

NOAA FORM 76-35
(6-80)

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

DESCRIPTIVE REPORT

THIS MAP WILL NOT BE FIELD EDITED

Map No. TP-01171	Edition No. 1
Job No. CM-8205	
Map Classification CLASS III FINAL	
Type of Survey SHORELINE	
LOCALITY	
State NEW YORK, USA--ONTARIO, CANADA	
General Locality ST. LAWRENCE RIVER	
Locality GRINDSTONE ISLAND	
19 82 TO 19	
REGISTERED IN ARCHIVES	
DATE	

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP. 01171MAP EDITION NO. (1)MAP CLASS III FinalJOB CM-8205

DESCRIPTIVE REPORT - DATA RECORD

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Unit
Atlantic Marine Center, Norfolk, VA
OFFICER-IN-CHARGE

A. Y. Bryson, CDR

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH-MAP CLASS

SURVEY DATES:

19 TO 19

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation February 15, 1984
Compilation October 31, 1984

2. FIELD

Control May 24, 1983

II. DATUMS

1. HORIZONTAL:

☒ 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

Traverse 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	BY	L. Harrod, Jr.	July 1984
METHOD: <u>Analytic</u>	LANDMARKS AND AIDS BY	L. Harrod, Jr.	July 1984
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	L. Harrod, Jr.	July 1984
METHOD: <u>Calcomp 718</u>	CHECKED BY	D. Norman	July 1984
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	R. Kravitz	Oct. 1984
COMPILATION	CHECKED BY	W. McLemore, Jr.	Oct. 1984
INSTRUMENT: <u>Wild B-8</u>	CONTOURS BY	N.A.	
SCALE: <u>1:20,000</u>	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Kravitz	Oct. 1984
	CHECKED BY	W. McLemore, Jr.	Nov. 1984
METHOD: <u>Smooth drafted</u>	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
SCALE: <u>1:20,000</u>	HYDRO SUPPORT DATA BY	N.A.	
	CHECKED BY	N.A.	
5. OFFICE INSPECTION PRIOR TO REVISION <u>Final Review</u>	BY	W. McLemore, Jr.	Nov. 1984
6. APPLICATION OF FIELD EDIT DATA	BY	N.A.	
	CHECKED BY	N.A.	
7. COMPILATION SECTION REVIEW <u>Class III</u>	BY	W. McLemore, Jr.	Nov. 1984
8. FINAL REVIEW <u>Class III</u>	BY	L. O. Neterer, Jr.	Jan. 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	L. O. Neterer, Jr.	Feb 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	J. Schad	March 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Kornspan	April 1985

TP-01171
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10(B) (B=152.74 mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	☒ STANDARD ☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
82B(C)9447-9451	Oct. 24, 1982	11:50	1:50,000	243.9 ft.	
82B(C)9357-9362	Oct. 24, 1982	09:45	1:50,000	243.9 ft.	

REMARKS Water levels at the time of photography are indicated as they were recorded from the Cape Vincent, New York gage.

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 photo interpretation of the above listed color compilation/bridging photographs.

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

Not Applicable

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
No Survey	TP-01173	No Survey	TP-01169

REMARKS

TP-01171

HISTORY OF FIELD OPERATIONS

- I. ☒ FIELD INSPECTION OPERATION (photo identification) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	July 1983
2. HORIZONTAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
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 ☒ 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

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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)

3 NOAA forms 76-52
3 NOAA forms 76-156 Cover entire project

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Nov. 1984	Class III Manuscript		
No field edit was performed on this sheet prior to Final Review	Jan. 1985	Class III Map (Final)	March 1985	March 1985

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		March 1985	Landmarks for charting
2		March 1985	Aids to navigation 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 76-36D SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

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

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

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01171

This 1:20,000 scale shoreline map is one of eight maps of project CM-8205, St. Lawrence River, Cape Vincent to Brockville, New York.

This project encompasses both the Canadian and United States sides of the St. Lawrence River, from Kingston, Ontario longitude $76^{\circ}34'00''$ east to Brockville, Ontario longitude $75^{\circ}40'00''$.

Photographic coverage was provided in October 1982 for aerotriangulation and compilation with the "B" camera (focal length 152.74 mm) at 1:50,000 and 1:30,000 scale. The 1:30,000 scale photography was not provided.

Field work prior to compilation accomplished in July 1983 involved the identification of horizontal control by photo-identification techniques to meet aerotriangulation requirements.

