANGULATION SKETCH
HUDSON RIVER
POUGHKEEPSIE TO TROY
NEW YORK
JOB CM-7405
DECEMBER, 1975

Obtaining photography
1:60000 scale 75C(c)
Aerial photography
1:20000 scale 75E(c)



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			SOURCE OF INFORMATION (Index)	STATE		ZONE	East	ϕ LATITUDE	λ LONGITUDE	
TP-00855		CM-7405		N.A. 1927				Compilation		
Van Wies Point Dike Light, 1934	G.P. Vol 1 Pg 402		30			ϕ 42° 34'	38.857"			
						λ 73° 45'	05.250"			
Staats Point Light, 1934	G.P. Vol 1 Pg 401		797110			ϕ 42° 34'	17.423"			
						λ 73° 45'	04.536"			
Bear Island Light, 1934	G.P. Vol 1 Pg 399		31			ϕ 42° 33'	26.447"			
						λ 73° 45'	23.196"			
Cow Island Light, 1934	G.P. Vol 1 Pg 397		32			ϕ 42° 32'	15.608"			
						λ 73° 45'	20.933"			
Castleton, Sacred Heart Church, Spire, Cross, 1934	G.P. Vol 1 Pg 396		33			ϕ 42° 31'	35.639"			
						λ 73° 45'	21.789"			
Nine Mile Tree Light, 1934	G.P. Vol 1 Pg 395		34			ϕ 42° 31'	04.653"			
						λ 73° 45'	54.045"			
Coeymans Dike North Light, 1934	G.P. Vol 1 Pg 393		36			ϕ 42° 28'	41.60"			
						λ 73° 47'	19.59"			
Mullalike Lower End Light, 1934	G.P. Vol 1 Pg 394		35			ϕ 42° 30'	04.021"			
						λ 73° 46'	50.943"			
Stonehouse Bar Dike Light, 1934	G.P. Vol 1 Pg 389		42			ϕ 42° 25'	26.931"			
						λ 73° 46'	45.724"			
Star, 1934	G.P. Vol 1 Pg. 246					ϕ 42° 25'	28.386"			
						λ 73° 46'	16.077"			
COMPUTED BY			DATE	COMPUTATION CHECKED BY		DATE		DATE		
LISTED BY	A. C. Rauck, Jr.		DATE 7/15/77	LISTING CHECKED BY	F. Mauldin	DATE 7/27/77		DATE		
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY		DATE		DATE		

Compilation Report
TP-00855

September 1982

31. Delineation

Planimetry was compiled from the natural color photographs using the Wild B-8 stereoplotter. There was no mean high water or mean low water tide-coordinated infrared photographs. All detail was compiled from 1:60,000-scale bridging photographs and verified with black and white 1:20,000-scale photographs.

32. Control

See attached Photogrammetric Plot Report dated December 4, 1975. Vertical control was taken from USGS quadrangles.

33. Supplemental Data - None

34. Contours and Drainage

Contours not applicable. Drainage was delineated using the Wild B-8 stereoplotter.

35. Shoreline and Alongshore Detail

The shoreline was delineated and alongshore detail identified by office interpretation of the bridging photographs. These photographs were adequate in the photointerpretation of this map. No field inspection was made prior to map compilation.

36. Offshore Detail

Several lights, breakwater features, and trees off Shad Island were identified from the 1975 photographs. Except for the lights and breakwaters the trees do not appear on Chart 12348.

37. Landmarks and Aids

Only one landmark (Spire) falls on this map. The Spire was verified using the Wild B-8 stereoplotter. A tower, approximate position, could not be located at charted position. A standpipe, tank, and spire were identified for possible landmark value. All aids shown on the chart were identified, but the positions shown are taken from the 1975 photographs.

38. Control for Future Surveys - None

39. Junctions

Refer to NOAA Form 76-36B, Item 5.

40. thru 45. Not Applicable46. Comparison with Existing Maps

USGS quadrangles:

Delma, N.Y., 1953, Scale 1:24,000

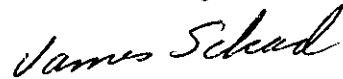
East Greenbush, N.Y., 1953, Scale 1:24,000

Ravena, N.Y., 1953, Scale 1:24,000

47. Comparison with Nautical Charts

12348, Scale 1:40,000, 28th Edition, dated March 13, 1982

Submitted by,



James Schad

Approved and Forwarded:



For: Frank Wright
Chief, Coastal Mapping Section

AUGUST 1984

61. GENERAL STATEMENT

The shoreline and alongshore were compiled from office interpretation of the natural color photographs (1:60,000 scale) using the Wild B-8 stereoplotter. To complement and aid these photographs in the interpretation of the high water line, the 1:20,000-scale photographs were used graphically. Tidal data concurrent with the 1:20,000-scale photographs, based on the Hudson River Datum, was furnished by the Corps of Engineers. Refer to Summary bound with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Refer to Compilation Report, paragraph 46, bound with this Descriptive Report.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

Refer to compilation Report, paragraph 47, bound with this Descriptive Report.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the project instructions and meets National Map Accuracy Standards.

