TP-01230

TP-01230

NOAA FORM 76-35
(6-80)

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

DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED.

Map No.	*Edition No.*
TP-01230	1

Job No.
CM-8302

Map Classification
CLASS III (FINAL)

Type of Survey
SHORELINE

LOCALITY

State
NEW YORK

General Locality
LAKE ONTARIO

Locality
NORTH POND

19 84 TO 19

REGISTERED IN ARCHIVES

DATE

* U.S. GOVERNMENT PRINTING OFFICE: 1980-665-115

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP. 01230

MAP EDITION NO. (1)

MAP CLASS III (Final)

JOB ~~PH~~ CM-8302

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE: A. Y. Bryson, CDR

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH. _____

MAP CLASS _____

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	October 18, 1984	Control	March 7, 1984
Compilation	May 29, 1985		

II. DATUMS

1. HORIZONTAL: [XX] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [ ] MEAN HIGH-WATER [ ] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify): International Great Lakes Datum (1955)

3. MAP PROJECTION: Transverse Mercator Projection

4. GRID(S): STATE: New York; ZONE: Central

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	S. Solbeck	Nov. 1984
	LANDMARKS AND AIDS BY	S. Solbeck	Nov. 1984
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp 718	PLOTTED BY	S. Solbeck	Nov. 1984
	CHECKED BY	D. Norman	Nov. 1984
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000	PLANIMETRY BY	R. Kravitz	Sept. 1985
	CHECKED BY	W. McLemore, Jr.	Sept. 1985
	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION METHOD: Smooth drafted SCALE: 1:20,000	PLANIMETRY BY	R. Kravitz	Sept, 1985
	CHECKED BY	W. McLemore, Jr.	Oct. 1985
	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
	HYDRO SUPPORT DATA BY	N.A.	
	CHECKED BY	N.A.	
5. OFFICE INSPECTION PRIOR TO ~~FIELD EXAM~~ Final Review	BY	W. McLemore, Jr.	Oct. 1985
6. APPLICATION OF FIELD EDIT DATA	BY	N.A.	
	CHECKED BY	N.A.	
7. COMPILATION SECTION REVIEW Class III	BY	W. McLemore, Jr.	Oct. 1985
8. FINAL REVIEW Class III (Final)	BY	J. Hancock	Nov. 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Hancock	Dec. 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Jan 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E DAUGHERTY	FEB 1986

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

*U.S. GOVERNMENT PRINTING OFFICE-1977-765-092

NOAA FORM 76-36B
(3-72)

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

TP-01230

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)
Wild R.C.-10(Z) (Z=153.15 mm)

~~XXXXXXXXXXXXXXXX~~Water Level Gage

- ☐ PREDICTED TIDES
- ☒ REFERENCE STATION RECORDS *
- ☐ TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Eastern ☒ STANDARD
MERIDIAN: 75th ☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	* ~~XXXXXXXXX~~ Lake Level
84Z(P)4368-4372	5-24-84	10:20	1:50,000	246.6 feet
84Z(P)4357-4358	5-24-84	10:02	1:50,000	246.6 feet

REMARKS
*Water level at the time of photography is indicated as recorded from the Cape Vincent, New York gage. Low Water Datum for Lake Ontario is 242.8 feet.

2. SOURCE OF MEAN HIGH-WATER LINE:

The term Mean High Water Line is not applicable. The shoreline is defined as the visible line of contact on the photographs between land and water. Delineation of the shoreline was derived by photointerpretation of the above listed black-and-white compilation/bridging photographs.

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

This item is not applicable to the project.

