#### 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 Edition No. Map No. TP-01221 1 Job No. CM-8302 Map Classification CLASS III (FINAL) Type of Survey SHORELINE LOCALITY State NEW YORK General Locality LAKE ONTARIO Locality CHAUMONT TO 19 1984 REGISTERED IN ARCHIVES DATE

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE		SURVEY TP. 01221
(3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP.
	☑ ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	☐ RESURVEY	MAP CLASS III (Final)
	REVISED	<sub>ЈОВ</sub> <del>RM.</del> СМ-8302
PHOTOGRAMMETRIC OFFICE	LAST PRECEED	ING MAP EDITION
Coastal Mapping Unit, Atlantic	TYPE OF SURVEY	JOB PH
Marine Center, Norfolk, VA	ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE	☐ RESURVEY	SURVEY DATES:
	REVISED	19 TO 19
A. Y. Bryson, CDR	_ '	
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
Aerotriangulation October 18, 1984	Control	March 7, 1984
Compilation May 29; 1985		
II. DATUMS	.,	
THE DATE OF THE PARTY OF THE PA	OTHER (Specify)	
1. HORIZONTAL: XX 1927 NORTH AMERICAN		
MEAN HIGH-WATER	OTHER (Specify)	
MEAN LOW-WATER		1 Talan Batam (1055)
2. VERTICAL: MEAN LOWER LOW-WATER	International Grea	t Lakes Datum (1955)
MEAN SEA LEVEL		
3. MAP PROJECTION	4.	GRID(S)
Transverse Mercator Projection	New York	Central
	† · · · · · ·	
5. SCALE 1:10,000	STATE	ZONE
	STATE	ZONE
1:10,000	STATE	ZONE
1:10,000 III. HISTORY OF OFFICE OPERATIONS		
1:10,000 III. HISTORY OF OFFICE OPERATIONS OPERATIONS 1. AEROTRIANGULATION BY	NAME	DATE
1:10,000  III. HISTORY OF OFFICE OPERATIONS  OPERATIONS  1. AEROTRIANGULATION BY	NAME S. Solbeck	DATE Nov 1984
1:10,000  III. HISTORY OF OFFICE OPERATIONS  OPERATIONS  1. AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY  2. CONTROL AND BRIDGE POINTS PLOTTED BY	NAME S. Solbeck S. Solbeck	DATE Nov 1984 Nov 1984
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1:10,000  III. HISTORY OF OFFICE OPERATIONS  OPERATIONS  1. AEROTRIANGULATION BY METHOD: Analytic Landmarks and aids by  2. Control and bridge points Plotted by METHOD: Calcomp 718 CHECKED by  3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY  INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:10,000 CHECKED BY	NAME S. Solbeck S. Solbeck S. Solbeck D. Norman R. Kravitz W. McLemore, Jr. N.A. N.A.	DATE Nov 1984 Nov 1984 Nov 1984 Nov 1984 Jun 1985 Jun 1985
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NOAA FORM 76~36B (3~72)			_		ATMOSPHER	ENT OF COMMERCIC ADMINISTRATION
	ı	TP-01: COMPILATION			NATIO	NAL OCEAN SURV
. COMPILATION PHOTOGRA	PHY	<del></del>	<del></del>			
CAMERA(S) $(Z = 153.1)$	•	TYPES	OF PHOTOGRAPH	′	TIME RE	FERENCE
Wild R.C 10 (Z)				ZONE	:	
PREDICTED TIDES		(C) COL	OR CHROMATIC	<u> </u>	Eastern	TANDA!
REFERENCE STATION RE		(I) INFI		MERII		DAYL161
TIDE CONTROLLED SHOT			<del></del>		75th	
NUMBER AND TYPE	DATE	TIME	SCALE		, 82686EX	Level
4Z(P)4700-4703	5-27-84	13:37	1:30,00	246	5.6 feet	
4Z(P)4726-4729	5-27-84	13:49	1:30,00		5.6 feet	
10(1)1120 1720	5 2, 54	1 13.13	1.30,00	70   240	J.O #666	
		1				
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		<b>\</b>				
		- 1		-		
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EMARKS *Water leve	l at the time	of photogra	aphy is indic	ated as	recorded	from the
	ork gage. Low	Water Datu	ım for Lake (	ntario i	ls 242.8	feet.
ape Vincent, New Yo						
SOURCE OF MEAN HIGH-W	ATER LINE:					
2. SOURCE OF MEAN HIGH-W	ATERLINE: igh Water Line					
2. SOURCE OF MEAN HIGH-W The term "Mean Hi as the visible li	ATER LINE: igh Water Line ine of contact	on the pho	tographs bet	ween lar	nd and wa	ter.
2. SOURCE OF MEAN HIGH-W The term "Mean Hi as the visible li Delineation of th	ATER LINE: igh Water Line ine of contact ne shoreline w	on the phoas derived	otographs bet by photointe	ween lar rpretati	nd and wa	ter.
2. SOURCE OF MEAN HIGH-W The term "Mean Hi as the visible li	ATER LINE: igh Water Line ine of contact ne shoreline w	on the phoas derived	otographs bet by photointe	ween lar rpretati	nd and wa	ter.
