

TP- 01204

TP- 01204

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	
<i>Map No.</i> TP-01204	<i>Edition No.</i> 1
<i>Job No.</i> CM-8300	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> MAINE, U.S.A. - NEW BRUNSWICK, CANADA	
<i>General Locality</i> PASSAMAQUODDY BAY	
<i>Locality</i> DEER ISLAND	
19 83 TO 19	
REGISTERED IN ARCHIVES	
<i>DATE</i>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY TP.01204 MAP EDITION NO. (1) MAP CLASS III (Final) JOB PH CM-8300	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION			
				TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED		JOB PH- MAP CLASS SURVEY DATES: 19__ TO 19__	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE A. Y. Bryson, CDR							
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation June 5, 1984 Compilation March 1, 1985				Control August 12, 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)			
3. MAP PROJECTION Transverse Mercator Projection				4. GRID(S) STATE Maine ZONE East			
5. SCALE 1:20,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY				B. Thornton		Oct. 1984	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp 718 CHECKED BY				B. Thornton		Oct. 1984	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				D. Norman		Oct. 1984	
INSTRUMENT: Wild B-8				P. Evans		Dec. 1984	
SCALE: 1:20,000				W. McLemore		Dec. 1984	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				N.A.			
METHOD: Smooth Drafted				P. Evans		Dec. 1984	
SCALE: 1:20,000				F. Mauldin		March 1985	
HYDRO SUPPORT DATA BY				N.A.			
5. OFFICE INSPECTION PRIOR TO RELEASE Final Review BY				N.A.			
6. APPLICATION OF FIELD EDIT DATA CHECKED BY				N.A.			
7. COMPILATION SECTION REVIEW Class III BY				F. Mauldin		March 1985	
8. FINAL REVIEW Class III BY				J. Hancock		April 1985	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Hancock		April 1985	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				P. Dempsey		Dec. 1985	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				E. DAUGHERTY		FEB 1986	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-01204
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-10(C) (C=88.46 mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES * ☐ REFERENCE STATION RECORDS ☒ TIDE COORDINATED PHOTOGRAPHY ** coordinated		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern MERIDIAN 75th ☒ STANDARD ☐ DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
83C(C)9039-9042*	9-12-83	1002	1:50,000	2.1 feet above MLW	
83C(C)8972-8974*	9-12-83	0842	1:50,000	0.2 feet below MLW	
83C(I)9624-9626**	9-28-83	1424	1:50,000	0.5 feet below MHW	
83C(I)9613-9616**	9-28-83	1406	1:50,000	0.7 feet below MHW	
83C(I)9605-9608**	9-28-83	1356	1:50,000	1.1 feet below MHW	
83C(I)9531-9532**	9-28-83	0843	1:50,000	1.5 feet above MLW	
83C(I)9545-9548**	9-28-83	0911	1:50,000	1.9 feet above MLW	
83C(I)9540-9542**	9-28-83	0856	1:50,000	1.6 feet above MLW	
Mean tide range=18.2 ft.					

REMARKS *Compilation/bridging photographs based on predicted tide data.
 ***Tide coordinated MHW and MLW photographs are based on actual tide data.
 All photographs are referenced to the tide gage at Eastport.

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water Line was compiled from office interpretation of the compilation/bridging color photographs using stereo instrument methods. The black-and-white infrared MHW contact photographs were used to assist in the interpretation of the mean high water line.

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

The Mean Low Water Line was compiled graphically from the black-and-white tide coordinated infrared ratio photographs.

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 TP-01207 (inset)	EAST No Survey	SOUTH TP-01209*(inset)	WEST TP-01203
REMARKS This manuscript has an inset, TP-01208, scale 1:10,000, which lies completely within the northeast quadrant. *Since no approximate low water line was compiled on TP-01209, no mean low water line junction could be made.			

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-01204
HISTORY OF FIELD OPERATIONS

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Tibbetts	Aug. 1983
2. HORIZONTAL CONTROL		RECOVERED BY P. Walbolt	Aug. 1983
		ESTABLISHED BY N.A.	
		PRE-MARKED OR IDENTIFIED BY R. Daniel	Aug. 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 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		2. VERTICAL CONTROL IDENTIFIED	
Premarked		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
83C(C)9042	MILL CHS, 1977 (paneled direct)		
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 ☒ NONE		6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
1 Form 76-53, CSI Card; Project data: 1 NOAA Form 76-77 and 1 NOAA Form 77-53, 1 NOAA Form 76-52			

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-01204
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	March 1985	Class III Manuscript	None	None
Final Review	April 1985	Final Class III Map	5/29/85	4/23/85

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		5/29/85	Landmarks and Aids

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

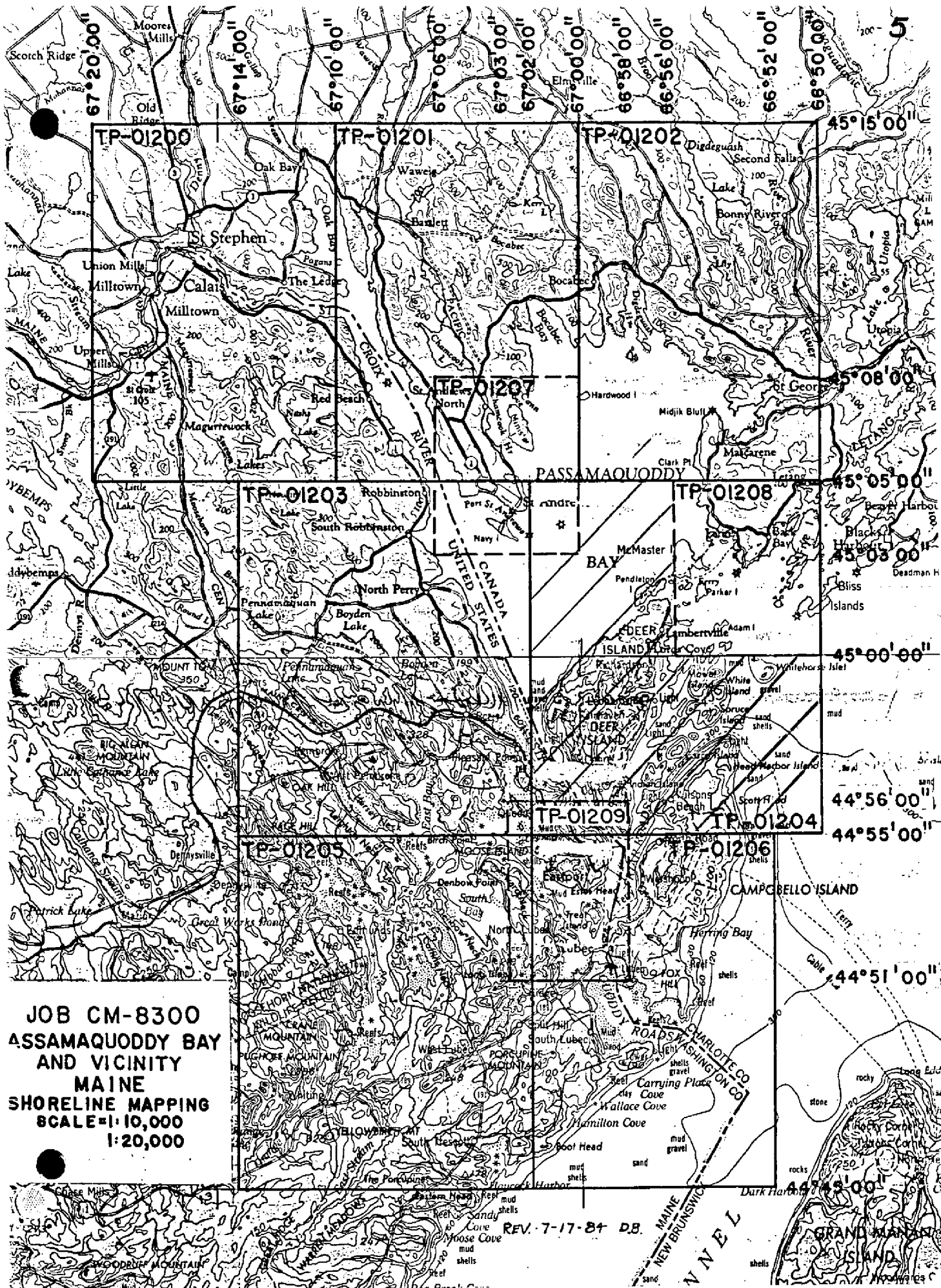
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 76-40 SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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