Analytic aerotriangulation was performed at the Washington Science Center in July 1984.

Compilation was performed at the Atlantic Marine Center from office interpretation of the 1982 color photography in October 1984.

No international boundary line was compiled on this map.

Final review was performed at the Atlantic Marine Center in December 1984. This map is to be registered as a Final Class III map.

This descriptive report is comprised of all information pertinent to the construction of this map.

The original base manuscript and all relevant data was forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-01171

There was no complete 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, and a cursory shoreline inspection.

PHOTOGRAMMETRIC PLOT REPORT
CM-3205
ST. LAWRENCE RIVER, NEW YORK

JULY 23, 1984

21. AREA COVERED

The area covered by this report is in the vicinity of the St. Lawrence River from Cape Vincent eastward to Brockville, New York. It is covered by eight 1:20,000-scale manuscripts, TP-01168-TP-01175.

22. METHOD

Four strips of 1:50,000-scale photography were bridged by analytic aero-triangulation methods. Original negatives were used in lieu of film positives. Strip 50-4 was adjusted to ground on the New York State Plane Coordinate System, New York Central Zone, using our Analytic Strip Adjustment program. Strips 50-1, 50-2, and 50-3 were adjusted by means of the block adjustment method. Photoidentified horizontal control stations were provided. Aids and landmarks were located on bridging photographs. Ratio values were determined for the 1:50,000-scale bridging photographs. Ruling of manuscripts and plotting of points were done on the Calcomp 718 plotter.

23. ADEQUACY OF CONTROL

The horizontal control provided was adequate but sparse. Tie points were used to supplement photoidentified control. The project will meet National Standards of Map Accuracy. There seemed to be several discrepancies involving station names. It seems that some of the names differ slightly between our key index on our project diagram and the report from the I.B.C. (International Boundary Commission). We decided to key our Descriptive Report Control Record (Form 76-41) to the I.B.C. report No. 5.

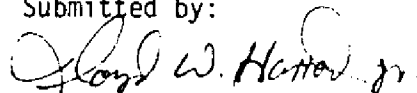
24. SUPPLEMENTAL DATA

Vertical control was taken from USGS quads.

25. PHOTOGRAPHY

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

Submitted by:



Lloyd W. Harrod, Jr.

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Unit

ST. LAWRENCE RIVER, NEW YORK
CM-8205

FIT TO CONTROL - X AND Y IN FEET

BLOCK ADJUSTMENT - STRIPS 1, 2, AND 3

		<u>X</u>	<u>Y</u>
1	150 (IWC) (Morristown Point-U.S.L.S.) New York 1873		
	Sub Pt. 2 (438101)	-1.1	-0.1
	Sub Pt. 1 (438102)	1.2	1.8
	Bay State Shoal, Light New York, 1940		
	(442142)	0.6	-0.4
2	Reference Monument 60, New York 1911		
	Sub Pt. 1 (442101)	1.8	4.5
	Sub Pt. 2 (442102)	-0.6	3.4
	Bridge Island, Light Ontario 1940	(443151)	3.5
			-0.3
4	Shak Fr. Lt.	(385100)	-2.1
		(385101)	-1.7
			-5.7
			-7.2
5	Nine Mile Point Light	(457100)	-1.1
		(457101)	1.8
		(457102)	-3.9
			5.4
			5.1
			7.5
	Sister Island Light New York 1940	(354141)	2.4
			-3.1
	Sunken Rock Light U.S.L.S. New York 1933		
	(356155)	2.1	-7.9
	Sunken Rock Shoal Light U.S.L.S.		
	New York 1933	(356154)	-8.1
			-6.8
3	X Sub New York 1940	Sub Pt. 1 (357101)	-1.0
		Sub Pt. 2 (357102)	-3.3
			-4.7
			-4.4
	Lindoe Island Light Ontario 1940	(357155)	-13.0
			7.2
	Clayton Municipal Standpipe, 1942	(360142)	-0.8
			-6.3
	Bartlett Point Light (U.S.L.S.)		
	New York 1933	(360151)	3.7
			-4.1
	Wolf Island Light, Ontario 1940	(361151)	-1.2
			-6.7
6	Tibbetts Point Lighthouse (U.S.L.S.)		
	New York 1872	(377100)	0.3
		(377101)	- .3
		(377102)	-1.0
			-4.8
			1.3
			-2.1