67. PHOTOGRAPHS

Natural color photographs were taken in 1975 at scales of 1:60,000 and 1:20,000. Basic aerotriangulation and compilation photographs (1:60,000 scale) were taken with the Wild RC-10(C) camera, supplemental photographs (1:20,000 scale) with the Wild RC-8(E) camera.

Submitted by:



Edward D. Allen
Cartographer

Approved and Forwarded:

Chief, Photogrammetric Section

Chief, Photogrammetry Branch

GEOGRAPHIC NAMES

FINAL NAME SHEET

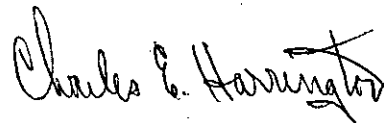
CM-7405 (Hudson River, New York)

TP-00855

Barren Island
Bear Island
Binnen Kill
Campbell Island
Castleton-on-Hudson
Cedar Hill (locality)
Coeymans
Coeymans Creek
Conrail (RR)
Cow Island
Frothingham Lake
Hannacrois Creek
Houghtaling Island
Hudson River
Lower Schodack Island
Matthew Point
Moordener Kill
Muitzes Kill
Mull Island

New Baltimore
Paarda Hook
Papscanee Creek
Papscanee Island
Pixtaway
Poolsburg
Schermerhorn Island
Schodack Creek
Schodack Landing
Shad Island
Staats Point
Stony Point (locality)
Upper Schodack Island
Van Wies Point
Vierda Kill
Vlokie Kill
Vloman Kill
Wemple

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

DISSEMINATION OF PROJECT MATERIAL

CM-7405

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

Job Completion Report

Brown Jacket:

Aerotriangulation Photographs

Photogrammetric Plot Report Copy

Computer Listings

Tide Data

Field Control Report

NOAA Form 76-53 (Control Identification Cards)

NOAA Form 76-40

BUREAU ARCHIVES

Registered Map

Descriptive Report

REPRODUCTION DIVISION

8x Reduction Negative of the Map

OFFICE OF STAFF GEOGRAPHER

Geographic Names Standards

Replaces C&GS Form 567.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED	REPORTING UNIT (Field Party, Ship or Office) Rockville, Md.	STATE New York	LOCALITY New York Harbor	DATE 9/82
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The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	JOB NUMBER		SURVEY NUMBER		DATUM				METHOD AND DATE OF LOCATION (See instructions on reverse side)			CHARTS AFFECTED
		CM-7405	TP-00855	LATITUDE ° / ' " D.M. Meters	LONGITUDE ° / ' " D.P. Meters	POSITION		OFFICE	FIELD				
						N. A. 1927							
Dybn D	UPPER HUDSON RIVER Coeymans Dike Daybeacon D	42	28	33.6	73	47	18.8	75C(C)5800 5/7/75	12348				
Dybn E	Coeymans Dike Daybeacon E	42	28	40.0	73	47	20.3	"	"				
Light 47	Coeymans Dike North Light, 1934	42	28	41.60	73	47	19.59	Triang.	"				
Light 49		42	29	11.5	73	47	15.7	75C(C)5799 5/7/75	"				
Light 51	Mull Dike Lower End Light, 1934	42	30	04.02	73	46	50.94	Triang.	"				
Light 52	Nine Mile Tree Light, 1934	42	31	04.65	73	45	54.04	Triang.	"				
Light 56	Cow Island Light, 1934	42	32	15.61	73	45	20.93	Triang.	"				
Light 59	Bear Island Light, 1934	42	33	26.45	73	45	23.20	Triang.	"				
Light 62	Staats Point Light, 1934	42	34	17.42	73	45	04.54	Triang.	"				
Light 64	Van Wies Point Dike Light, 1934	42	34	38.86	73	45	05.25	Triang.	"				