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The term "Mean High-w The term "Mean High-w as the visible linguished to the period of the standard that the standard th	ATERLINE: igh Water Line ine of contact ne shoreline w -white compila	on the pho as derived tion/bridgi	otographs bet by photointe ing photograf	ween lar rpretati	nd and wa	ter.
2. SOURCE OF MEAN HIGH-W The term "Mean Hi as the visible li Delineation of th Iisted black-and-	ATERLINE: igh Water Line ine of contact ne shoreline w -white compila	on the pho as derived tion/bridgi	otographs bet by photointe ing photograf	ween lar rpretati	nd and wa	ter.
The term "Mean High-was the visible land to the property of the state	ATER LINE: igh Water Line ine of contact ne shoreline w -white compila	on the pho as derived tion/bridgi	otographs bet by photointe ing photograf	ween lar rpretati	nd and wa	ter.
The term "Mean High-w The term "Mean High-w as the visible linguished to the period of the standard that the standard th	ATER LINE: igh Water Line ine of contact ne shoreline w -white compila	on the pho as derived tion/bridgi	otographs bet by photointe ing photograf	ween lar rpretati	nd and wa	ter.
The term "Mean High-was the visible lineation of the listed black-and-standard black-and-	ATER LINE: igh Water Line ine of contact ne shoreline w -white compila	on the pho as derived tion/bridgi	otographs bet by photointe ing photograf	ween lar rpretati	nd and wa	ter.
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The term "Mean High-was the visible limeation of the listed black-and-listed black-and-street term is not the listed black and the list	ATER LINE: igh Water Line ine of contact ne shoreline w -white compila  ATER OR MEAN LOWE  applicable to	on the phoas derived tion/bridgi	otographs bet by photointe ing photograp	ween lar erpretati	nd and wa	ter. e above
as the visible libelineation of the Delineation of the Listed black-and- 3. SOURCE OF MEAN LOW-W.  This item is not	ATER LINE: igh Water Line ine of contact ne shoreline w -white compilar  ATER OR MEAN LOWE  applicable to	on the phoas derived tion/bridgi	otographs bet by photointe ing photograph INE:	ween lar rpretati	ammetric surve	ter. e above
2. SOURCE OF MEAN HIGH-W The term "Mean Hi as the visible li Delineation of th listed black-and- 3. SOURCE OF MEAN LOW-W This item is not	ATER LINE: igh Water Line ine of contact ne shoreline w -white compilar  ATER OR MEAN LOWE  applicable to	on the phoas derived tion/bridgi	otographs bet by photointe ing photograp	ween lar erpretati	ammetric surve	ter. e above
The term "Mean High-was the visible lineation of the listed black-and-listed black-and-listed black and the listed black.  This item is not the listed black and the listed black	ATER LINE: igh Water Line ine of contact ne shoreline w -white compilar  ATER OR MEAN LOWE  applicable to	on the phoas derived tion/bridgi	by photointe by photointe ng photograf	ween lar rpretati	ammetric surve	ter. e above
The term "Mean High-was the visible lineation of the listed black-and-disted black-and-disted black and the sitem is not survey number that number that is not survey number that number	ATER LINE: igh Water Line ine of contact ne shoreline w -white compilar  ATER OR MEAN LOWE  applicable to	on the phoas derived tion/bridgi	by photointe by photointe ng photograf	ween lar rpretati	ammetric surve	ter. e above
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2. SOURCE OF MEAN HIGH-W The term "Mean Hi as the visible 1: Delineation of th listed black-and-  3. SOURCE OF MEAN LOW-W This item is not	ATER LINE: igh Water Line ine of contact ne shoreline w -white compilar  ATER OR MEAN LOWE  applicable to	on the phoas derived tion/bridging the project the pro	by photointe by photointe ng photograf	e for photogra	emmetric surve	ter. e above