STRIP 4

Strip Adjustment

			<u>X</u>	<u>Y</u>
▲ 7	Marskell, 1983	Sub Pt. 2 (465101)	-0.6	-0.04
		Sub Pt. 1 (465102)	1.0	-0.7
▲ 8	Mort, 1983	Sub Pt. 1 (373101)	-0.9	0.6
		Sub Pt. 2 (373102)	-4.0	1.8
▲ 9	Dexter 2, 1946	Sub Pt. 1 (469101)	-0.2	1.3
		Sub Pt. 2 (469102)	0.2	-0.2
▲	Tie	(463801)	-0.4	0.3
	Tie	(463802)	-1.7	3.2
	Tie	(463803)	-2.5	2.1

▲ Stations held in the Strip Adjustments

//

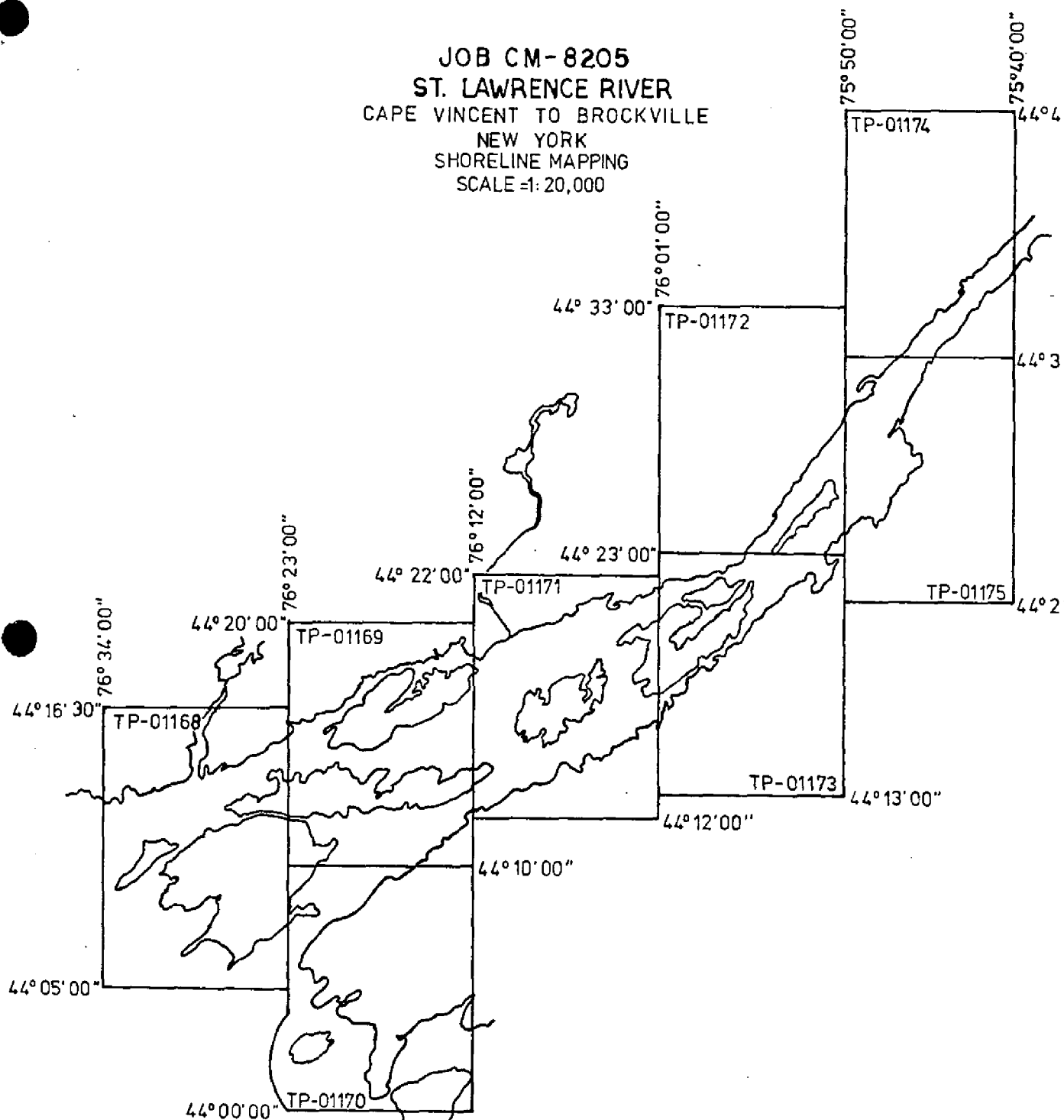
ST. LAWRENCE RIVER, NEW YORK
CM-8205

July 1984

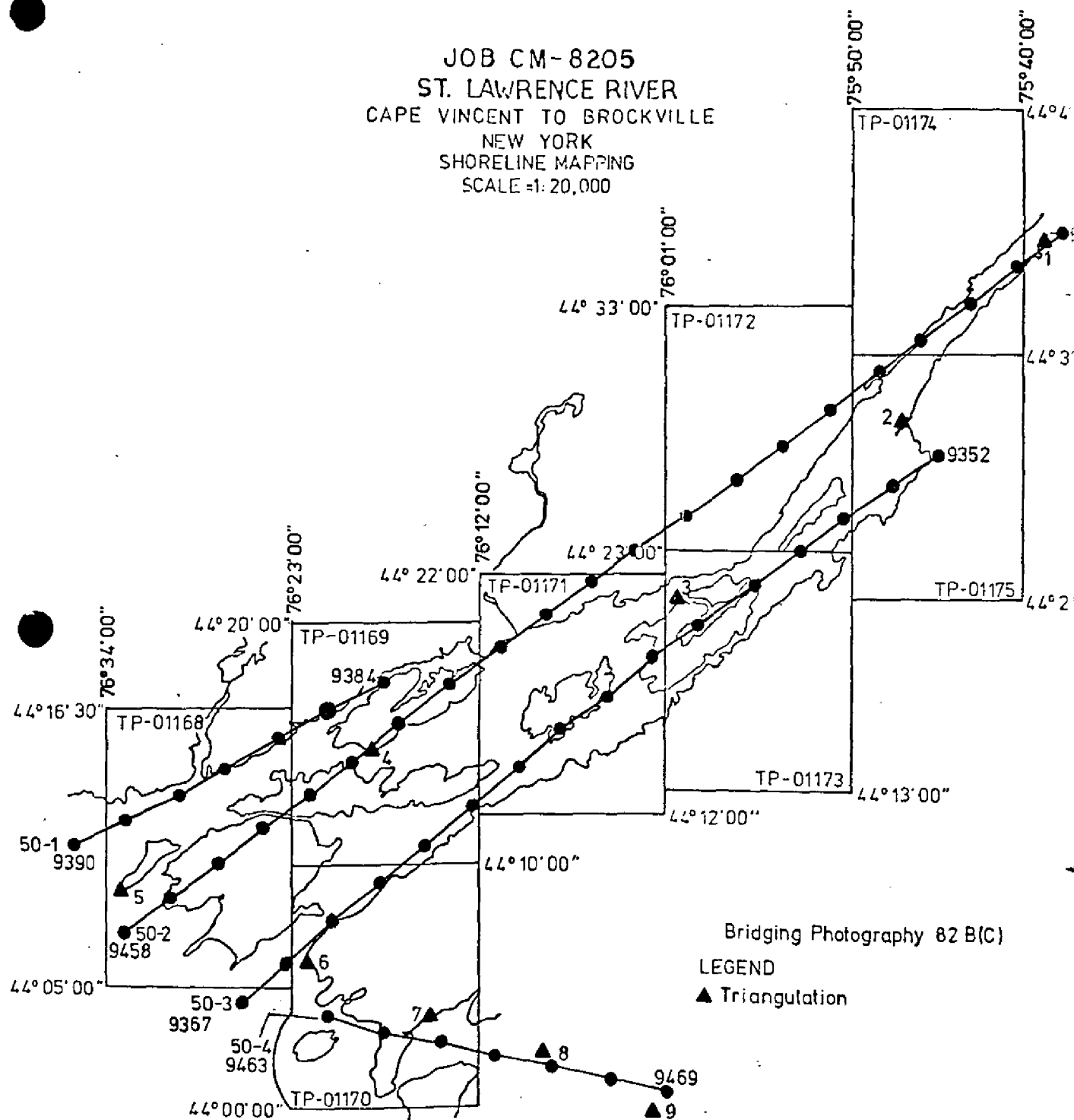
Ratio values for 1:50,000-scale color bridging photography.