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

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-01204

This 1:20,000 scale final Class III shoreline map is one of 10 maps that comprise project CM-8300, Passamaquoddy Bay and Vicinity, Maine. The project consists of seven 1:20,000 scale maps (TP-01200 thru TP-01206) and three 1:10,000 scale inset maps (TP-01207 thru TP-01209). This project includes shoreline coverage of the American and Canadian territories; however, no attempt was made to compile the international boundary line.

The purpose of this map is to provide current charting information for nautical chart maintenance and to furnish support data for the Canadian hydrographic activity scheduled this (1985) spring.

This final Class III map portrays a portion of U.S. and Canadian shoreline which includes the majority of Deer Island and the northern segment of Campobello Island.

Field work prior to compilation consisted of the recovery, establishment and identification, by premarking methods, of horizontal control necessary for aerotriangulation. Also, the field party was responsible for assisting in obtaining the tide coordinated aerial photography. This activity was completed October 1983.

Photo coverage for the project was provided by 1:50,000 scale and 1:30,000 scale natural color and black-and-white tide coordinated photographs. The color photographs required for aerotriangulation and instrument compilation were taken with the Wild RC-10 (C) camera in September 1983. The MHW and MLW infrared photographs required for graphic compilation and interpretation assistance were taken September 1983 with the Wild RC-10 (C) camera. All photographs used to produce this map were taken at 1:50,000 scale. The photography was adequate.

After the photographs were forwarded to compilation, a general evaluation of the mapping area was performed in the field by select AMC compilation personnel June 1984. This activity was conducted in order to assist in the photo interpretation process during compilation.

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

Compilation, based upon office interpretation of the 1:50,000 scale color photographs, was performed at the Coastal Mapping Unit, Atlantic Marine Center in March 1985. Compilation included the use of MHW and MLW tide coordinated infrared photographs. Refer to the Compilation Report for specific use of this photography.

Final review for this final Class III map was performed at the Atlantic Marine Center in April 1985. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch. A Notes to Hydrographer print and related support data were prepared to assist the Canadians in their hydrographic activity. While preparing the support data, a comparison was made with the common Canadian nautical charts in order to identify conflicts between the NOS charts and the map. Any significant conflicts were addressed on both the Chart Maintenance and Notes to Hydrographer prints.

The Descriptive Report for this final shoreline ~~insert~~ map contains all pertinent information used to produce this map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-01204

There was no complete field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (pre-marking) of the horizontal control necessary for aerotriangulation, monitoring the Eastport tide gage to aid in obtaining tide coordinated infrared photography, and a cursory shoreline inspection.

PHOTOGRAMMETRIC PLOT REPORT

CM-8300

Passamaquoddy Bay, Maine

August 1984

21. Area Covered

This project covers the Passamaquoddy Bay area from Oak Bay and St. Croix River, down to the Grand Mann Channel. The area is covered by seven 1:20,000 scale sheets; TP-01200 to TP-01206, and three 1:10,000 scale sheets; TP-01207 to TP-01209.

22. Method

Six strips of 1:50,000 scale color photographs were bridged by analytical aerotriangulation methods and adjusted to ground as a block with the General Intergrated Analytical Triangulation Program (GIANT). Nine pre-marked horizontal control stations were used in the adjustment. One premarked station in conjunction with office identified intersection stations were used as check points. The block contained 63 photographs.

Compilation points were dropped to eight strips of 1:30,000 scale color photographs. This photography is for the compilation of the 1:10,000 scale sheets.

Ratio values were determined for the bridging and compilation photographs and also for the MLW and MHW infrared photographs. A copy of the values is attached to this report.

The base sheets were plotted on the Calcomp 718 plotter using the Maine state plane coordinate system, East zone. This system is based on the Transverse Mercator projection.

23. Adequacy of Control

The control was adequate. The project meets the National Standards of Map Accuracy.

One premarked station, Table Top, 1866, would not fit in the adjustment. A copy of the fit to control is attached to this report.

24. Supplemental Data

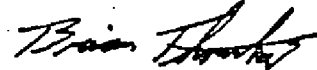
USGS quadrangles were used to provide veritcal control for adjustments.

25. Photography

The coverage, overlap, and quality of the 1983C(C) photographs were adequate for the job.

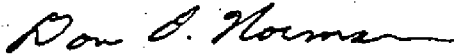
The coverage of the 1983B(R) infrared photographs used for the MHW and MLW is insufficient for sheet TP-01209.