NOAA FORM 76-36C (3-72)		NATIONAL OCEA	NIC AND ATMOSPHERI	
,	TP-01221		NATION	AL OCEAN SURVE
	HISTORY OF FIELD	OPERATIONS		<u>.</u>
I. 🔯 FIELD INSPERI	ON OPERATION (Premarking)	DEDIT OPERATION		
	OPERATION	N	AME	DATE
1. CHIEF OF FIELD PA	ARTY	27 Malla - 14		7 1 7004
	RECOVERED BY	P. Walbolt P. Walbolt		July1984 May 1984
2. HORIZONTAL CONT		P. Walbolt		May 1984
	PRE-MARKED OR IDENTIFIED BY	C. Middleton	ì	May 1984
	RECOVERED BY	N.A.		
3. VERTICAL CONTRO	L ESTABLISHED BY	N.A.		
	PRE-MARKED OR IDENTIFIED BY	N.A.		
	RECOVERED (Triangulation Stations) BY	N.A.		
<ol> <li>LANDMARKS AND AIDS TO NAVIGATION</li> </ol>	LOCATED (Field Methods) BY	N.A.		<del></del>
	TYPE OF INVESTIGATION	N.A.	<del></del>	<del>- </del>
5. GEOGRAPHIC NAME				
INVESTIGATION	SPECIFIC NAMES ONLY			
	XX NO INVESTIGATION			-
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	N.A.		
7. BOUNDARIES AND L	IMITS SURVEYED OR IDENTIFIED BY	N.A.		
II. SOURCE DATA				
I. HORIZONTAL CONT		2. VERTICAL CON	TROL IDENTIFIED	
Premarked (Pa	neled)	None		
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DE	SIGNATION
j.	ORT, 1983 (Field Position) ub point paneled			
3. PHOTO NUMBERS (C	lavification of details)	<u> </u>		. <u> </u>
None	IDS TO MANICATION IDENTIFICATION			<del></del>
4. LANUMARKS AND AI	IDS TO NAVIGATION IDENTIFIED			
None				
PHOTO NUMBER	BMAN TORLEO	PHOTO NUMBER	OBJECT	NAME
<del></del>				
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		(		
		1		
		<b>j</b>		
5. GEOGRAPHIC NAME	S: REPORT XX NONE	6. BOUNDARY AND	LIMITS: REPO	RT X NONE
7. SUPPLEMENTAL MA			- ۱۰-۲۰ لیون	
None				
8. OTHER FIELD RECO 2 NOAA forms	ORDS (Sketch books, etc. DO NOT list date submit		•	
1 NOAA form 7	( Project Data	NOAA forms 7	5-63 -53 (CSI Cards	1
l NOAA form 7	~	TOPAL LOTIN 70	oo (Cor Cards	,