82-B(C) 9438-9458	X2.51
9352-9367	X2.51
9384-9390	X2.52
9463-9469	X2.52

JOB CM-8205
ST. LAWRENCE RIVER
CAPE VINCENT TO BROCKVILLE
NEW YORK
SHORELINE MAPPING
SCALE = 1: 20,000



JOB CM-8205
ST. LAWRENCE RIVER
CAPE VINCENT TO BROCKVILLE
NEW YORK
SHORELINE MAPPING
SCALE = 1:20,000



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	CM-8205	GEODETTIC DATUM		ORIGINATING ACTIVITY		
			1927 N.A.	Unit, AMC, Norfolk, VA			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			STATE	Zone	ϕ LATITUDE	λ LONGITUDE	
CLAYTON MUNICIPAL STANDPIPE, 1942	Quad 440762 Sta 1006	76	X=		ϕ 44° 14' 08.860"		
			Y=		λ 76° 05' 11.920"		
CLAYTON, ST. MARYS CATHOLIC CHURCH, SPIRE, 1942	Quad 440762 Sta 1009	76A	X=		ϕ 44° 14' 19.021"		
			Y=		λ 76° 05' 11.633"		
BARTLETT POINT, LIGHT (USLS), 1933	IBC pos 221	88	X=		ϕ 44° 14' 21.886"		
			Y=		λ 76° 06' 29.942"		
WOLFE ISLAND, LIGHT (IBC), 1940	IBC pos 229	93	X=		ϕ 44° 14' 19.636"		
			Y=		λ 76° 11' 03.976"		
THOUSAND ISLANDS PARK, STANDPIPE, 1942	Quad 440762 Sta. 1017	72	X=		ϕ 44° 17' 24.775"		
			Y=		λ 76° 01' 32.677"		
JACKSTRAW SHOAL, LIGHT (IBC), 1940	IBC pos 229	82	X=		ϕ 44° 19' 31.286"		
			Y=		λ 76° 07' 10.832"		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
COMPUTED BY			COMPUTATION CHECKED BY				DATE
LISTED BY	R. Kravitz		LISTING CHECKED BY		W. McLemore, Jr.		DATE 10/31/84
HAND PLOTTING BY			HAND PLOTTING CHECKED BY				DATE

COMPILATION REPORT

TP-01171

31 - DELINEATION

Stereo instrument compilation methods were used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation color photographs. All photographs used to compile this map are listed on NOAA Form 76-36B. The photography was adequate.

32 - CONTROL

Refer to the Photogrammetric Plot Report dated July 23, 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 243.9 feet.

36 - OFFSHORE DETAILS

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

37 - LANDMARKS AND AIDS

Appropriate 76-40 forms are submitted with this report.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

TP-01171

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangles: Clayton, NY, dated 1958, scale 1:24,000; Gananoque, Ont.-NY, dated 1958, scale 1:24,000; Saint Lawrence, NY, dated 1958, scale 1:24,000; and Thousand Island Park, NY, dated 1958, scale 1:24,000.

A comparison was made with the following Canadian Dept. of Energy, Mines and Resources Quadrangles: Gananoque, Ontario-NY, 31C/8B, dated 1972, scale 1:25,000; St. Lawrence, Ontario-NY, 31C/1g, dated 1972, scale 1:24,000; Halsteads Bay, Canada-USA, 31C/8a, dated 1977, scale 1:25,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 14774, 13th edition, dated April 17, 1982, scale 1:15,000; 14773, 13th edition, dated August 7, 1982, scale 1:15,000; 14772, 13th edition, dated July 31, 1982, scale 1:15,000; 14766, 27th edition, dated July 3, 1982, scale 1:30,000 with 1:10,000 scale inset; 14767, 16th edition, dated September 25, 1982, scale 1:30,000; and 14802, 26th edition, dated March 28, 1981, scale 1:80,000.

A comparison was made with Canadian Hydrographic Service Charts: 1419, scale 1:25,000, 42nd edition, dated October 19, 1984; and 1420, scale 1:25,000, 33rd edition, dated August 17, 1984.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

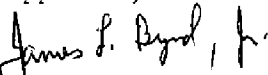
ITEMS TO BE CARRIED FORWARD

None.