Submitted by:



Brian Thornton

Approved and Forwarded:



Don O. Norman
Chief, Aerotringulation Unit

FIT TO CONTROL

△ = Control Held in Adjustment

STATION NAMES	POINT NO.	VALUES IN FEET	
		X	Y
△ New Brunswick Disk #2185	88100	1.0	0
△ Box 2, 1946 - Sub Point	66101	3.0	0
△ New Brunswick Disk #2236 - Sub Point	71101	-1.0	2.0
△ New Brunswick Disk #2517 - Sub Point	74101	-1.0	0
△ New Brunswick Disk #2475	39100	0	0.5
Matthews, 1863	38100	-2.0	-2.0
△ Rob IBC, 1946 - Sub Point	976101	1.0	-0.5
△ Hersey, 1887	98100	0	-0.6
△ Mill CHS, 1977	971100	0	-1.0
△ Larrabee IBC, 1913	969100	0	-0.5
Table Top, 1866	978100	26.0	12.0
Lubec Narrows			
Mulholland Pt. Lt.	100100	1.0	0
Lubec Standpipe, 1910	100167	-2.6	4.3
Redoubt Hill Tank, 1946	972111	+3.0	1.0
Range Mark 7, 1919	972146	1.0	1.7
Range Mark 9, 1919	972144	1.0	2.0
Range Mark 10, 1919	972145	2.4	2.3
Range Mark 5, 1919	972148	1.3	2.0
Range Mark 6, 1919	972147	2.5	0
Perry, White Church Spire, 1913	973143	-2.5	3.0
Life Saving Station, Lookout Twr. 1919	102147	8.0	1.0
West Quoddy Head Light, 1860	102148	-1.5	-4.6
Range Mark 41, 1919	44164	0	3.0
Range Mark 44, 1919	44153	2.0	4.4
Lubec Channel Lt. House, Final 1893	44159	1.3	2.3
Lubec Church Spire, 1861	100156	1.0	2.5
Lubec Lower Church Spire, 1913	43147	1.8	1.8

Range Mark 39, Gunner 1919	44160	2.0	0
Range Mark 40, 1919	44150	-6.0	-2.0
Range Mark 45, 1919	44161	0	1.0
Range Mark 46, 1919	44149	3.0	-1.0
Lubec Narrows Lt.			
Mulholland Pt. Lt. 1910	44144	1.3	5.3
Range Mark 25, 1919	44143	1.0	1.1
Range Mark 33, 1919	44145	-1.0	2.0
Range Mark 35, 1919	44147	4.7	1.0
Range Mark 36, 1919	44146	-1.0	1.0
Range Mark 24, 1919	44141	-1.4	1.1
Range Mark 21, 1919	43145	0	1.3
Range Mark 22, 1919	43144	0	1.0
Range Mark 31, 1919	43146	-1.5	2.0
Range Mark 20, 1919	971142	1.4	0
Range Mark 30, 1919	971145	1.0	-0.7
Eastport Standpipe, 1910	971143	2.9	-0.5
Range Mark 8, 1919	972141	0	-1.0
Dog Island Light, 1946	972151	-2.0	0
Range Mark 13, 1919	972142	4.0	-2.7
Range Mark 14, 1919	972143	1.0	1.8
Marks Pt. Lighthouse, Finial, 1909	67152	5.7	-3.3
Range Mark 1, 1919	976141	2.5	1.4
Minister Island, Tower, 1918	976143	0	1.5
Range Mark 3, 1919	973141	3.5	0.5
Leonardville Harbor Lt. House, 1918	41151	-1.6	-2.4
Range Mark 12, 1919	43142	0	1.2
Range Mark 15, 1919	43141	1.0	2.7
Range Mark 16, 1919	43143	1.5	2.0
Range Mark 47, 1919	44163	-4.1	6.5
Range Mark 48, 1919	44162	-3.6	-1.6
Mascabin Point Lighthouse, 1919	39151	-2.0	0.5
Range Mark 11, 1919	42141	-8.3	6.0

Ratio Values

MLW

83C(R) 0494-0499	Ratio 2.487
0503-0506	Ratio 2.496
9529-9534	Ratio 2.490
9537-9543	Ratio 2.489
9545-9549	Ratio 2.490
9556-9562	Ratio 2.490
9567-9570	Ratio 2.492
9580-9581	Ratio 2.494
9585-9587	Ratio 2.494
0510-0513	Ratio 1.508
0517-0520	Ratio 1.499
83B(R) 6842-6845	Ratio 1.482
6848-6850	Ratio 1.489
6855-6858	Ratio 1.491
83C(R) 0524-0528	Ratio 3.006

Ratio Values

MHW

83C(R) 9592-9597	Ratio 2.500
9630-9633	Ratio 2.507
9604-9609	Ratio 2.507
9612-9618	Ratio 2.517
9623-9626	Ratio 2.510
83B(R) 6820-6825	Ratio 2.494
6803-6806	Ratio 2.490
6812-6816	Ratio 2.497
83B(R) 6773-6776	Ratio 1.496
6781-6784	Ratio 1.495
83B(R) 6756-6759	Ratio 2.996
6761-6763	Ratio 2.989
6768-6770	Ratio 3.006
6788-6790	Ratio 2.996