NOAA FOI (3-72)	RM 76-36D		TP-01221 RD OF SURVE		U.S. DEPARTMI C AND ATMOSPHERI	ENT OF COMMERCE C ADMINISTRATION
I. MANUSC	CRIPT COPIES	<del></del>				<del> </del>
	co	MPILATION STAGE	:s		DATE MANUSC	RIPT FORWARDED
	DATA COMPILED	DATE	RE	MARKS	MARINE CHART	HYDRO SUPPORT
Compi	lation complete	Ju <b>l</b> y 1985	Class III	Manuscript	None	None
Final R	eview, Class III	Oct. 1985	Final Clas	ss III Map	12/10/85	12/16/15
	ARKS AND AIDS TO NAVIGA		DATA BRANCU		<del></del>	<del></del>
1. REP	ORTS TO MARINE CHART D		DATA BRANCH			
(pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED		RI	EMARKS	
_2		12/16/85	Landmarks	and Aids to	Navigation f	or Charting
,						
2. 🔲	REPORT TO MARINE CHAR					
III. FEDE	REPORT TO AERONAUTICA RAL RECORDS CENTER DA		, AERONAUTICAL	L DATA SECTION.	DATE FORWARDED	:
	BRIDGING PHOTOGRAPHS;					
	CONTROL STATION IDENT					<b>.</b>
3. <u>KX</u>	SOURCE DATA (except for G ACCOUNT FOR EXCEPTION		port) AS LISTED	IN SECTION II, NO	AA FORM 76-36C.	
4 🗀	DATA TO FEDERAL RECO	RDS CENTER, DAT	E FORWARDED:	<u> </u>		<del></del>
IV. SURVI	EY EDITIONS (This section s	shall be completed ea	ach time a new ma:	p edition is registe	red)	<del></del>
	SURVEY NUMBER	JOB NUMBE	R		TYPE OF SURVE	
\$ECOND EDITION	2122 22 2022	(2) PH	ELD EDIT		MAP CLASS	ESURVEY
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71055	SURVEY NUMBER	JOB NUMBE	R	Π.	TYPE OF SURVEY	ISURVEY
THIRD EDITION	DATE OF PHOTOGRAPI	_ (3) PH	ELD EDIT	] "	MAP CLASS	-3UKYEY
FRILION			wr-			FINAL

NOAA FORM 76-36D

FOURTH

EDITION

SURVEY NUMBER

TP - \_\_\_\_\_\_\_(4)
DATE OF PHOTOGRAPHY

JOB NUMBER

PH - \_\_\_\_

DATE OF FIELD EDIT

□v.

RESURVEY

DFINAL

TYPE OF SURVEY

MAP CLASS

REVISED

□n.

□ m. □iv.

# SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

#### TP-01221

This 1:10,000 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 features the eastern shoreline of Chaumont Bay and Guffin Bay and defines the northern limit of the project. Map TP-01170 of project CM-8205 junctions with this map.

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 July 1985. Delineation of map detail was accomplished using stereo instrument methods based upon interpretation of the 1:30,000 scale mapping photographs.

Final review was performed at the Atlantic Marine Center in October 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-01221

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

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. <u>Supplemental Data</u>

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.

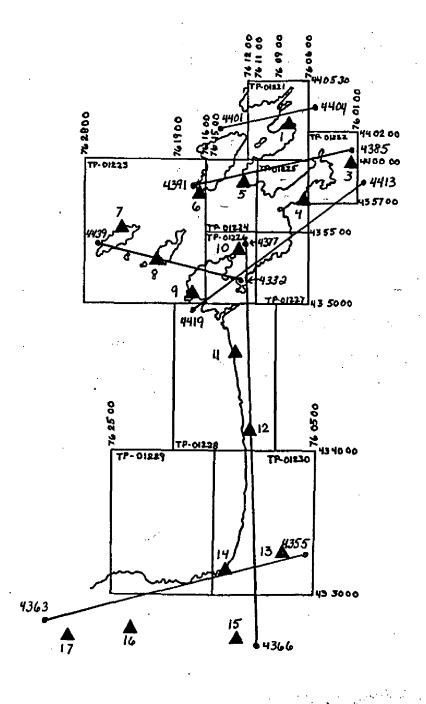
Approved and Forwarded:

Don O. Norman

Chief, Aerotriangulation Unit

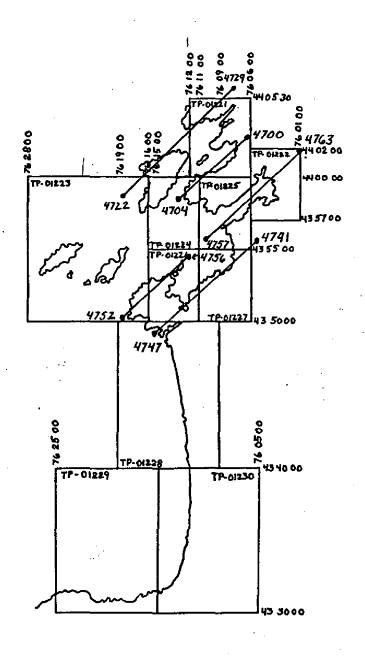
# AEROTRIANGULATION SKETCH CHAUMONT HARBOR TO NINE MILE PT NEW YORK CM-8302

1:50000 BRIDGING PHOTOGRAPHS 84Z(P)



# 

1:30000 Bridging Photographs 842 (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.	χ (Values i	Y n feet)
Strip 50-1		. ( • • • • • • • • • • • • • • • • • •	,
Tie From 50-2	401801	3	.5
a a	401802	.6	3
a	401803	-1.2	.4
n ·	402801	1.3	7
п	402802	5.2	-3.4
n ·	402803	1.0	-1.5
	403801	-1.0	7
u	403802	5	.7
и	403803	5	1.3
Mort, 1983 - Panel 1	403101	3	.5
Tie From 50-2	404801	7	1.2
n ·	404802	1.8	-1.0
انتي انتيا ا	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
. u	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
11	433802	.2	2.5
U	433803	6	2.8
Calf, 1984 - Panel 8	434100	-2.9	-4.0
Galloo (USLS), 1874 Panel 7	435100	1.1	1.1
<u>Strip 50-4</u>			
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
<u>Strip 50-5</u>			
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

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	1:30,000		
Station Name	Point No.	Х (Vala	Y in feet)
Strip 30-1		(values	in reet)
Cooper (USLS), 1874 Panel 6	389100	-1.3	.6
Tie from 50-2	722801	2	1
II .	722802	5	.1
п	723801	1.2	.2
II	723802	7	7
u	723803	.0	.2
	724804	9	.7
ii '	724805	.4	1
и	724806	1.8	3
Tie from 50-1	725801	.1	1.1
11	725802	.7	-1.0
ii .	725803	2	.0
14	726804	-1.0	1.5
II	726805	-1.0	.6
	726806	5	.3
ts	727804	3	.1
11	727805	·9	.5
li .	727806	.6	1.1
·	728804	.4	2
11	728805	4	0
11	728806	.7	.8
11	729801	1.2	3
11	729802	3	.3
n	729803	.0	5
Strip 30-2			
Tie from 50-1	700801	8	1.3
II	. 700802	6	1.0
a ·	700803	.0	4

403101	5	1.3
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
388101	5	3
433101	-1.6	.5
752804	1.0	1.5
752805	1.2	-1.0
<b>7</b> 53805	7	9
753806	-1.5	7
754804	1.1	1
<b>7</b> 54805	4	1
754806	3	2
755804	-1.2	.7
755805	2.6	1.6
755806	2	.7
432100	<del>-</del> .5	.6
756801	.8	9
756802	9	9
756803	.0	3
	701801 701802 701803 702801 702802 702803 703801 703802 703803 704801 704802 704803 388101  433101  752804 752805 753805 753805 753806 754804 755805 755806 432100 756801 756802	701801       .6         701802       1.3         701803       .2         702801       .0         702802       .3         702803       .0         703801      2         703802      2         703803      8         704801      2         704802       1.6         704803      2         388101      5         433101       -1.6         752804       1.0         752805      7         753806       -1.5         754804       1.1         754805      4         754806      3         755806      2         432100      5         756801       .8         756802      9