TYPE OF ACTION		RESPONSIBLE PERSONNEL		ORIGINATOR	
NAME		NAME		NAME	
OBJECTS INSPECTED FROM SEAWARD	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC
POSITIONS DETERMINED AND/OR VERIFIED	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC
FORMS ORIGINATED BY QUALITY CONTROL	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC
AND REVIEW GROUP AND FINAL REVIEW	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC	PHOTOGRAPHIC
INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION		INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION		INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION	
(Consult Photogrammetric Instructions No. 64.)		(Consult Photogrammetric Instructions No. 64.)		(Consult Photogrammetric Instructions No. 64.)	
OFFICE		FIELD (Cont'd)		FIELD	
1. OFFICE-IDENTIFIED AND LOCATED OBJECTS		8. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.		11. TRIANGULATION STATION RECOVERED	
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.		EXAMPLE: P-8-V 8-12-75		When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.	
EXAMPLE: 75E(C)6042 8-12-75		EXAMPLE: P-8-V 8-12-75		EXAMPLE: 8-Triang. Rec. 8-12-75	
FIELD		FIELD		FIELD	
1. NEW POSITION DETERMINED OR VERIFIED		11. POSITION VERIFIED VISUALLY ON PHOTOGRAPH		11. POSITION VERIFIED VISUALLY ON PHOTOGRAPH	
Enter the applicable data by symbols as follows:		Enter 'V-Vis.' and date.		EXAMPLE: V-Vis. 8-12-75	
F - Field		P - Photogrammetric		EXAMPLE: V-Vis. 8-12-75	
L - Located		V - Verified		EXAMPLE: V-Vis. 8-12-75	
1 - Triangulation		5 - Field identified		EXAMPLE: V-Vis. 8-12-75	
2 - Traverse		6 - Theodolite		EXAMPLE: V-Vis. 8-12-75	
3 - Intersection		7 - Planetable		EXAMPLE: V-Vis. 8-12-75	
4 - Resection		8 - Sextant		EXAMPLE: V-Vis. 8-12-75	
A. Field positions* require entry of method of location and date of field work.		EXAMPLE: F-2-6-L		EXAMPLE: F-2-6-L	
EXAMPLE: F-2-6-L		EXAMPLE: F-2-6-L		EXAMPLE: F-2-6-L	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										ORIGINATING ACTIVITY									
NONFLOATING AIDS OR LANDMARKS FOR CHARTS																				<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)									
REPORTING UNIT (Field Party, Ship or Office)			STATE			LOCALITY			DATE																				
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED			Rockville, Md.			New York			New York Harbor			9/82																	
OPR PROJECT NO.			JOB NUMBER			SURVEY NUMBER			DATUM			The following objects HAVE <input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/> been inspected from seaward to determine their value as landmarks.																	
			CM-7405			TP-00855			N. A. 1927																				
CHARTING NAME			DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)			LATITUDE ° / ' " D.M. Meters			LONGITUDE ° / ' " D.M. Meters			METHOD AND DATE OF LOCATION (See instructions on reverse side)																	
			UPPER HUDSON RIVER																										
Light 36			Stonehouse Bar Dike Light, 1934			42 25			26.93 73 46			45.72			Triang.														
Light			Stonehouse Bar Channel North End Range Front Light			42 27			13.8 73 47			13.8			75C(C)5800 5/7/75														
Light			Stonehouse Bar Channel North End Range Rear Light			42 27			22.8 73 47			15.7			"														
Light 40						42 26			38.1 73 47			00.1			"														
Light 42			Five Hook Island Light, 1934			42 27			48.31 73 46			55.51			Triang.														
Light 45						42 28			15.8 73 47			14.3			75C(C)5800 5/7/75														
Dybn A			Coeymans Dike Daybeacon A			42 28			19.8 73 47			15.3			"														
Dybn B			Coeymans Dike Daybeacon B			42 28			24.0 73 47			16.4			"														
Dybn C			Coeymans Dike Daybeacon C			42 28			28.2 73 47			17.3			"														

TYPE OF ACTION		RESPONSIBLE PERSONNEL		ORIGINATOR
NAME		TITLE		
OBJECTS INSPECTED FROM SEAWARD				<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED/LAND/OR/VERIFIED				FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW				OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)				
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year), of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042				
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75				
FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982				
III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75				
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.				

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT
(Field Party, Ship or Office)

Rockville, Md.

STATE

New York

LOCALITY

New York Harbor

DATE

9/82

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

NONREMOVING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

The following objects HAVE ☐ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM

CM-7405 TP-00855

N. A. 1927

POSITION

LATITUDE

° / ' " D.M. Meters

LONGITUDE

° / ' " D.P. Meters

21.79

73 45

Triang.

12348

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

OFFICE

FIELD

CHARTS
AFFECTED

CHARTING
NAME

Spire

Castleton Sacred Heart Church Spire
Cross, 1934

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