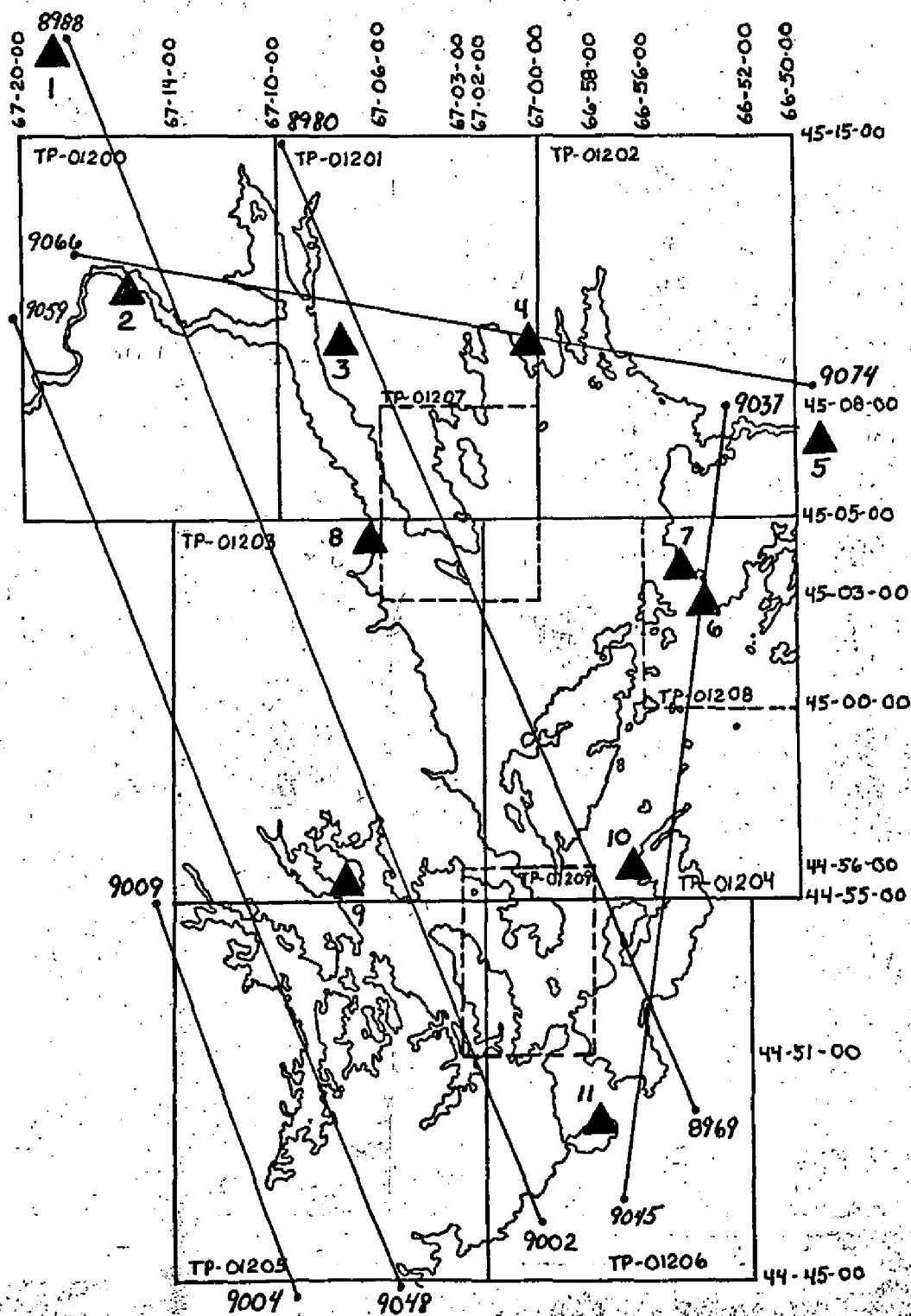
Ratio Values
Bridging Strips

83C(C) 8969-8980	Ratio 2.542
8988-9002	Ratio 2.537
9048-9059	Ratio 2.523
9004-9009	Ratio 2.538
9066-9074	Ratio 2.541
9037-9045	Ratio 2.530

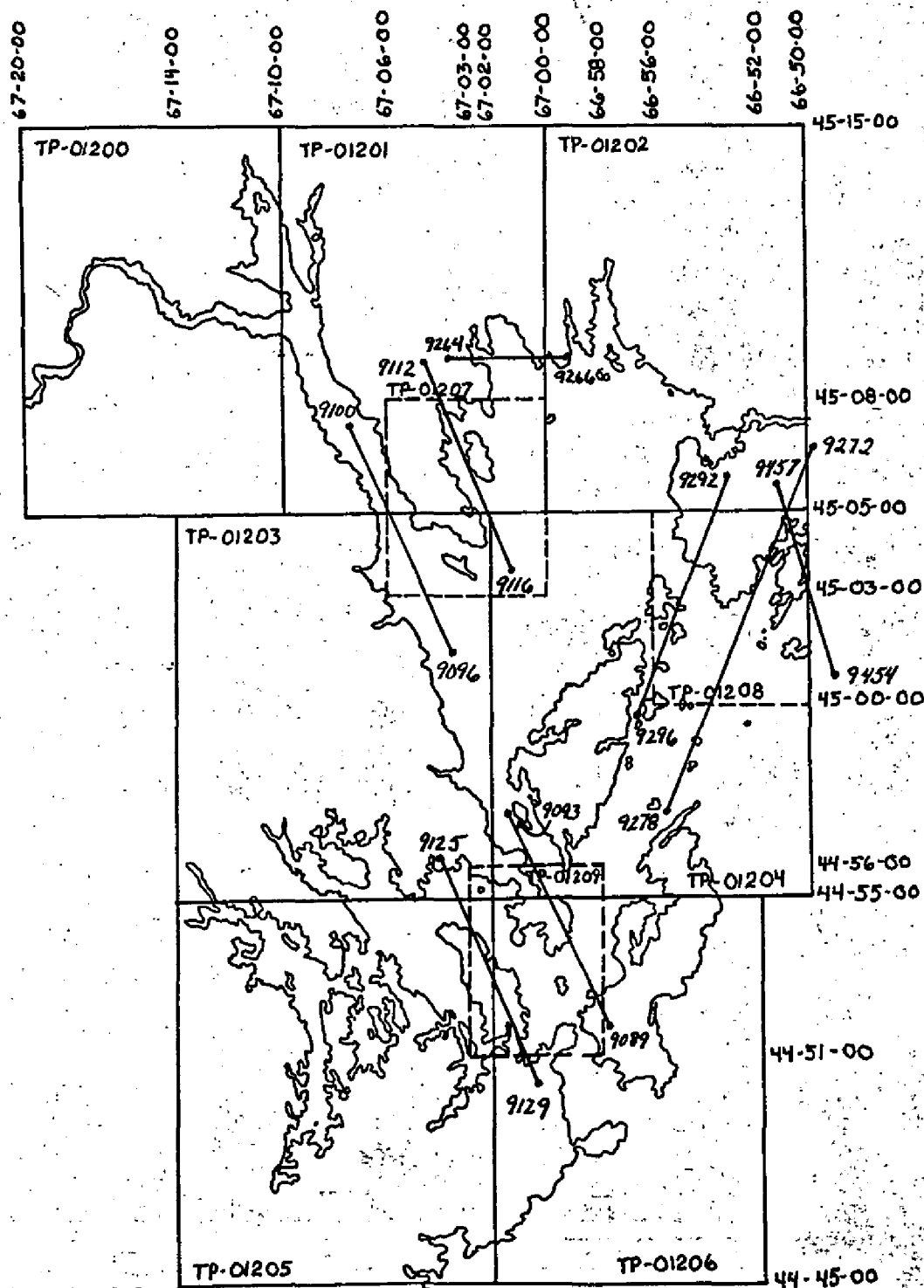
Compilation Photography

83C(C) 9264-9266	Ratio 3.030
9272-9278	Ratio 3.059
9292-9296	Ratio 3.046
9454-9457	Ratio 3.060
9089-9093	Ratio 3.050
9096-9100	Ratio 3.048
9112-9116	Ratio 3.021
9125-9129	Ratio 3.050