Submitted by,


Robert R. Kravitz
Cartographic Technician
October 31, 1984

Approved,


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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8205 (St. Lawrence River, New York)

TP-01171

Abercrombie Island	Champagne Island
Admiralty Islands	Champagne Point
Apoahagui Island ^{from}	Cherry Island
Arabella Island	Chub Island
Astounder Island	Clayton
Aubrey Island	Club Island
Aunt Janes Bay	Cob Island
Axeman Island ^{from}	Codfish Island
Barge Island	Collier Island
Barrett Creek	Cordwood Point
Bartlett Point	Corn Island
Basswood Island	Cross Point
Beaurivage Island	Cummings Point
Beauvais Point	Cunliffe Island
Belabourer Island	Curtis Island
Big Gull Island	Dark Island
Bishops Point	Davis Island
Black Ant Island	Deathdealer Island
Blackduck Island	Delaney Bay
Blanket Island	Dobbs Island
Blind Bay	Downie Island
Bloodletter Island	Dumfounder Island
Bluff Island (1)	Eagle Wing Group
Bluff Island (2)	Eel Bay
Boscobel Island	Endymion Island
Bostwick Island	Fair Point
Bouchier Island	Flat Huckleberry Island
Braddon Point	Flatiron Island
Bradley Point	Flynn Bay
Buck Bay	Forsyth Island
Burnt Island	Fort Wallace Island
Calumet Island	French Creek
Camelot Island	French Creek Bay
Canadian Middle Channel	Frontenac
Canadian National (RY)	Gananoque
Canoe Point	Gananoque Narrows
Carrier Bay	Gananoque River
Castle Francis Island	Garrett Point
Cedar Point	Gig Island

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8205 (St. Lawrence River, New York)

TP-01171

Gillespies Point FTM

Goose Bay

Gordon Island

Governors Island

Grandview Park (locality)

Grays Creek

Grenell

Grenell Island

Grindstone Island

Grossman Point

Gull Island

Gull Rock (1)

Gull Rock (2)

Halfmoon Bay

Halsteads Bay

Halsteads Bay (locality)

Hambly Island

Hay Island

Hemlock Island

Hickey Island

Hickory Island

Hog Island

Horseblock Point FTM

Hub Island

Huckleberry Island

Irwin Point

Island 86

Island 5

Island 70

Island 6

Island 65

Jackstraw Island

Jolly Island

Juniper Island

Kalaria Island

Kitsymerie Island FTM

Knights Creek FTM

Lancaster Island

Landons Bay

LaSalle Island

Leek Island

Lees Island

Legges Creek

Lemon Island

Lindsay Island

Lindsay Point

Little Basswood Island

Little Gull Island

Little Huckleberry Island

Little Round Island

Long Rock Island

McDonald Island

McRay Point

Mainshore Point

Maple Island

Mason Point

Mead Island

Mermaid Island

Minota Island

Moneysunk Island

Mosquito Island

Mudlunta Island

Mulcaster Island

Murdoch Point

Murray Isle

Netley Island

New York

Niagara Island

Ninette Island

North Colborne Island

North Crawford Island

O'Connor Island

Ogden Island

Ontario

Ormiston Island

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8205 (St. Lawrence River, New York)

TP-01171

Otty Island
Owen Island
Papoose Island
Peach Island
Perch Island
Picnic Point
Picton Island
Pike Island
Pine Island
Pitchpine Island
Plumtree Marsh FTM
Point Angiers
Polaris Island
Popham Island
Potato Island
Potter Island
Prince Regent Island
Princess Charlotte Island
Psyche Island
Pullman Island FTM
Quebec Head FTM
Ramsden Island
Redhorse Island
Rich Island
Robinson Group
Rock Island
Rockland Island
Rock West

Round Island
Rowley Island
Rusho Bay
Sagistawika Island
St. Lawrence River
Sargent Island
Sawmill Bay
Scorpion Island
Seven Pines Island
Shipmans Point
Sir William Island
Sisters Island
Sisters Islands
Smugglers Island
Snake Island
South Bay FTM
Spectacles Rocks FTM
Spicer Bay
Spilsbury Island
Squaw Island
Squaw Point
Stave Island
Steele Point
Stocking Hill Creek
Sturdivants Point
Sugar Island
Sundown Island
Swiftwater Point

GEOGRAPHIC NAMES

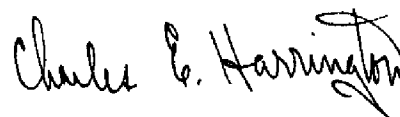
FINAL NAME SHEET

CM-8205 (St. Lawrence River, New York)