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-01228	No Survey	No Survey	TP-01229

REMARKS

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36C
(3-72)

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

TP-01230

HISTORY OF FIELD OPERATIONS

I. [xx] FIELD ~~INSPECTION~~ OPERATION (Premarking) [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		P. Walbolt	July 1984
2. HORIZONTAL CONTROL	RECOVERED BY	P. Walbolt	May 1984
	ESTABLISHED BY	P. Walbolt	May 1984
	PRE-MARKED OR IDENTIFIED BY	P. Walbolt	May 1984
3. VERTICAL CONTROL	RECOVERED BY	N.A.	
	ESTABLISHED BY	N.A.	
	PRE-MARKED OR IDENTIFIED BY	N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	N.A.	
	LOCATED *(Field Methods)* BY	N.A.	
	IDENTIFIED BY	N.A.	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [xx] NO INVESTIGATION — BY		
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 (Paneled)

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
84Z(P)4355	PULASKI, 1942 (Sub point paneled)		
84Z(P)4356	DERBY, 1942 (Sub point paneled)		

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 [xx] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [xx] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

2 NOAA forms 76-52
1 NOAA form 76-156 } Project Data

1 NOAA form 76-19

2 NOAA forms 76-53 (CSI Cards)
2 NOAA forms 75-63

NOAA FORM 76-36C
(3-72)

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36D
(3-72)

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

TP-01230

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Oct. 1985	Class III Manuscript	None	None
Final Review, Class III	Nov. 1985	Final Class III Map	12/16/85	12/16/85

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (Pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		12/16/85	Landmark for Charting

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 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

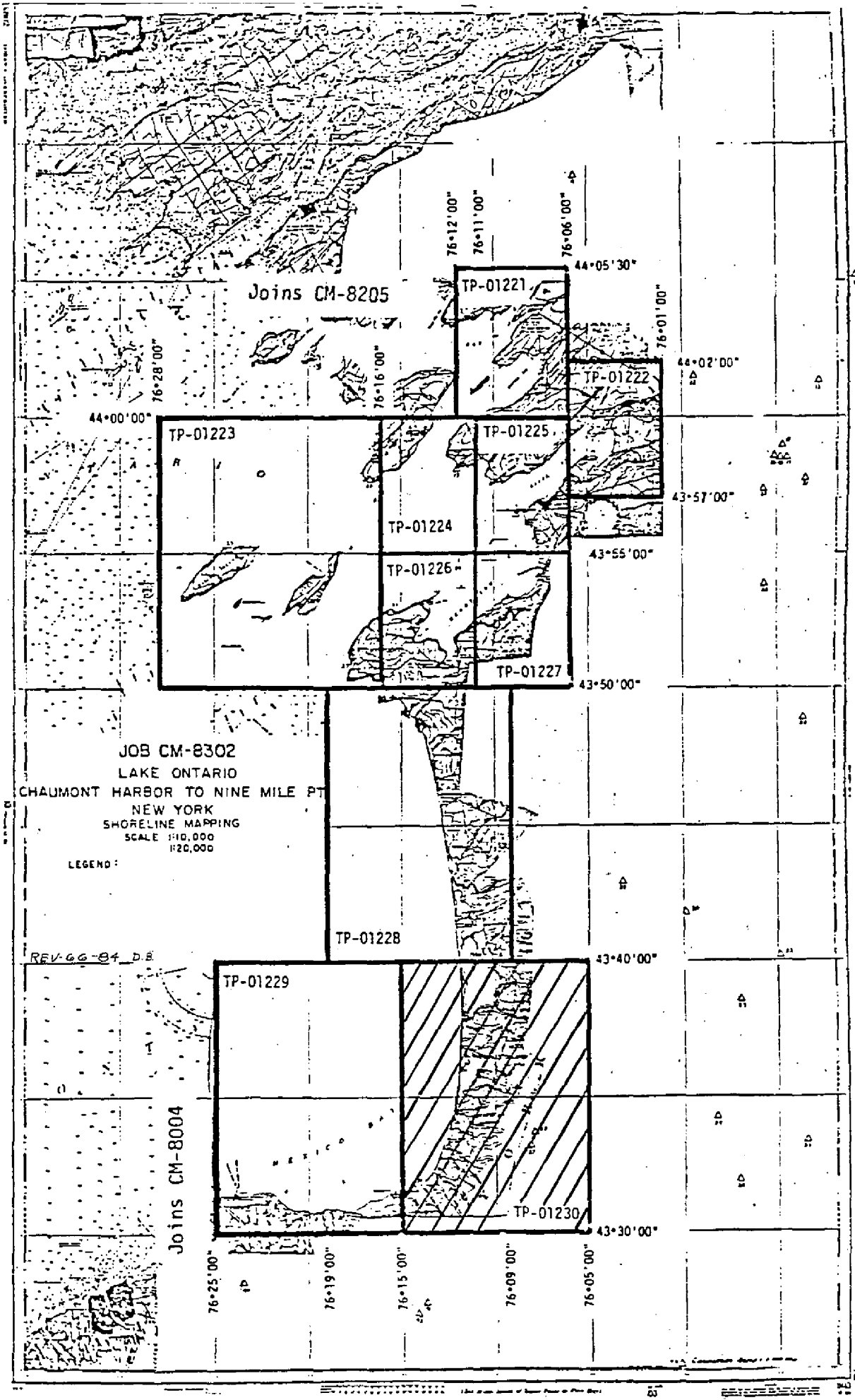
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ 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