AEROTRIANGULATION SKETCH
 PASSAMAQUODDY BAY
 MAINE
 CM-8300
 1:50000 BRIDGING PHOTOGRAPHS
 83C (C)



AEROTRIANGULATION SKETCH
 PASSAMAQUODDY BAY
 MAINE
 CM-8300
 1:30000 COMPILATION PHOTOGRAPHS
 83C(c)



AEROTRIANGULATION SKETCH

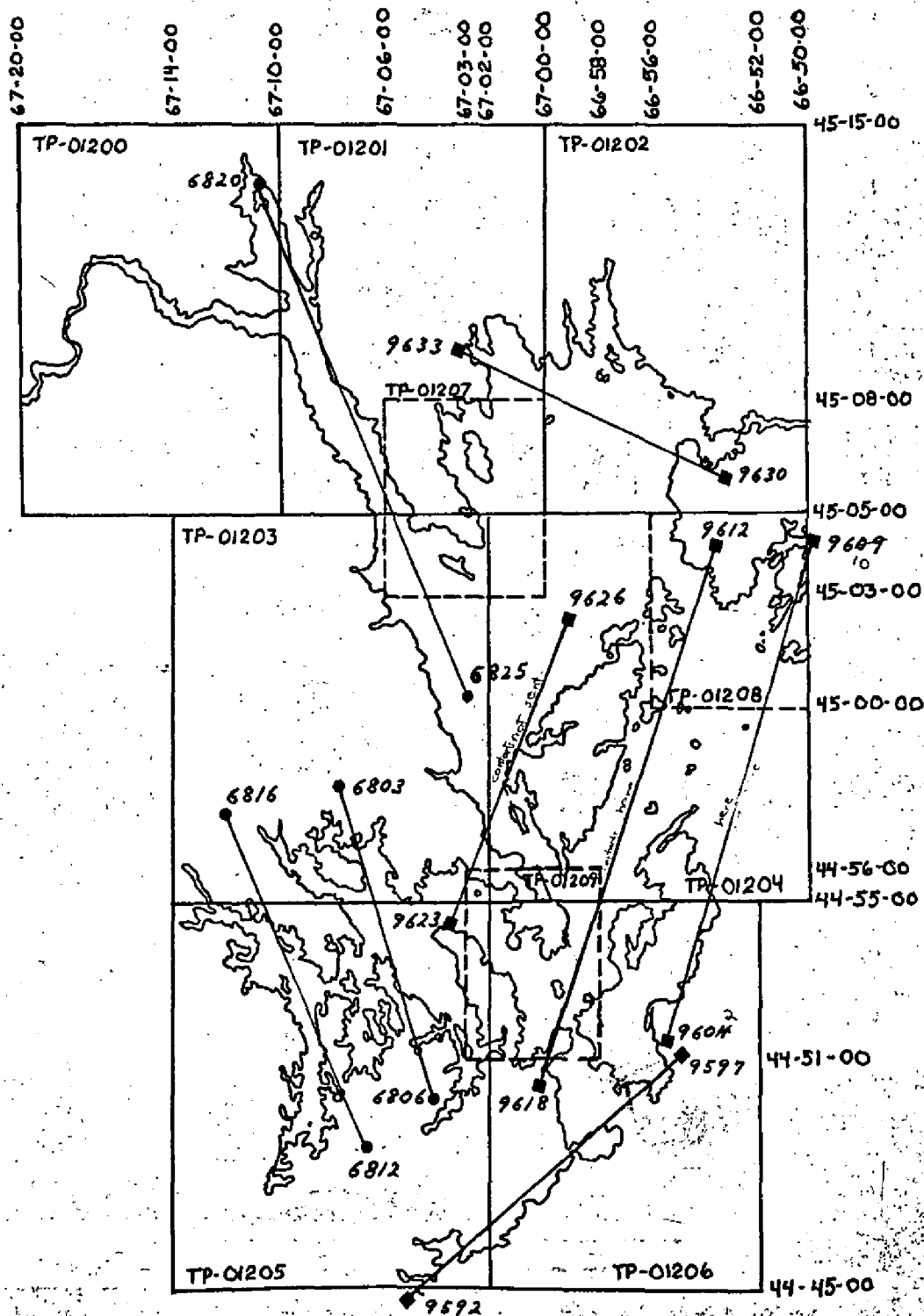
PASSAMAQUODDY BAY

MAINE

CM-8300

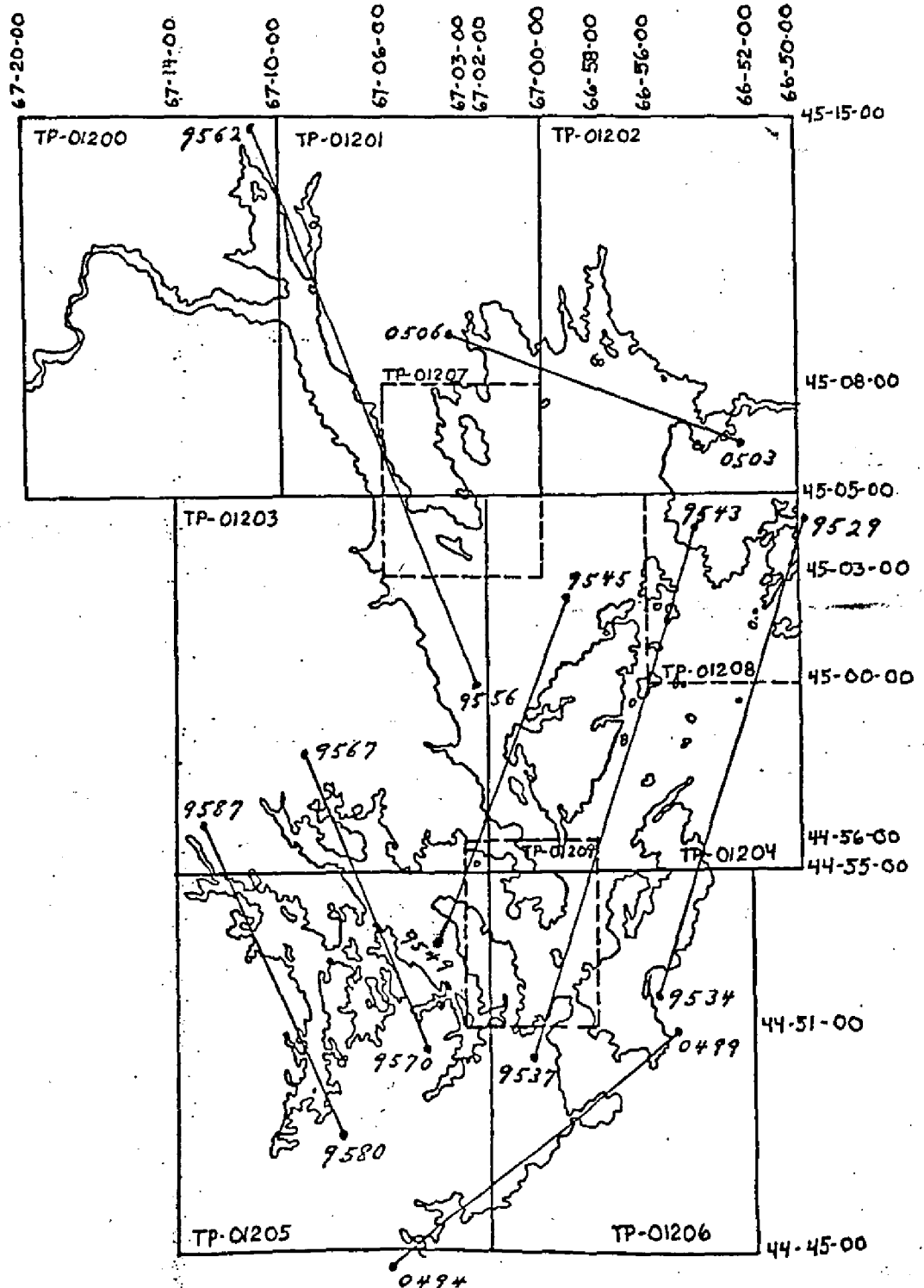
1:50 000 B. & W. INFRARED

MHW ■ 83C(R) • 83B(R)



AEROTRIANGULATION SKETCH
 PASSAMAQUODDY BAY
 MAINE
 CM-8300

1:50 000 B. & W. INFRARED
 MLW 83 C (R)