S	t	r	i	D	30-	3B

Tie from 50-4	757801	6	.6
ŧt	757802	3	3
11	757803	1.6	.8
11	757810	7	-1.2
ti .	758811	.4	1.6
It	758812	-1.2	5
)1	759807	.3	.1
10	759808	.4	.5
ii .	759809	.1	.3
u	760804	.3	1.1
n-	760805	-1.0	1.2
u 🧦	760806	3.4	-2.6
Tie from 50-2	760807	.5	2.9
tt-	760808	. 4	. 4
u	760809	2	2
п	761807	-1.2	1.1
u	761808	.0	1.6
11	761809	.8	1.0
Tie from 50-4	762801	.9	2
II .	762802	.8	5
n	762803	1.1	2
Tie from 50-2	762804	1.6	<b>-</b> .9
II.	762805	.3	1.5
u	762806	.6	-1.0
u	763801	-1.1	.2
u .	763802	7	-,5
11	763803	2	.6

~ .			~~	А
St	r٦	n	30-	4
J		v	JU-	7

Tie from 50-4	741801	8	7
tt	741802	3	.7
II	741803	1.1	4
II	742801	-1.1	9
tl	742802	.2	.0
	742803	<b></b> 5	.3
ij	743801	6	.6
11	743802	.3	2.3
u	742803	7	.1
. и	744801	2.1	.9
u	744802	.9	-1.7
	744803	.1	.1
#	<b>745807</b> .	-1.5	.7
n .	745808	1	.1
u	745809	-1.7	-1.3
н	746804	9	.1
ш	746805	6	.5
ti	746806	4	3
н	747801	7	3
11	747802	.5	7
n	747803	1.6	.4

# Ratio Values CM-8302

1:50,000	<u>Ratio</u>
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				NATIONAL OCEANO	NATIONAL OCFANIC AND ATMORPHISHED ADMINISTED	<u> </u>
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		SOLICE ISSUED CONTROLLED TO CO	<u> </u>
MAP NO.	JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY COASTAL Mapping	1
TP-01221	CM-8302		N.A. 1927	Unit, AMC,		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE New York ~ ZONE Central	GEOGRAPHIC POSITION	REMARKS	T
MORT, 1983	Field Position	403100	χ= η=	φ 44 01 29,3650 λ 76 07 06 6444		
			χ= ,,-			T
			χ <sub>2</sub>	<b>*</b>		Γ
		,	<i>β</i> =	**		_
			<i>π</i> χ	ф		[
			=ĥ	γ		
			<i>=</i> χ	ф		Γ
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			-χ	ф		Γ-
			=ħ	γ		İ
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			η=	γ		ļ
			χ=	φ.	·	
			<i>y</i> =	7		1
			=X	ф		
			-ĥ	٧		
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE	]
Listed BYR. R. Kravitz		DATE 6-12-85	LISTING CHECKED BY W. McLemore, Jr.		DATE 7-18-85	ı
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE	20
		SUPERSEDES NO	RSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	H IS OBSOLETE.		ı

#### COMPILATION REPORT

#### TP-01221

#### 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 1:30,000 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 are  $\frac{3}{2}$  charted landmarks and  $\frac{4}{2}$  charted navigational aids within the mapping limits of this manuscript. Among these,  $\frac{3}{2}$  landmarks and  $\frac{1}{2}$  aid were either located or verified photogrammetrically. Appropriate information was prepared on the 76-40 forms and submitted with this map.

#### TP-01221

# 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: Dexter, N.Y., dated 1958, photorevised 1982, scale 1:24,000 Chaumont, N.Y., dated 1958, scale 1:24,000.

# 47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts: 14811, 13th edition, dated April 28, 1984, scale 1:30,000 with 1:12,000 inset 14802, 27th edition, dated November 24, 1984, scale 1:80,000 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:

Cartographic Technician

11 July 1985

Approved:

James L. Byrd, Jr.

Chief, Coastal Mapping Unit

#### GEOGRAPHIC NAMES

#### FINAL NAME SHEET

CM-8302 (Chaumont Harbor to Nine Mile Point, N.Y.)

# TP-01221

Adams Cove Chaumont Chaumont Bay Chaumont River Cherry Island Crab Island Croyle Island Duck Bay Guffin Bay Guffin Creek Herrick Grove (locality) Horse Creek Independence Point Lake Ontario Point Salubrious Sawmill Bay AH Three Mile Bay Three Mile Creek 914 Three Mile Point

Approved:

Charles E. Harrington Chief Geographer

Nautical Charting Division

#### REVIEW REPORT TP-01221 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:
Dexter, N.Y., dated 1958, photorevised 1982
Chaumont, N.Y., dated 1958.

