

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-01169	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 HOWE ISLAND	
1982 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 01169	
DESCRIPTIVE REPORT - DATA RECORD				☒ ORIGINAL		MAP EDITION NO. (1)	
				☐ RESURVEY		MAP CLASS III	
				☐ REVISED		JOB RR CM-8205	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE A. Y. Bryson, CDR				TYPE OF SURVEY		JOB PH. _____	
				☐ ORIGINAL		MAP CLASS _____	
				☐ RESURVEY		SURVEY DATES:	
				☐ REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation February 15, 1984				Control May 24, 1983			
Compilation October 31, 1984							
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 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 BY				L. Harrod, Jr.		July 1984	
METHOD: Analytic LANDMARKS AND AIDS BY				D. Norman		July 1984	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				L. Harrod, Jr.		July 1984	
METHOD: Calcomp 718 CHECKED BY				D. Norman		July 1984	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				R. Kravitz		Sept. 1984	
COMPILATION CHECKED BY				W. McLemore, Jr.		Sept. 1984	
INSTRUMENT: Wild B-8				N.A.			
SCALE: 1:20,000				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. Kravitz		Oct. 1984	
CHECKED BY				W. McLemore, Jr.		Oct. 1984	
METHOD: Smooth drafted				N.A.			
CHECKED BY				N.A.			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				N.A.			
CHECKED BY				N.A.			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT Final Review BY				W. McLemore, Jr.		Oct. 1984	
6. APPLICATION OF FIELD EDIT DATA BY				N.A.			
CHECKED BY				N.A.			
7. COMPILATION SECTION REVIEW Class III BY				W. McLemore, Jr.		Oct. 1984	
8. FINAL REVIEW Class III 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-01169
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

Wild.R.C. 10(B) (B=152.74 mm)

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

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

- (C) COLOR
(P) PANCHROMATIC
(I) INFRARED

ZONE

Eastern

MERIDIAN

75th

☒ STANDARD☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
82B(C)9361-9364	Oct.24,1982	09:45	1:50,000	243.9 ft.
82B(C)9450-9455	Oct.24,1982	11:50	1:50,000	243.9 ft.
82B(C)9384-9385	Oct.24,1982	10:51	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-01171	TP-01170	TP-01168

REMARKS

TP-01169

HISTORY OF FIELD OPERATIONS

(Photoidentification)

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	July 1983
2. HORIZONTAL CONTROL	RECOVERED BY R. Daniel	July 1983
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY R. Daniel	July 1983
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 R. Daniel	July 1983
	LOCATED (Field Methods) BY N.A.	
	IDENTIFIED BY R. Daniel	July 1983
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	BY N.A.
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Photo-identified

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82B(C)9385	SHAK FR LT(CHS) 1972		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
82B(C)9385	Howe Island Light (Shak FR LT(CHS) 1972)		