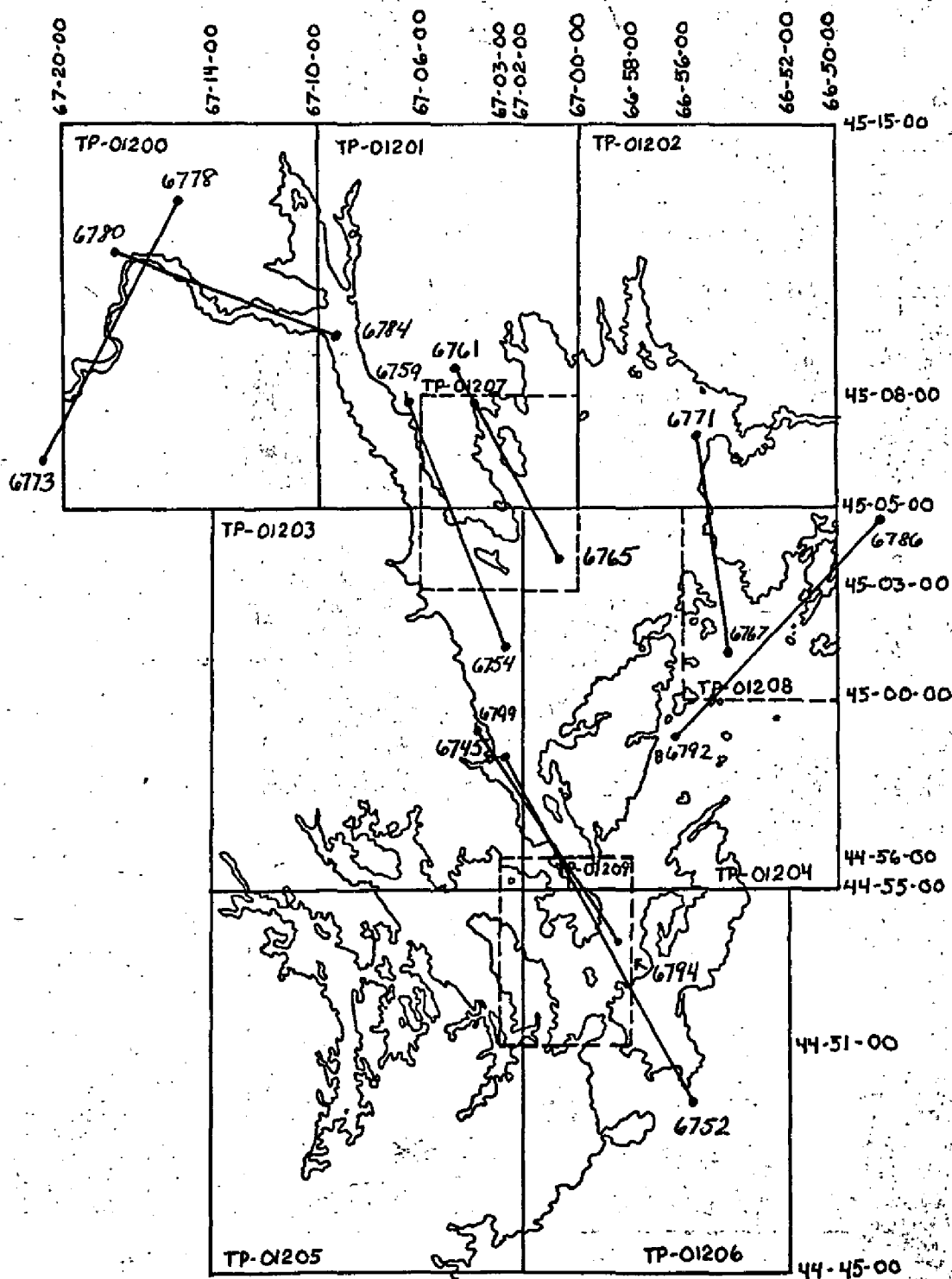


AEROTRIANGULATION SKETCH

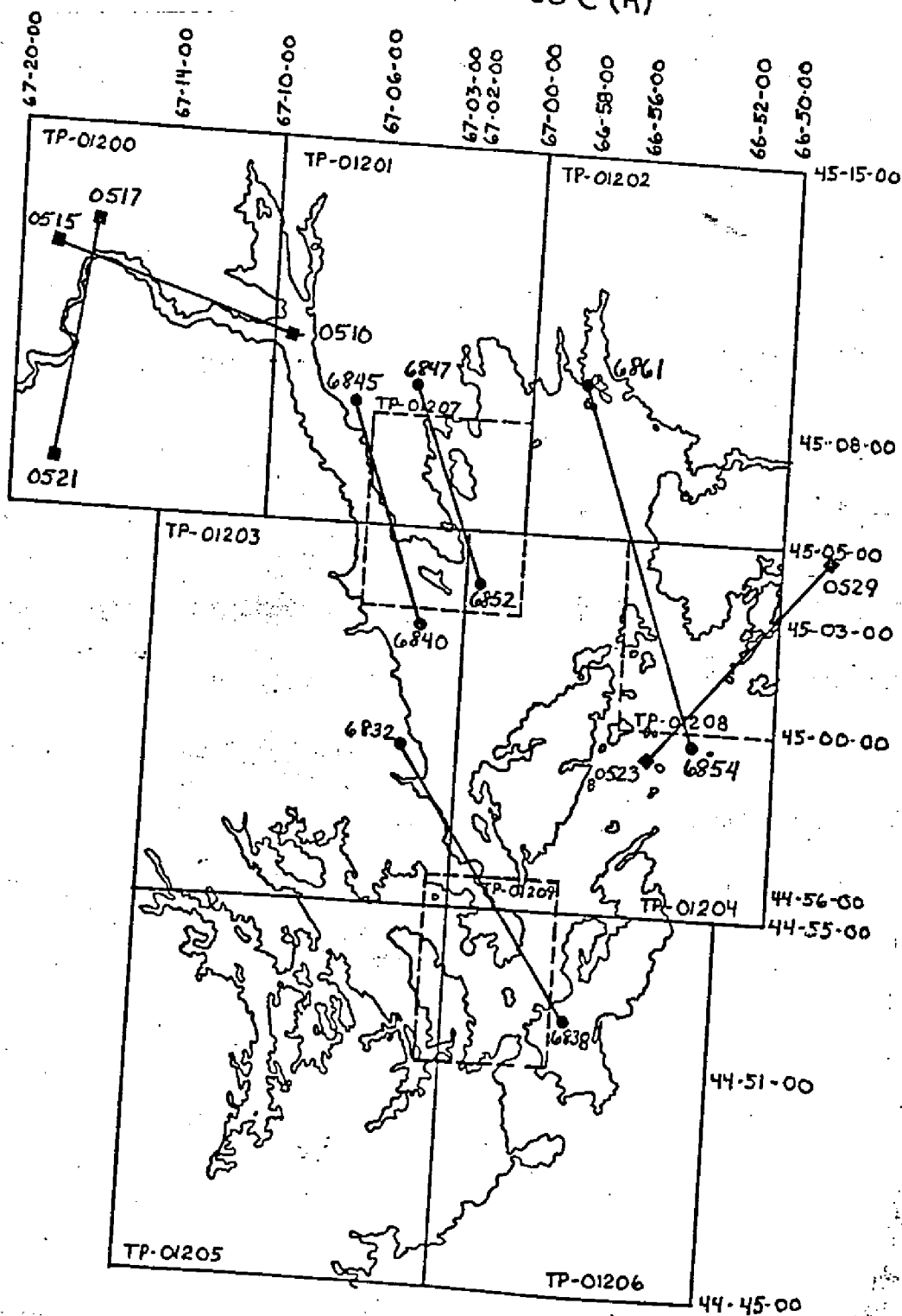
PASSAMAQUODDY BAY

MAINE

CM-8300

1:30000 BLACK AND WHITE INFRARED PHOTOGRAPHS
MHW 83B(R)

AEROTRIANGULATION SKETCH
PASSAMAQUODDY BAY
MAINE
CM-8300
1:30000 BLACK AND WHITE INFRARED PHOTOGRAPHS
MLW • 83B(R) ■ 83C(R)



COMPILATION REPORT

TP-01204

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic 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. Tide coordinated MHW infrared contact photographs were used to assist in interpretation of the shoreline. Tide coordinated MLW infrared ratio photographs were used to graphically compile the approximate mean low water line. Control for graphic delineation was provided by the instrument compilation of coastal detail and common image points.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate; however, the quality of various MLW infrared ratio photographs made it difficult to define a consistent image representative of the approximate mean low water line. Consequently, the delineation of this line required a very thorough inspection of all the MLW ratio photographs.

A partial shoreline inspection was performed prior to compilation. Resulting information was used as an aid to office interpretation of the compilation photography.

32 - CONTROL

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

33 - SUPPLEMENTAL DATA

A general comparison was made with the following Canadian Nautical Charts:

4373, 5th edition, dated Feb. 3, 1984, scale 1:36,400.