NOAA FORM 76-36D

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092


Joins CM-8205
TP-01221
TP-01222
TP-01223
TP-01224
TP-01225
TP-01226
TP-01227
TP-01228
TP-01229
TP-01230
JOB CM-8302
LAKE ONTARIO
CHAUMONT HARBOR TO NINE MILE PT
NEW YORK
SHORELINE MAPPING
SCALE 1:10,000
1:20,000
LEGEND:
REV-66-84 D.B.
Joins CM-8004
76°28'00"
76°16'00"
76°12'00"
76°11'00"
76°06'00"
76°01'00"
76°25'00"
76°19'00"
76°15'00"
76°09'00"
76°05'00"
44°05'30"
44°02'00"
44°00'00"
43°57'00"
43°55'00"
43°50'00"
43°40'00"
43°30'00"

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01230

This 1:20,000 scale final Class III shoreline map is one of ten maps that comprise project CM-8302, Chaumont Harbor to Nine Mile Point, Lake Ontario, New York. This project consists of six 1:10,000 scale maps (TP-01221, TP-01222, and TP-01224 thru TP-01227) and four 1:20,000 scale maps (TP-01223 and TP-01228 thru TP-01230).

This map portrays a portion of shoreline adjacent to the northeast limit of Mexico Bay in the eastern region of Lake Ontario.

The purpose of this map is to provide current charting information for nautical chart maintenance, including new chart construction, and to supplement data for future hydrographic activity.

Field work prior to photography was adequately provided in May 1984. This involved the recovery, establishment and identification (premarking) of horizontal control necessary for aerotriangulation. There was no field inspection performed.

Photo coverage for the project was adequately provided by panchromatic photographs taken at scales of 1:30,000 and 1:50,000 with the Wild RC-10 (Z) camera. The 1:30,000 scale photographs were taken May 24, 1984 and the 1:50,000 scale photographs in May 27, 1984. At the time of photography, a water level reading of 246.6 ft. was recorded at Cape Vincent, New York. This established the shoreline datum for the project based on the 1955 International Great Lakes Datum.

Analytic aerotriangulation was adequately provided by the Washington Science Center in November 1984. This activity also included ruling the base manuscripts, determining ratio values for the photographs and locating visible landmarks and navigational aids.

Compilation was performed at the Coastal Mapping Unit, Atlantic Marine Center in October 1985. Delineation of map detail was accomplished using stereo instrument methods based upon interpretation of the 1:50,000 scale mapping photographs.

Final review was performed at the Atlantic Marine Center in November 1985. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also, a Notes to Hydrographer Print was prepared for future hydrographic activity.

This Descriptive Report contains all pertinent information used to compile this final Class III map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-01230

There was no field inspection prior to compilation. Field work accomplished consisted of aerial photography and the recovery, establishment, and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project.

FIELD OPERATIONS REPORT
JOB CM-8302, LAKE ONTARIO, CHAUMONT HARBOR TO
NINE MINE POINT, NY

We have performed this job in the field in accordance with Project Instructions dated 7 March 1984, N/CG2342:RT, from 1 May 1984 thru 23 June 1984 inclusive.