TP-01171

The Lake Fleet Islands
The Narrows
The Navy Islands
The Punts
Thousand Island Park (locality)
Thurso Bay
Tidd Island
Tremont Park Island
Troughton Island
Twin Island
Washington Island
Watch Island (1)
Watch Island (2)
Webster Point
Wellesley Island
West Crawford Island
Whiskey Island
White Calf Islands *fm*
Whitehouse Marsh
Windward Island
Wolfe Island
Woronoco Island
Wyoming Island
Ynyscrag Island
Grindstone *fm*

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT TP-01171

SHORELINE

61 GENERAL STATEMENT

See Summary included with this report.

62 COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following U.S.G.S. Quadrangles: Clayton, New York, Saint Lawrence, New York, Thousand Island Park, New York, Gananoque, Ontario-New York. All are 1:24, 000 scale and dated 1958.

A comparison was made with the following Canadian Department of Energy, Mines and Resources Quadrangles:

Gananoque, Ontario-New York, 31C/8b, Saint Lawrence, Ontario-New York, 31C/1g both dated 1972 and Halstead Bay, Canada-United States, 31C/81 dated 1977. All three are 1:25,000 scale.

64 COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There is no contemporary hydrographic survey within the limits of this map.

65 COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following N.O.S. Charts:

14766, 27 edition, dated July 3, 1982, Scale 1:30,000, 14767, 16th edition dated September 25, 1982, scale 1:30,000, 14772 13th edition, dated July 31, 1982 scale 1:15,000, 14773, 14773, 13th edition dated August 7, 1982, scale 1:15,000, 14774, 13th edition, dated April 17, 1982, scale 1:15,000 14802, 26th edition, dated March 28, 1981, scale 1:80,000.

A comparison was made with Canadian Hydrographic Service Charts:

1419, scale 1:25,000, 42nd edition, dated October 19, 1984 and 1420 scale 1:25,000, 33rd edition dated August 17, 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.

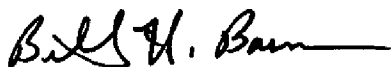
-2-

Submitted by,



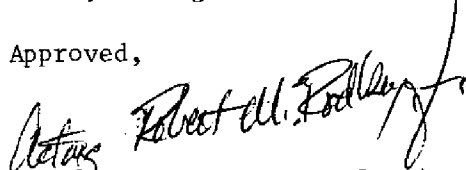
Lowell O. Neterer, Jr.
Final Reviewer
January 22, 1984

Approved for forwarding,

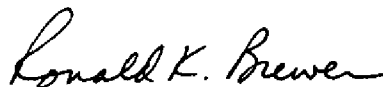


Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,



Chief, Photogrammetric Section, Rockville



Chief, Photogrammetry Branch,
Rockville

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)

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

REPORTING UNIT
(If field party, ship or office)
Coastal Mapping Unit
AMC, Norfolk, VASTATE
New YorkLOCALITY
St. Lawrence RiverDATE
10/84

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-8205

TP-01171

N. A. 1927

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

FIELD

CHARTS
AFFECTED

CHARTING
NAME

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

LATITUDE

LONGITUDE

FIELD

CHARTS
AFFECTED

LIGHT

Beaurivage Island Light

44 18

08.97

76 11

27.33

82B(C)9450
10-24-8214767
14774

LIGHT

Spectacles Shoal Light

44 18

40.14

76 11

01.40

82B(C)9450
10-24-8214767
14774

LIGHT

Jackstraw Shoal Light
(Jackstraw Shoal Light (IBC), 1940)

44 19

31.286

76 07

10.832

82B(C)9449
10-24-8214766
14767
14773

LIGHT

The Punts Light

44 17

56.76

76 07

49.80

82B(C)9360
10-24-8214767
14884

LIGHT

#*
Astouder Island Light

44 18

40.32

76 05

47.70

82B(C)9359
10-24-8214766
14767
14773

LIGHT

Gananoque Narrows Light

44 19

27.82

76 04

51.90

82B(C)9359
10-24-8214766
14773

LIGHT

#*
Gananoque Narrows West Light

44 19

31.26

76 04

57.17

82B(C)9359
10-24-8214766
14773

LIGHT

#*
Prince Regent Island Light

44 19

28.28

76 05

18.96

82B(C)9359
10-24-8214766
14733

LIGHT

St. Lawrence Seaway Light 219

44 15

30.88

76 03

58.96

82B(C)9360
10-24-8214766
14774

LIGHT

St. Lawrence Seaway Light 222

44 15

26.89

76 04

19.47

82B(C)9360
10-24-8214766
14774

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE ☐ 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 (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 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 POSITIONS are determined by field observations based entirely upon ground survey methods.	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.