4343, 38th edition, dated Sept. 23, 1983, scale 1:19,214
4331, 27th edition, dated July 8, 1983, scale 1:40,640.

34 - CONTOURS AND DRAINAGE

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

TP-01204

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled from office interpretation of the compilation color photographs. The tide coordinated MHW infrared contact photographs were used to assist in interpretation. No MHW infrared ratio photographs were provided.

36 - OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in item #31. Both the 1:50,000 scale MHW and MLW infrared photographs were used to assist in interpretation. The 1:30,000 scale MLW infrared photographs, from the 1:10,000 scale inset map were used to supplement the 1:50,000 scale infrared photographs in interpretation.

37 - LANDMARKS AND AIDS

There are 8 charted landmarks and 23 charted aids within the mapping limits of this manuscript. Among these, 6 landmarks and 13 aids were either located or verified photogrammetrically. Appropriate information was prepared on the 76-40 forms and submitted with this map.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. and Canadian quadrangles:

Eastport, ME, scale 1:24,000, dated 1949, photorevised 1977
St. George, New Brunswick, 21 G/2, 3rd edition, scale 1:50,000, dated 1980.

TP-01204

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Chart:
13328, 20th edition, dated Sept. 15, 1984, scale 1:40,000

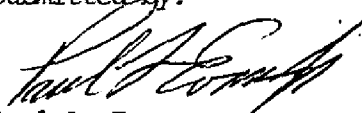
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

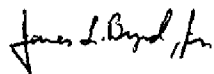
None.