On 4 May, Mr. Barnes and Mr. Walbolt met with Mr. Ross Hudson, Jr. and Mr. Harold Spath of District 6, USPS, Watertown, NY. The USPS gave us Recovery Notes for many of the Triangulation Stations in the area. This helped speed the premarking.

We placed targets for aerotriangulation photography in each of seventeen (17) requested areas. Two of these Panels (Nos. 8 and 11) we located by the Satellite Dopplers; the others by conventional means. Each Panel was in place by the afternoon of 12 May.

On 21 May, the Chief Pilot called to inform us that the Photo Mission was ready to fly the photography when weather permitted. On 24 May, the Chief Pilot again called to inform us that the Photo Mission was on its way, and arranged to meet us at the Watertown International Airport. Throughout this period, we continued to monitor the panels.

As in 6.0, Note 1 of Instructions, we sent graphics of each panel to the Rockville Office.

Submitted by,

Philip B. Walbolt

Philip B. Walbolt
6 July 1984

PHOTOGRAMMETRIC PLOT REPORT

CM-8302

Chaumont Harbor to Nine Mile Point
Lake Ontario-New York

November 1984

21. Area Covered

The project are covered by this report is that portion of the Lake Ontario-New York shoreline from Chaumont to Nine Mile Point. This area is covered by six 1:10,000 scale manuscripts (TP-01221, TP-01222, and TP-01224 through TP-01227) and four 1:20,000 scale manuscripts (TP-01223, TP-01228 through TP-01230).

22. Method

Six strips of 1:50,000 scale and four strips of 1:30,000 scale panchromatic photographs were bridged by standard analytic aerotriangulation methods. The control was premarked and used for the adjustment of the 1:50,000 scale strips. Tie points were used to ensure the adequate junctioning between all strips and as the primary control for the 1:30,000 scale strips.

Ratio values have been determined for all bridging photographs. A copy of the ratio values has been attached to this report.

The manuscripts were ruled on the Calcomp 718 plotter using the New York Central State Plane Coordinate System. This system is based on the Transverse Mercator Projection.

23. Adequacy of Control

The control proved adequate and meets the National Standards of Map Accuracy. A copy of the fit to control is attached to this report.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustments. Nautical charts were used to locate aids and landmarks.

25. Photography

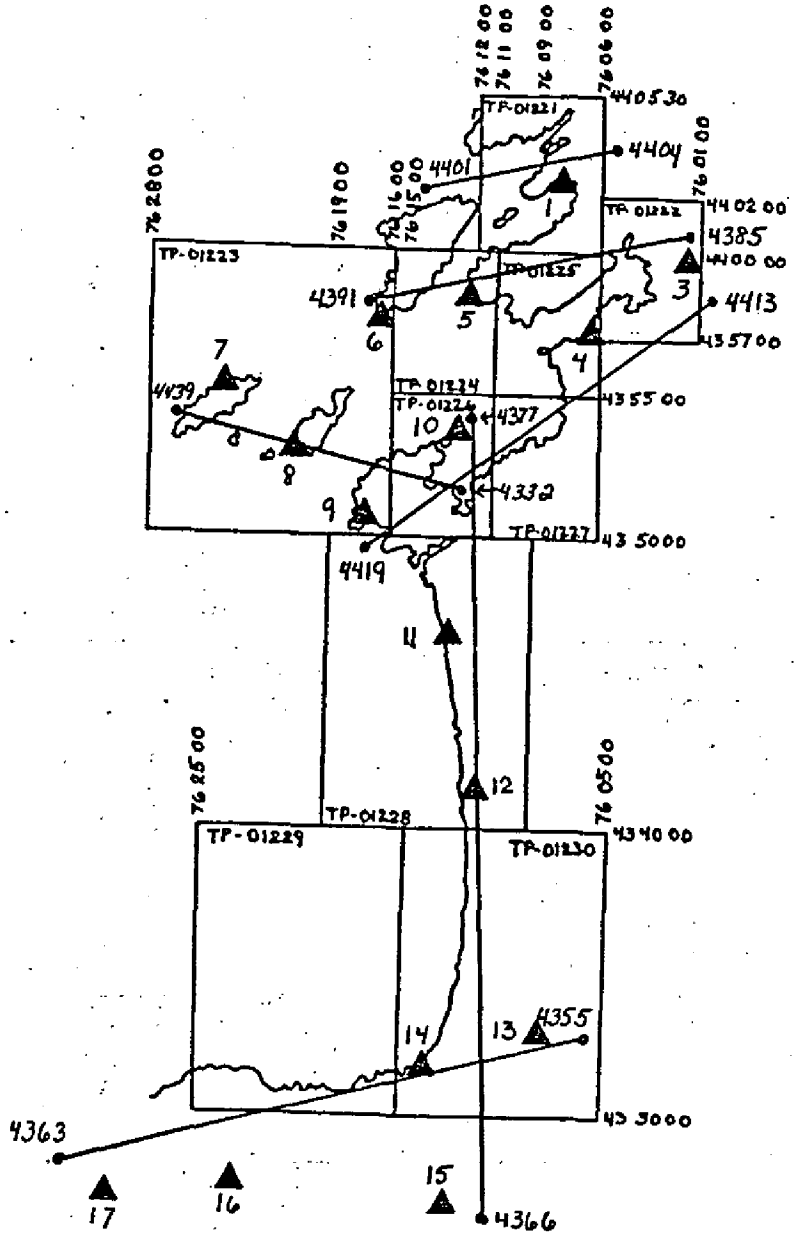
The coverage, overlap, and quality of the photographs proved adequate for completion of the project.