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

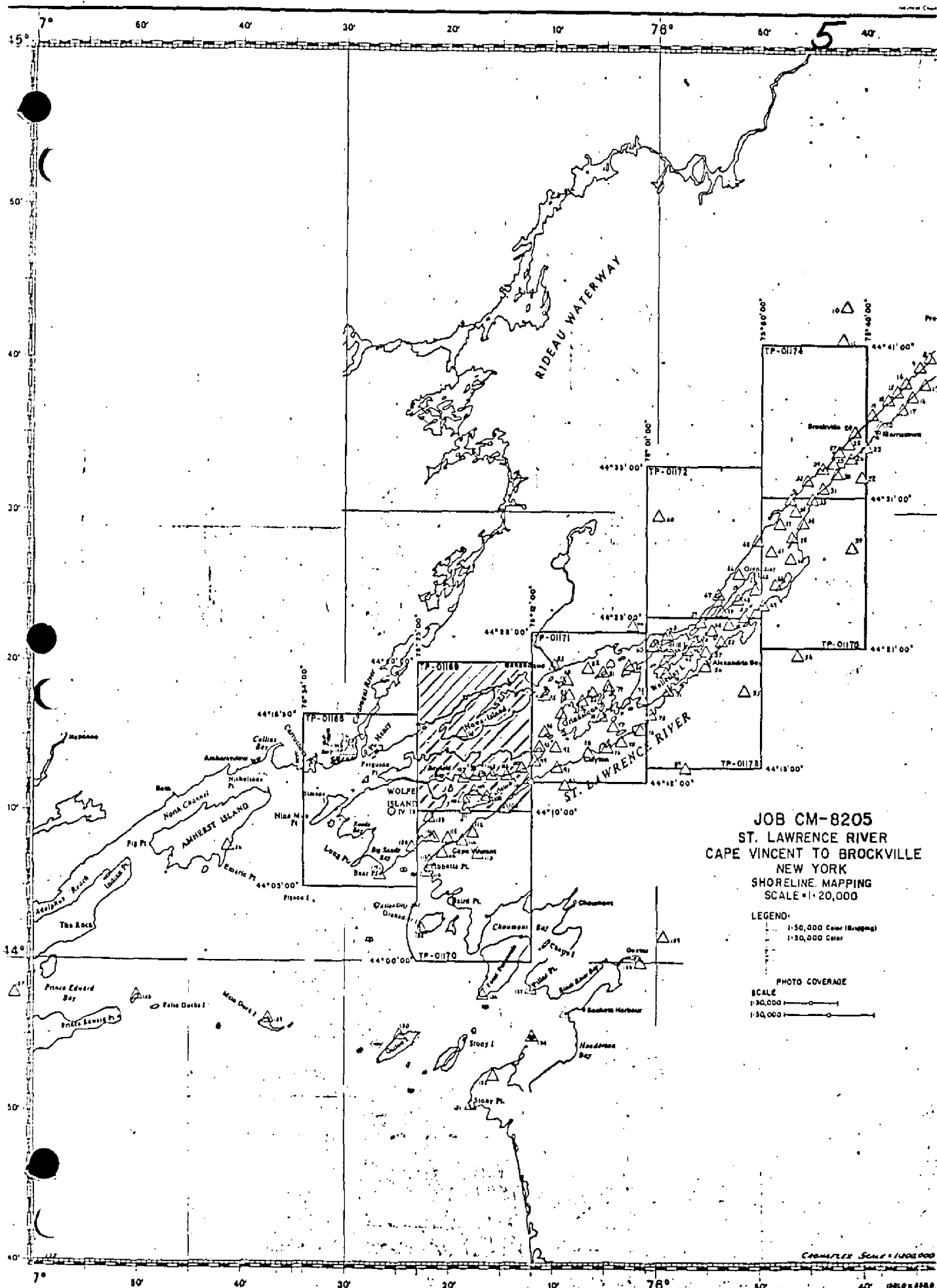
7. SUPPLEMENTAL MAPS AND PLANS

None

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

1-NOAA Form 76-53 (CSI Card)
 1-NOAA Form 76-86
 2-NOAA Forms 75-63

NOAA FORM 76-36D (3-72)		TP-01169		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	
RECORD OF SURVEY USE					
I. MANUSCRIPT COPIES					
COMPILATION STAGES				DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT	
Compilation complete	Oct. 1984	Class III Manuscript	None	None	
No field edit was performed prior to final review	Jan. 1985	Final Class III Map	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		
2		March 1985	Aids to Navigation for Charting		
1		March 1985	Landmarks		
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 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)					
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-01169

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 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 152.74mm) at 1:50,000 and 1:30,000 scales. 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 January 1985. 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-01169

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-8205
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.