Submitted by:



Paul L. Evans
Cartographic Technician
December 1984

Approved:



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8300 (Passamaquoddy Bay, Maine)

TP-01204

Bar Island	Indian Head
Bay of Fundy	Indian Island
Beans Island	Kendall Head
Big Pond	Lamberts Cove
Black Rock	Lamberts Cove (Ppl)
Bowens Rock	Lambertville
Brown Head	Leonardville
Butler Point	Leonardville Harbour
Calders Head	Little Island
Campobello Island	Little Letete Passage
Casco Bay Island	Little Pond
Chocolate Cove	Lords Cove
Chocolate Cove (Ppl)	Lords Cove (Ppl)
Clam Cove	McMaster Island
Clam Cove Head	Man of War Head
Clines Point	Mill Cove
Cod Rock	Mill Cove Point
Cubs Point	Mill Cove Pond
Cummings Cove	Mink Island
Cummings Cove (Ppl)	Mink Point
Curry Cove	Moose Island
Davidsons Head	Mowat Island
Deer Island	Northern Harbour
Dinner Island	Northwest Harbour
Doctors Cove	Nubble Island
Doyles Passage	Oak Head
East Quoddy Head	Otter Cove
English Bay (English Bar) <i>AK</i>	Passamaquoddy Bay
English Island	Pendleton Island
Fairhaven	Pompey Ledges
Fish Harbour	Popes Island
Gardners Point	Richardson
Green Island	St. Helena Island
Haley Point (Located on TP-01207) <i>AK</i>	Sandy Island
Halftide Ledge	Sandy Ledge
Harbour de Lute	Scott Head
Head Harbour	Simpsons Island
Head Harbour Island	Spectacle Islands
Head Harbour Passage	Spruce Island
Hibernia Cove	Stuart Cove
Hospital Islands	Stuart Town

GEOGRAPHIC NAMES

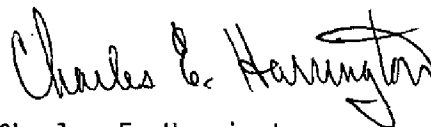
FINAL NAME SHEET

CM-8300 (Passamaquoddy Bay, Maine)

TP-01204

The Nubble
Thumb Cap
Tinkers Island
Western Passage
White Horse Island
White Island
Whiterock Cliffs
Wilsons Beach (Ppl)
Wilsons Point
Windmill Point

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE

TP-01204

61 - GENERAL STATEMENT:

Final review for this final Class III map was accomplished at the Atlantic Marine Center in April 1985. For a schedule of the office and field operations, 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 U.S. and Canadian quadrangles:

Eastport, ME, scale 1:24,000 dated 1949, photorevised 1977
St. George, New Brunswick, 21G/2, 3rd edition, scale 1:50,000, dated 1980.

A comparison was made with following Canadian Hydrographic Service Charts:

4343, 3rd edition, Sept. 23, 1983, scale 1:19,214
4373, 5th edition, Feb. 3, 1984, scale 1:36,400
4331, 2nd edition, July 8, 1983, scale 1:40,640.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Prior to final review, no contemporary hydrographic survey was accomplished in the area common to this map.

Hydrographic survey data was prepared and submitted for the anticipated Canadian hydrographic operations.

65 - COMPARISON WITH NAUTICAL CHARTS:

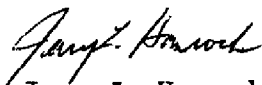
A comparison was made with the following NOS chart:
13328, 20th edition, dated Sept. 15, 1984, scale 1:40,000

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

TP-01204

Submitted by:

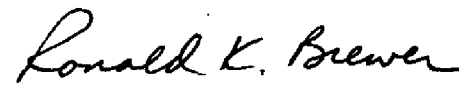

Jerry L. Hancock
Final Reviewer

Approved for forwarding:


Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved:


Chief, Photogrammetric Section, Rockville


Chief, Photogrammetry Branch

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				NONFLOATING AIDS OR LANDMARKS FOR CHARTS				ORIGINATING ACTIVITY			
☒ TO BE CHARTED ☐ TO BE REVISED ☐ TO BE DELETED		REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Unit AMC, Norfolk, VA	STATE Maine	LOCALITY Passamaquoddy Bay	DATE Nov. 1984					☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ PHOTO FIELD PARTY ☒ COMPILATION ACTIVITY ☐ FINAL REVIEWER ☐ QUALITY CONTROL & REVIEW GRP. ☐ COAST PILOT BRANCH (See reverse for responsible personnel)					
The following objects HAVE ☐ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.		JOB NUMBER CM-8300		SURVEY NUMBER TP-01204		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse side)				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		POSITION		OFFICE	FIELD						
		° / ' "	D.M. Meters	° / ' "	D.P. Meters										
LIGHT	Curry Cove Wharf Light	44 55	40.2	66 56	20.8			83C(C)9042				13328 - 4373** 4343**			
LIGHT	* Chocolate Cove Light	44 56	47.918	66 58	22.807			83C(C)9041				13328 - 4373**			
LIGHT	(EAST QUODDY LIGHT, 1860) Head Harbour Light	44 57	28.309	66 54	02.185			83C(C)9041				13328 - 4373**			
LIGHT	Lords Cove Range Rear Light	45 00	23.4	66 56	57.51			83C(C)9041				13328 - 4331**			
LIGHT	Leonardville Wharf Light	44 58	17.0	66 57	13.3			83C(C)9041				13328 - 4373** 4331**			
LIGHT	* Pompey Ledge Light	44 58	46.344	66 56	44.849			83C(C)9041				13328 - 4373** 4331**			
LIGHT	* Richardson Wharf Light	44 59	42.264	66 56	46.411			83C(C)9040				13328 - 4373** 4331**			
LIGHT	* Fairhaven Light	44 57	50.171	67 00	32.070			83C(C)8973				13328 - 4373**			
LIGHT	Lords Cove Wharf Light	45 00	20.7	66 56	52.0			83C(C)9041				13328 - 4331**			
LIGHT	* Lords Cove Range Front Light	45 00	22.015	66 56	56.669			83C(C)9040				13328 - 4331**			

*Positioned by Aerotriangulation.

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	P. L. Evans, Jr.
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) 8. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. 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.	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
ORIGINATOR ☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify) FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE ☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	

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 <i>(Field Party, Ship or Office)</i> Coastal Mapping Unit AMC, Norfolk, VA	STATE Maine	LOCALITY Passamaquoddy Bay	DATE Nov. 1984
---	--	----------------	-------------------------------	-------------------

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

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM	METHOD AND DATA (See instructions)
	CM-8300	TP-01204	N.A. 1927 POSITION	

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE			LONGITUDE			OFFICE
		°	'	D. M. Meters	°	'	D. P. Meters	
LIGHT	* Stuart Town Wharf Range Front Light	45	01	07.779	66	56	17.297	83C(C)9040
LIGHT	* Stuart Town Wharf Range Rear Light	45	01	04.613	66	56	22.215	83C(C)9040
LIGHT	* Two Hour Rock Light	45	01	43.741	66	56	08.097	83C(C)9040

*Positioned by Aerotriangulation.

Lights listed in the Canadian Light List.

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	P. L. Evans, Jr.
☐ 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 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-V's. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

RESPONSIBLE PERSONNEL		ORIGINATOR	
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	P. L. Evans, Jr.	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		FIELD (Cont'd)	
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		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		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	
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		III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	
A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.			