Submitted by:
Stephen H. Solbeck

Approved and Forwarded:
Don O. Norman
Chief, Aerotriangulation Unit

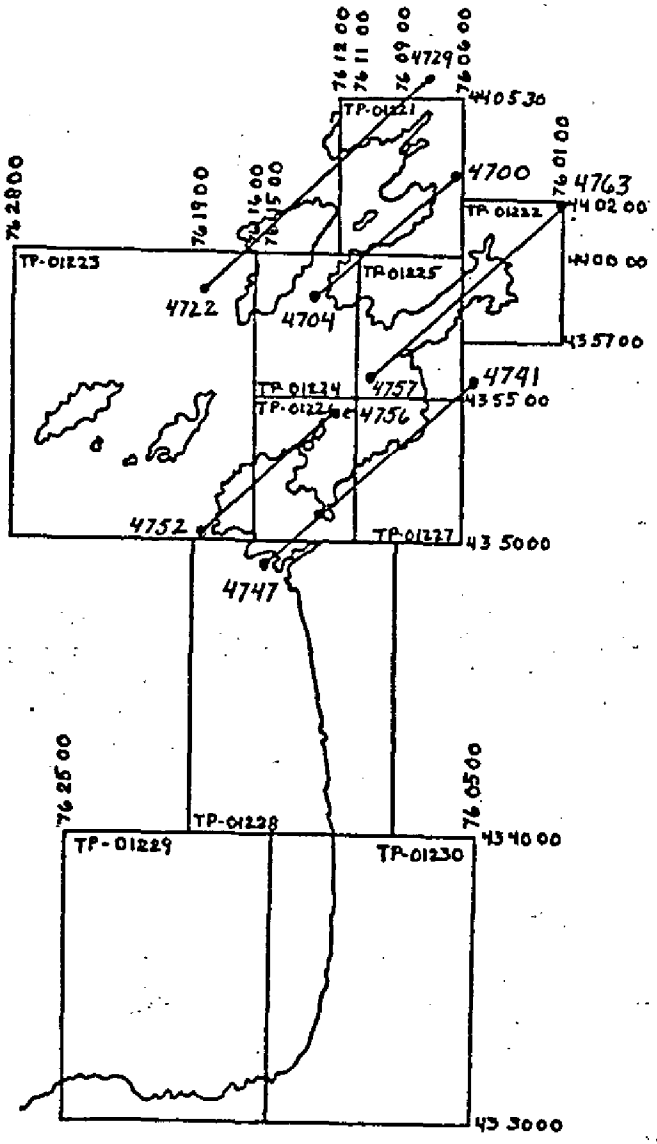
AEROTRIANGULATION SKETCH
CHAUMONT HARBOR TO NINE MILE PT
NEW YORK
CM-8302

1:50000 BRIDGING PHOTOGRAPHS
84Z(P)



AEROTRIANGULATION SKETCH
CHAUMONT HARBOR TO NINE MILE PT
NEW YORK
CM-8302

1:30000 BRIDGING PHOTOGRAPHS
84Z (P)



CM-8302

Control Reference for Aerotriangulation Sketch

Panel No.