#### 64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was conducted prior to this shoreline mapping project.

#### 65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts: 14811, 13th edition, 1:30,000 scale, April 28, 1984 14802, 27th edition, 1:80,000 scale, November 24, 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:

Jumy L. Hancock Final Reviewer

Approved for forwarding:

Billy H. Barnes

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved:

Chief, Photogrammetric Section,

Rockv111e

Chief, Photogrammetry Branch, Rockville

NOAA FORM 76-40	40				LAN	FIONAL OCE	D ON A CINA	S. DEPARTA	LENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567	:m 567.	MONATLOCK	TANKO MAK	25.09R.LAN	DMARKS	FOR CH	\RTS		MONEROREME ALDEROR LANDMARKS FOR CHARTS	HYDROGRAPHIC PARTY GEODETIC PARTY DHOTO EIFLD DABTY	ARTY
RX TO BE CHARTED TO BE REVISED		REPORTING UNIT If ield Perty, Ship or Office) Coastal Mapping Unit	/ Jnit	STATE		LOCALITY			DATE		V    Y
TO BE DELETED		AMC, Norfolk, VA New York Lake Ontario		New Yor	, الخ	Lake O	ntario		July 1985	COAST PILOT BRANCH	L & REVIEW GRP RCH
The following objects		VE HAVE NOT XX	been insp	ected from se	award to de	termine the	ir value as	landmarks.		(See reverse for respons	ible personnel)
OPR PROJECT N		OB NUMBER	SURVEY N	UMBER.	DATUM	N.A. 1	1927		METHOD AND DATE OF LOCATION	F OF LOCATION	
		CM-8302	TP-0	TP-01221 Ž		POSITION	NOI		(See instructions on reverse side)	on reverse side)	CHARTS
		DESCRIPTION	z		LATII	LATITUDE	LONGITUDE	TUDE			AFFECTED
CHARTING	(Record reas	(Record reason for defetion of landmerk or eld to nevigation. Show triangulation station names, where applicable, in perentheses	k or aid to n • applicable,	avigation. in perentheses	,	// D.M. Meters	, ,	// D.P. Meters	OFFICE	FIELD	ļ
TANK ' FR	*At Ch	Chaumont	,		44 04	05.634	, 20 92	51,575	842(P) 4728 5-27-84		14802
silo '	*At He	Herrick Grove			44 03	38.020	76 11	24,753	842 (P) 4726 5-27-84	-	14802 14811
SILO	At Duck	Bay, taller	of two.		44 03	59.1	76 10	20.0	842 (P) 4727 5-27-84		14802 1 <b>4</b> 811
	*Position	tion determined by		aerotriangulation.	tion.					_	
		Tipe -									
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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	WE	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	;		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (\$pecify)
F-ÚSII IONS DETERMINED AND/OR VERIFIED	Robert R. Kravitz		FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			E REVIEWER  QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER (Consult Photogramme	FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE  1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the bject.  EXAMPLE: 75E(C)6042 8-12-75	cATED OBJECTS e (including month, otograph used to bject.	FIELD (Cont'd)  B. Photogrammetric field entry of method of lodate of field work an graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C) 2982	Cont'd) 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
I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbol F - Field L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field ident 2 - Traverse 6 - Theodolite	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	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a angulation station is recovered, enter Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75	TRIANGULATION STATION RECOVERED When a landmark or aid which is also a tri- angulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec.
3 - Intersection 7 - 4 - Resection 8 - A. Field positions* required in and date of	Intersection 7 - Planetable Resection 8 - Sextant Field positions* require entry of method of location and date of field work.	<pre>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V+Vis.' and date. EXAMPLE: V-Vis. 8-12-75</pre>	SUALLY ON PHOTOGRAPH
EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ned by field obser- ground survey methods.	**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	SITIONS are dependent oon control established ods.