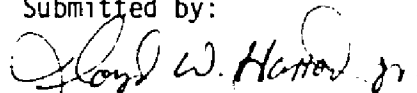
24. SUPPLEMENTAL DATA

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

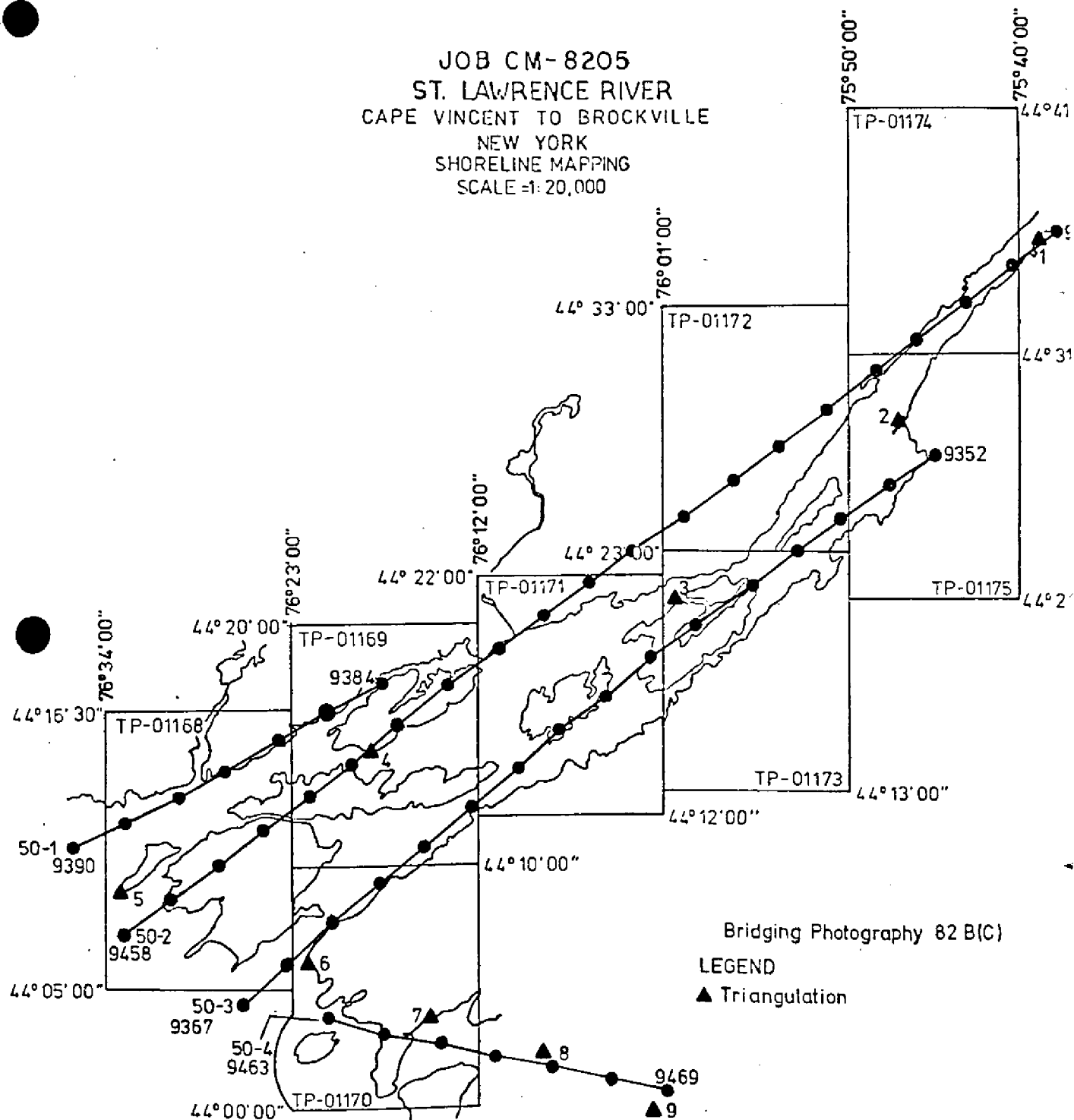
ST. LAWRENCE RIVER, NEW YORK
CM-8205

July 1984

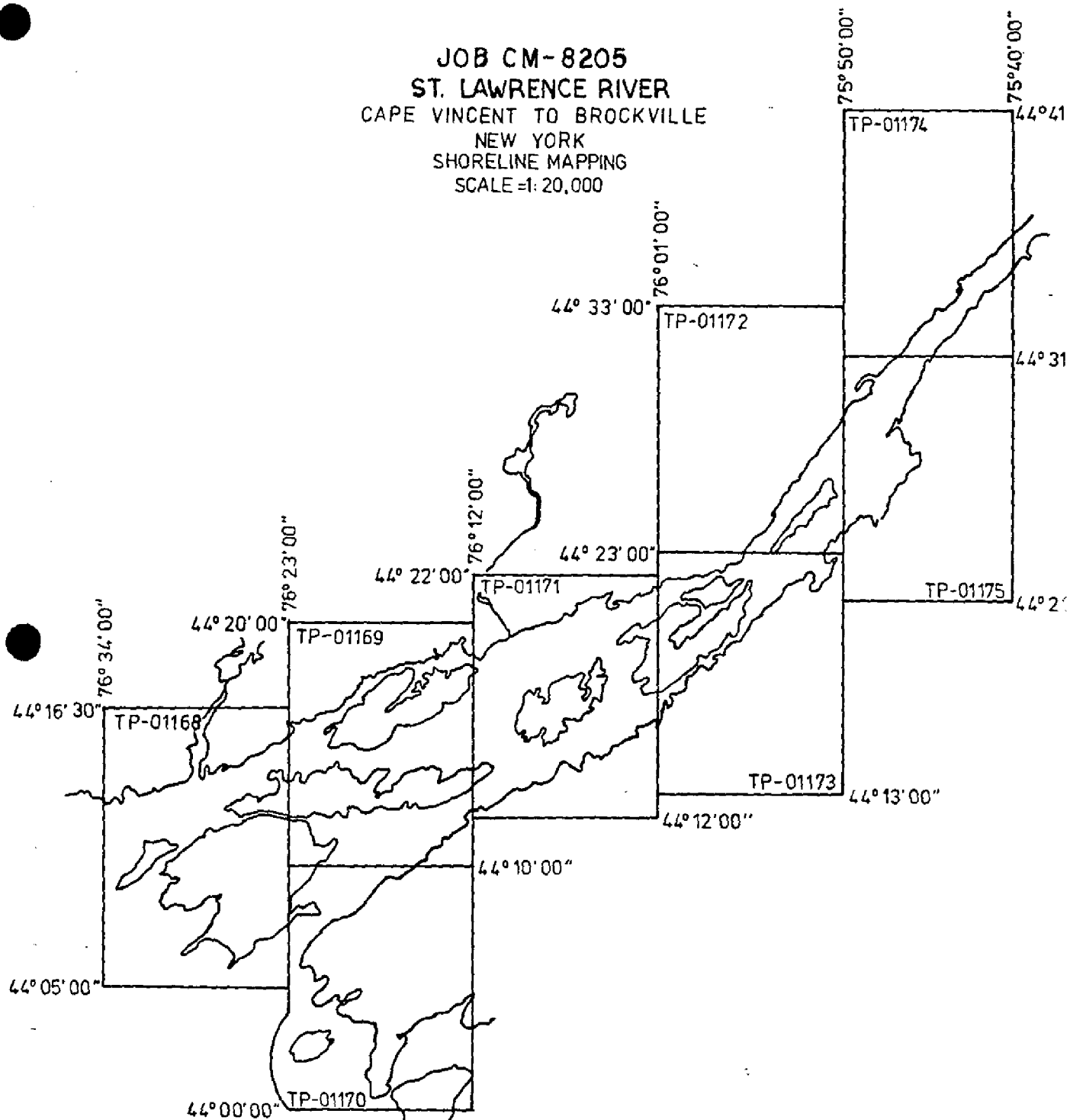
Ratio values for 1:50,000-scale color bridging photography.

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



COMPILATION REPORT

TP-01169

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 color photographs. All photographs used to compile this map are listed on NOAA Form 76-36B. The photography was adequate.

32 - CONTROL

The horizontal control was adequate. 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.

Since photographic interpretation of shallow areas can be very inaccurate, they were not delineated on the manuscript. Delineation of shallow areas were, however, furnished as notes to the hydrographer to be used as a guide.

37 - LANDMARKS AND AIDS

Appropriate 76-40 forms are submitted with this report.

TP-01169

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. Geological Survey
Quadrangles: Cape Vincent North, NY, dated 1958, scale 1:24,000;
Gananoque, Ontario-NY, dated 1958, scale 1:24,000; and Saint Lawrence, NY,
dated 1958, scale 1:24,000.

A comparison was made with the following Canadian Dept. of Energy,
Mines and Resources Quadrangles: St. Lawrence, Ontario-NY, dated 1972,
scale 1:25,000; Curtis Mountain, Ontario, dated 1972, scale 1:25,000;
Wolfe Island, Ontario, dated 1972, scale 1:25,000; Kingston Mills, Ontario,
dated 1973, scale 1:25,000; Gananoque, Ontario-NY, dated 1972, scale 1:25,000;
and Bayfield, Ontario-NY, dated 1972, scale 1:25,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 14767, 16th
edition, dated September 25, 1982, scale 1:30,000; 14768, 16th edition,
dated June 12, 1982, scale 1:30,000; 14774, 13th edition, dated April
17, 1982, scale 1:15,000; and 14802, 26th edition, dated March 28, 1981,
scale 1:80,000.

A comparison was made with the following Canadian Hydrographic Service
Charts: 1420, 33rd edition, dated August 17, 1984, 1:25,000 scale; and
1421, 36th edition, dated September 7, 1984, scale 1:30,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

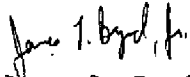
None.