1. Mort, 1983 (Sub Point)
3. Dexter 2, 1952
4. Sackets Harbor Black Tank, 1984 (Sub Point)
5. Shepard, 1983 (Sub Point)
6. Cooper (USLS), 1874
7. Galloo (USLS), 1874
8. Calf, 1984
9. Stony Point (USLS), 1874 (Sub Point)
10. 22601
11. Eastman, 1984 (Sub Point)
12. Colwell (USGS), 1893, RM 2 (Sub Point)
13. Pulaski, 1942 (Sub Point)
14. Derby, 1942 (Sub Point)
15. Mexico, 1942 (RM 3 - Stamped Mexico 1942 1974)
16. Scriba, 1942 (Sub Point)
17. Water, 1942

Fit to Control

CM-8302

Control Held in the Adjustment

1:50,000

Station Name	Point No.	X (Values in feet)	Y
Strip 50-1			
Tie From 50-2	401801	-.3	.5
"	401802	.6	-.3
"	401803	-1.2	.4
"	402801	1.3	-.7
"	402802	5.2	-3.4
"	402803	1.0	-1.5
"	403801	-1.0	-.7
"	403802	-.5	.7
"	403803	-.5	1.3
Mort, 1983 - Panel 1	403101	-.3	.5
Tie From 50-2	404801	-.7	1.2
"	404802	1.8	-1.0
"	404803	-.2	-.3
Strip 50-2			
Dexter 2, 1952 - Panel 3	385100	-.6	-.4
Sackets Harbor Black Tank 1984 - Panel 4	386101	.7	-.2
Mort, 1983 - Panel 1	403101	-.2	1.0
Shepard, 1983 - Panel 5	388101	.0	-1.0
Cooper (USLS) 1874 Panel 6	389100	.1	.6
Strip 50-3			
22601 - Panel 10	432100	- .4	1.1
Tie from 50-4	432801	.2	-1.4
"	432802	-.8	-1.6
"	432803	.1	-1.4

Stony Point (USLS), 1874 Panel 9	433101	1.3	.3
Tie from 50-4	433801	1.9	.5
"	433802	.2	2.5
"	433803	-.6	2.8
Calf, 1984 - Panel 8	434100	-2.9	-4.0
Galloo (USLS), 1874 Panel 7	435100	1.1	1.1
Strip 50-4			
Dexter 2, 1952 - Panel 3	385100	-.3	.3
Sackets Harbor Black Tank 1984 - Panel 4	386101	.9	-.7
22601 - Panel 10	432100	-.9	.7
Stony Point (USLS), 1874 Panel 9	433101	.4	-.3
Strip 50-5			
Pulaski, 1942 - Panel 13	355101	-.1	-.0
Derby, 1942 - Panel 14	357101	.3	.1
Scriba, 1942 - Panel 16	360101	-.3	-.1
Water, 1942 - Panel 17	362101	.1	.0
Strip 50-6			
Mexico RM 3, 1974 Panel 15	366101	1.0	.0
Derby, 1942 - Panel 14	357101	-3.3	-.8
Pulaski, 1942 - Panel 13	355101	1.1	1.4
Coldwell (USLS), 1893, RM 2 - Panel 12	372101	.6	1.7
Eastman, 1984 - Panel 11	374101	1.0	-3.6
22601 - Panel 10	432100	-.5	1.3