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)

DATE
10/84LOCALITY
St. Lawrence RiverSTATE
New YorkREPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping Unit
AMC, Norfolk, VAThe following objects HAVE ☐ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.
JOB NUMBER
CM-8205SURVEY NUMBER
TP-01171DATUM
N.A. 1927METHOD AND DATE OF LOCATION
(See instructions on reverse side)OFFICE
82B(C) 9360
10-24-82CHARTS
AFFECTED
14766
14774CHARTING
NAME
LIGHTPOSITION
LATITUDE
LONGITUDE
D.P. Meters
D.M. Meters
D.P. Meters
D.M. MetersDESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

Clayton Municipal Pier Light

St. Lawrence Seaway Light 227
(Bartlett Point, Light (USLS), 1933)

St. Lawrence Seaway Light 226

Wolfe Island Light
(Wolfe Island Light (IBC))*Position determined during
aerotriangulation.#Aid not listed in U.S. Light List.
Name taken from Canadian Light List,

RESPONSIBLE PERSONNEL		ORIGINATOR
TYPE OF ACTION	N°	
OBJECTS INSPECTED FROM SEAWARD		☐ FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		OFFICE ACTIVITY REPRESENTATIVE ☐ 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 (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.
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Visually 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 POSITIONS are determined by field observations based entirely upon ground survey methods.		

Replaces C&GS Form 567.

NONFOCATING 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)

☒ TO BE CHARTED ☐ TO BE REVISED ☐ TO BE DELETED	REPORTING UNIT (If field Party, Ship or Office) Coastal Mapping Unit AMC, Norfolk, VA	STATE New York	LOCALITY St. Lawrence River	DATE 10/84
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TL	f-11	obj	stc	HAVE	☐	been inspected from seaward to determine their value as landmarks.
				HAVE NOT	☐	

OPR PROJECT NO.	JOB NUMBER	DATE TIME MO. DAY YEAR	SURVEY NUMBER	DATUM	METHOD AND DATE OF LOCATION <i>(See instructions on reverse side)</i>	CHARTS
			CM-8205	N.A. 1927		
			TP-01171	POSITION		

POSITION

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Do not include station name, unless applicable. In parentheses only, include station name, unless applicable.)	LATITUDE		LONGITUDE	OFFICE	FIELD	AFFECTED
		° / ' " M Meters	° / ' " M Meters	° / ' " D. P. Meters			
		° / ' " M Meters	° / ' " M Meters	° / ' " D. P. Meters			

	Snow	Margination stations/lines, where applicable ... parameters ...			DATE OF MEASUREMENT				
				✓	24.775		32.677	82B(C)9358	14766
			✓	✓	17			10-24-82	14773

S'PIPE	Thousand Islands Park, Standpipe, 1942	44 17	70 01	10 24 02	14766
		08.860	11.920	82B(C)9360	14776

S'PIPE	(Clayton Municipal Standpipe, 1942)	44 14	76 05	10-24-82	14774
	(Clayton St. Marvs Catholic	19.021	11.633'	82B(C)0360	14766

SPIRE	Church, Spire, 1942)	44 14	76 05	10-24-82	14774
			02.14	45.88	14766 14767

TR		44 15	76 05	10-24-82	14774
			42.18 [✓]	43.19 [✓] 82B(C)9449	14767

CLOCK TR.	44 19 [✓]	76 09 [✓]	10-24-82	14774
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SPIRE	• NW of 2	44 19 ^v	45.10	76 09 [✓]	45.40	02E(0) 344)	14774
						10-24-82	

[illegible]

SPIRE	✓	42.76	✓	40.48	82B(C)9449	14774
	44 19		76 09		10-24-82	
SE of 2						

			50.00	76.01	02.58	82.B(C) 9358	14773
		44 16				10-24-92	14766

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	ORIGINATOR ☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE ☐ 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 (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: P - 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 POSITIONS are determined by field observations based entirely upon ground survey methods.	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.