Submitted by,

Robert R. Kravitz
Robert R. Kravitz
Cartographic Technician
October 17, 1984

TP-01169

Approved,



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

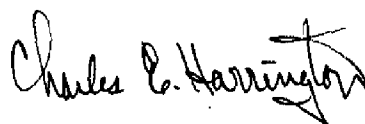
CM-8205 (St. Lawrence River, New York)

TP-01169

Banford Point
Bateau Channel
Bayfield Bay
Bayfield Island
Beadle Point
Brakey Bay
Byrne Point
Canadian Middle Channel
Carleton Island
Carpenter Point
Cassidys Bay
Cassidys Point
Chub Point
Cooks Point
Dignam Point
Dodge Bay
Eastview
Edwards Point
Firmans Point
Grass Creek
Grass Creek Point
Grices Island
Grog Island
Hickeys Point
Holliday Bay
Holliday Point

Howe Island
Irvine Bay
Irvine Point
Joe Welsh Bay
Johnson Bay
Lewis Bay
Linda Island
Macandie Point
McDonell Bay
McGregor Bay
Madoma Marsh
Miller Bay
Miller Bay (locality)
Murray Bay
New York
North Bay
Ontario
Peos Bay
Pitts Ferry (locality)
Quinns Bay
Rose Bay
Rush Bay
Saint Lawrence
St. Lawrence River
Sand Bay
Shanty Creek
South Bay
Spit Head
Treasure Island
Wolfe Island
Woodman Bay

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT TP-01169
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 U.S.G.S. Quadrangles: Cape Vincent, New York, Saint Lawrence, New York and 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: Bayfield, Ontario-New York, edition 3; Curtis Mountain, Ontario; Gananoque, Ontario-New York, edition 2; St. Lawrence, Ontario-New York, edition 3; Wolfe Island, Ontario, edition 2; all are dated 1972; and Kingston Mills, Ontario, edition 2, dated 1973. All six are 1:25,000 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 14767, 16th edition, dated September 25, 1982, scale 1:30,000; 14768, 16th edition, dated June 12, 1982, scale 1:30,000; 14774, 13th edition, dated April 17, 1982, scale 1:15,000; and 14802, 26th edition, dated March 28, 1981, scale 1:80,000.

A comparison was made with the following Canadian Hydrographic Service Charts: 1420, edition 33, dated August 17, 1984, scale 1:25,000; and 1421, edition 36, dated September 7, 1984, scale 1:30,000.

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,
Lowell O. Neterer, Jr.
Lowell O. Neterer, Jr.
Final Reviewer
January 11, 1985

Approved for forwarding,
Billy H. Barnes
Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,
Ronald K. Browner
Chief, Photogrammetric Section, Rockville

Ronald K. Browner
Chief, Photogrammetry Branch,
Rockville

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Robert R. Kravitz
ORIGINATOR ☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify) FIELD ACTIVITY REPRESENTATIVE 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 line applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *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)

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE				LONGITUDE				POSITION	METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		°	'	D.M. Meters	"	°	'	D.P. Meters	"		OFFICE	FIELD	
* LIGHT	Carleton Island Leading Light	44	10	09.72		76	18	41.76		82B(C)9364 10-24-82		14767 14802	
* LIGHT	Bayfield Island Single Station Range Light	44	11	39.15		76	19	43.71		82B(C)9364 10-24-82		14767 14768 14802	
	St. Lawrence Seaway Light 231 (Linda Island, Light, 1940)	44	12	15.487		76	12	26.997		82B(C)9362 10-24-82		14767 14802	
* LIGHT	Banford Point Light	44	12	26.34		76	14	19.22		82B(C)9362 10-24-82		14767 14802	
	Irvine Point Range Front Light	44	12	15.62		76	18	38.77		82B(C)9364 10-24-82		14767 14802	
* LIGHT	Irvine Point Range Rear Light	44	12	40.09		76	18	30.64		82B(C)9453 10-24-82		14767 14802	
# LIGHT	Howe Island Light (Shak FR LT (CHS), 1972)	44	14	45.920		76	18	26.169		82B(C)9453 10-24-82	TRIANG REC 7-28-83	14767	
# LIGHT	Bateau Channel Light 3	44	17	56.72		76	17	10.46		82B(C)9452 10-24-82		14767	
# LIGHT	Bateau Channel Light 2	44	18	08.49		76	16	33.11		82B(C)9452 10-24-82		14767	
*# LIGHT	Howe Island Ferry Light	44	16	37.24		76	19	38.93		82B(C)9452 10-24-82		14767 14768	

RESPONSIBLE PERSONNEL		ORIGINATOR
TYPE OF ACTION	NAME	☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)
OBJECTS INSPECTED FROM SEAWARD		
POSITIONS DETERMINED AND/OR VERIFIED	R. Daniel	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Robert R. Kravitz	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 I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *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.		

[illegible]

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