1:30,000

Station Name	Point No.	X (Values in feet)	Y (Values in feet)
Strip 30-1			
Cooper (USLS), 1874 Panel 6	389100	-1.3	.6
Tie from 50-2	722801	-.2	-.1
"	722802	-.5	.1
"	723801	1.2	.2
"	723802	-.7	-.7
"	723803	.0	.2
"	724804	-.9	.7
"	724805	.4	-.1
"	724806	1.8	-.3
Tie from 50-1	725801	.1	1.1
"	725802	.7	-1.0
"	725803	-.2	.0
"	726804	-1.0	1.5
"	726805	-1.0	.6
"	726806	-.5	.3
"	727804	-.3	.1
"	727805	-.9	.5
"	727806	.6	1.1
"	728804	.4	-.2
"	728805	-.4	-.0
"	728806	.7	.8
"	729801	1.2	-.3
"	729802	-.3	.3
"	729803	.0	-.5
Strip 30-2			
Tie from 50-1	700801	-.8	1.3
"	700802	-.6	1.0
"	700803	.0	-.4

Mort, 1983, - Panel 1	403101	-.5	1.3
Tie from 50-2	701801	.6	-1.5
"	701802	1.3	-1.9
"	701803	.2	-1.9
"	702801	.0	.0
"	702802	.3	-.8
"	702803	.0	1.7
"	703801	-.2	1.1
"	703802	-.2	.4
"	703803	-.8	1.2
"	704801	-.2	-1.7
"	704802	1.6	.0
"	704803	-.2	.2
Shepard, 1983 - Panel 5	388101	-.5	-.3
Strip 30-3A			
Stoney Point (USLS), 1874 Panel 9	433101	-1.6	.5
Tie from 50-4	752804	1.0	1.5
"	752805	1.2	-1.0
"	753805	-.7	-.9
"	753806	-1.5	-.7
"	754804	1.1	-.1
"	754805	-.4	-.1
"	754806	-.3	-.2
"	755804	-1.2	.7
"	755805	2.6	1.6
"	755806	-.2	.7
22601 - Panel 10	432100	-.5	.6
Tie from 50-6	756801	.8	-.9
"	756802	-.9	-.9
	756803	.0	-.3

Strip 30-3B

Tie from 50-4	757801	-.6	.6
"	757802	-.3	-.3
"	757803	1.6	.8
"	757810	-.7	-1.2
"	758811	.4	1.6
"	758812	-1.2	-.5
"	759807	.3	.1
"	759808	.4	.5
"	759809	.1	.3
"	760804	.3	1.1
"	760805	-1.0	1.2
"	760806	3.4	-2.6
Tie from 50-2	760807	.5	2.9
"	760808	.4	.4
"	760809	-.2	-.2
"	761807	-1.2	1.1
"	761808	.0	1.6
"	761809	.8	1.0
Tie from 50-4	762801	.9	-.2
"	762802	.8	-.5
"	762803	1.1	-.2
Tie from 50-2	762804	1.6	-.9
"	762805	.3	1.5
"	762806	.6	-1.0
"	763801	-1.1	.2
"	763802	-.7	-.5
"	763803	-.2	.6

Strip 30-4

Tie from 50-4	741801	-.8	-.7
"	741802	-.3	.7
"	741803	1.1	-.4
"	742801	-1.1	-.9
"	742802	.2	.0
"	742803	-.5	.3
"	743801	-.6	.6
"	743802	.3	2.3
"	742803	-.7	.1
"	744801	2.1	.9
"	744802	.9	-1.7
"	744803	.1	.1
"	745807	-1.5	.7
"	745808	-.1	.1
"	745809	-1.7	-1.3
"	746804	-.9	.1
"	746805	-.6	.5
"	746806	-.4	-.3
"	747801	.7	-.3
"	747802	.5	-.7
"	747803	1.6	.4

Ratio Values
CM-8302

1:50,000	Ratio
84Z 4355 thru 4363	2.52
84Z 4366 thru 4377	2.51
84Z 4385 thru 4391	2.51
84Z 4401 thru 4404	2.52
84Z 4413 thru 4419	2.52
84Z 4432, 4434, 4435, 4437, 4439	2.52