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

NOAA FORM 76-40 (8-74)

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)	CTIVITY	181Y 17	IVITY	. RREVIEW GRP.	ible personnel)			CHARTS	AFFECTED			14811	•					i						
	ORIGINATING ACTIVITY	HYDROGRAPHIC PARTY GEODETIC PARTY HOTO FIELD PARTY	EX COMPILATION ACTIVITY	OUALITY CONTROL & REVIEW GRP.	(See reverse for responsible personnel)		E OF LOCATION	on reverse side)		FIELD														
	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		DATE	July 1985			METHOD AND DATE OF LOCATION	(See instructions on reverse side)		OFFICE	84Z(P) 4702	5-27-84												
	S. DEPARTI				· landmarks.				LONGITUDE	D.P. Meters	12.768								1					
	U ANIC AND	ARTS		Lake Ontario	ir value as	. `		NO.	LONG	•		76 11									,			
<b>)</b> .	IONAL OCE	FOR CH	LOCALITY	Lake	ermine the		A. 1927	POSITION	UDE	D.M. Meters	51::944													
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		ATING A	30) Tln:+	A	🔀 been in	SURVEY NUMBER	TP-		NO1	ark or ald to lore applicab			_	Āq					·			ē		
		NONFLOATING AIDS X	REPORTING UNIT (Field Perty, Ship or Office) (Coastal Manning Imit	AMC, Norfolk, VA	HAVE HAVE NOT E	JOB NUMBER	CM=8302		DESCRIPTION	(Record reason for defetton of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses)		*Cherry Island Light		*Position determined by	aerotriangulation.									
	.40	m 567.			ects H					Record rei		*Cher		*Posi	aerc					į	 			
	NOAA FORM 76-40 (8-74)	Replaces C&GS Form 567.	XX TO BE CHARTED	TO BE DELETED	The following objects	OPR PROJECT NO.				CHAKE		LIGHT				-				•				

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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	AE	ORIGINATOR
	÷		PHOTO FIELD PARTY  HYDROGEAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD			GEODETIC PARTY
	-		OTHER (Specify)
CALL COME DETERMINED AND COR VERIFIED			FIELD ACTIVITY REPRESENTATIVE
	Robert R. Kravitz		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		•	TREVIEWER  QUALITY CONTROL AND REVIEW GROUP  REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER	FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64)	•
OFFICE (DENTIFIED AND LOCATED OBJECTS	OCATED OBJECTS	FIELD (Cont'd)  B. Photogrammetric fie	(Cont'd) Photogrammetric field positions** require
Enter the number and date (including month, day, and year) of the photograph used to	te (including month,		entry of method of location or verification, date of field work and number of the photo-
identify and locate the bject. EXAMPLE: 75E(C)6042 8-12-75	bject.	graph used to locate EXAMPLE: P-8-V 8-12-75 741 (0) 2982	graph used to locate or identify the object.  EXAMPLE: P-8-V 8-12-75 741(C)2982
FIELD	4	CATOLATO MOSTA MONESCE	
I. NEW POSITION DELEKMINED OK VEKIFIED Enter the applicable datá by symbol F - Field	NED UK VEKIFIED ; datá by symbols as follows: P - Photogrammetric	ii. iKIANGULATION STATION RECOVERED When a landmark or aid which is also a andulation station is recovered, enter	v RECOVERED id which is also a tri- s recovered, enter 'Triang.
- O	- Visually	th date of	
ation 5 -		8-12-75	
z - Iraverse 3 - Intersection 7 -	neodolite Planetable	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH	SUALLY ON PHOTOGRAPH
- Resection	Sextant	Enter 'V*Vis.' and date.	ite.
A. Field positions* requ location and date of	Field positions* require entry of method of location and date of field work.		
EXAMPLE: F-2-6-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent	SITIONS are dependent
*FIELD POSITIONS are determined by field obser-vations based entirely upon ground survey methods.	ined by field obser- ground survey methods.	by photogrammetric methods.	ods.

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SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND Existing stock should be destroyed upon receipt of revision, \$\times\$ U.S.GPO:1975-0-665-080/1155

NOAA FORM 76-40 (8-74)

#### NAUTICAL CHART DIVISION

## **RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. CM-8302 (TP-01221)

#### 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 Viz
			Drawing No.
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