1:30,000	
84Z 4700 thru 4704	2.99
84Z 4722 thru 4729	3.00
84Z 4741 thru 4747	3.00
84Z 4752 thru 4763	2.99

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01230	CM-8302	N.A. 1927	Coastal Mapping Unit, AMC, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET (STATE: New York, ZONE: Central)	GEOGRAPHIC POSITION (φ LATITUDE, λ LONGITUDE)	REMARKS
PULASKI, 1942	Quad.430761 Sta. 1006	355100	x= 618,776.47 y= 1,295,198.87	φ 43 33 13.459 λ 76 08 07.033	
DERBY, 1942	Quad.430761 Sta. 1002	357100	x= 591,086.34 y= 1,285,591.10	φ 43 31 39.867 λ 76 14 23.592	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY R. R. Kravitz	DATE 8-30-85	LISTING CHECKED BY W. McLemore, Jr.	DATE 9-30-85
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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

COMPILATION REPORT

TP-01230

31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods. Instrument compilation was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation black-and-white photographs. All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate; however, in some areas glare on the water made the delineation of the shoreline, alongshore and offshore details difficult.

32 - CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated November 1984.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details were compiled from office interpretation of the photographs. The shoreline compiled was the visible line of contact between land features and the water surface at the time of photography. Based on the International Great Lakes Datum (1955), the water level taken at Cape Vincent, New York gage was 246.6 feet. Low Water Datum for Lake Ontario is 242.8 feet.

36 - OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in item #31.

37 - LANDMARKS AND AIDS

There was 1 charted landmark no charted aids within the mapping limits of this manuscript. The one landmark was verified photogrammetrically. Appropriate information was prepared on the 76-40 form and submitted with this map.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5, of the Descriptive Report.

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S.G.S. quadrangles:
Ellisburg, N.Y., dated 1958, scale 1:24,000
Pulaski, N.Y., dated 1956, scale 1:24,000

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:
14803, 23rd edition, dated April 7, 1984, scale 1:80,000,(1:20,000 inset)
14800, 26th edition, dated May 12, 1984, scale 1:400,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

Robert R. Kravitz

Robert R. Kravitz
Cartographic Technician
29 September 1985

Approved:

James L. Byrd, Jr.

James L. Byrd, Jr.
Chief, Coastal Mapping Unit

25

OCT 22 1985

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8302 (Lake Ontario, New York)

TP-01230

Bethel Corners
Blind Creek
Blind Creek Cove
Carl Island
Daysville Corner
Deer Creek
Deer Creek Marsh
Grindstone Creek
Lake Ontario
Little Salmon River
Little Sandy Creek
Mexico Bay
Mud Creek
North Pond
Port Ontario (locality)
Rainbow Shores
Ramona Beach (locality)
Sage Creek
Salmon River
~~Sand Pond~~ (locality) *Sandy Pond gkk*
Sandy Pond Corners
Selkirk
Snake Creek
South Pond
The Elms

Approved:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services

REVIEW REPORT
TP-01230
SHORELINE

61 - GENERAL STATEMENT

Refer to the Summary included in this Descriptive Report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale U.S.G.S. quadrangles:
Ellisburg, N.Y., dated 1958,
Pulaski, N.Y., dated 1956.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was conducted with this shoreline mapping project.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:
14803, 23rd edition, 1:80,000 scale (1:20,000 scale inset), April 7, 1984.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:

Jerry L. Hancock
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved:

Chief, Photogrammetric Section,
Rockville

Chief, Photogrammetry Branch,
Rockville

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

~~NONFLOATING 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)

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

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit AMC, Norfolk, VA	New York	Lake Ontario	Sept.1985

The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8302	TP-01230	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
ABAND LT HO	*	43 34	26.287	76 12	09.178	84 Z(P) 4369 5-24-84		14803
	*Position determined by aerotriangulation.							

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	Robert R. Kravitz	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ 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

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	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 POSITIONS are determined by field observations based entirely upon ground survey methods.

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

II. 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.

FORM C&GS-8352
(3-29-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. CM-8302, (TP-01230)

INSTRUCTIONS

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 Revie

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.