

TP-01205

TP-01205

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-01205	Edition No. 1
Job No. CM-8300	
Map Classification CLASS III (FINAL)	
Type of Survey SHORELINE	
<h3 style="text-align: center;">LOCALITY</h3>	
State MAINE, U.S.A. - NEW BRUNSWICK, CANADA	
General Locality PASSAMAQUODDY BAY	
Locality COBSCOOK BAY	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19₈₃ TO 19 </div>	
<h3 style="text-align: center;">REGISTERED IN ARCHIVES</h3>	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 01205 MAP EDITION NO. (1) MAP CLASS III (Final) JOB RH-CM-8300	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION			
				TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> 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			
1. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation June 5, 1984				Control August 12, 1983			
Compilation March 1, 1985							
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> 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				B. Thornton		Aug. 1984	
METHOD: Analytic LANDMARKS AND AIDS BY				B. Thornton		Aug. 1984	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				B. Thornton		Oct. 1984	
METHOD: Calcomp 718 CHECKED BY				D. Norman		Oct. 1984	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				P. Evans, Jr.		Jan. 1985	
COMPILATION CHECKED BY				F. Mauldin, W. McLemore, Jr.		Jan. 1985	
INSTRUMENT: Wild B-8				CONTOURS BY		N.A.	
SCALE: 1:20,000				CHECKED BY		N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				P. Evans, Jr.		Apr. 1985	
CHECKED BY				W. McLemore, Jr.		Apr. 1985	
METHOD: Smooth Drafted				CONTOURS BY		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 REVIEW Final Review BY				W. McLemore, Jr.		Apr. 1985	
6. APPLICATION OF FIELD EDIT DATA BY				N.A.			
CHECKED BY				N.A.			
7. COMPILATION SECTION REVIEW Class III BY				W. McLemore, Jr.		Apr. 1985	
8. FINAL REVIEW Class III BY				J. Hancock		May, 1985	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Hancock		May, 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 SURVEY

TP-01205

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C. - 10(C) (C=88.46mm) Wild R.C. - 10(B) (B=152.74mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES *				Eastern	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	<input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> TIDE COORDINATED PHOTOGRAPHY **				75th	
coordinated					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 83C(C) 8998-9001	9-12-83	09:06	1:50,000	0.1 below MLW	
* 83C(C) 9048-9053	9-12-83	10:24	1:50,000	3.6 above MLW	
** 83C(I) 0495-0496	10-31-83	11:34	1:50,000	1.7 above MLW	
** 83C(I) 9568-9570	9-28-83	09:39	1:50,000	2.5 above MLW	
** 83C(I) 9580-9581	9-28-83	09:52	1:50,000	3.1 above MLW	
** 83C(I) 9585-9587	9-28-83	10:10	1:50,000	4.3 above MLW	
** 83B(I) 6803-6808	10-10-83	14:03	1:50,000	0.4 above MHW	
** 83B(I) 6810-6815	10-10-83	14:14	1:50,000	at MHW	
Mean Tide Range=18.2 ft.					

REMARKS *Compilation/bridging photographs based on predicted tide data.

**Tide coordinated MHW and MLW photographs based on actual tide data.

All photographs are referenced to the tide gage at Eastport, Maine.

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 tide coordinated black and white infrared MHW contact photographs were used to assist in the interpretation of the MHW 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 MLW 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-01203	EAST TP-01206	SOUTH	WEST
TP-01209*	TP-01209*	No survey	No survey

REMARKS *A portion of the northeast corner of this map is covered by 1:10,000 scale map TP-01209. No mean low water line junction could be made with TP-01209 as no mean low water line was compiled on that map.

TP-01205

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Aug. 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 <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> 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

N.A.

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)

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-01205
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	April 1985	Class III Manuscript	None	None
Final Review	May 1985	Final Class III Map	7/17/85	7/17/85

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
			None

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

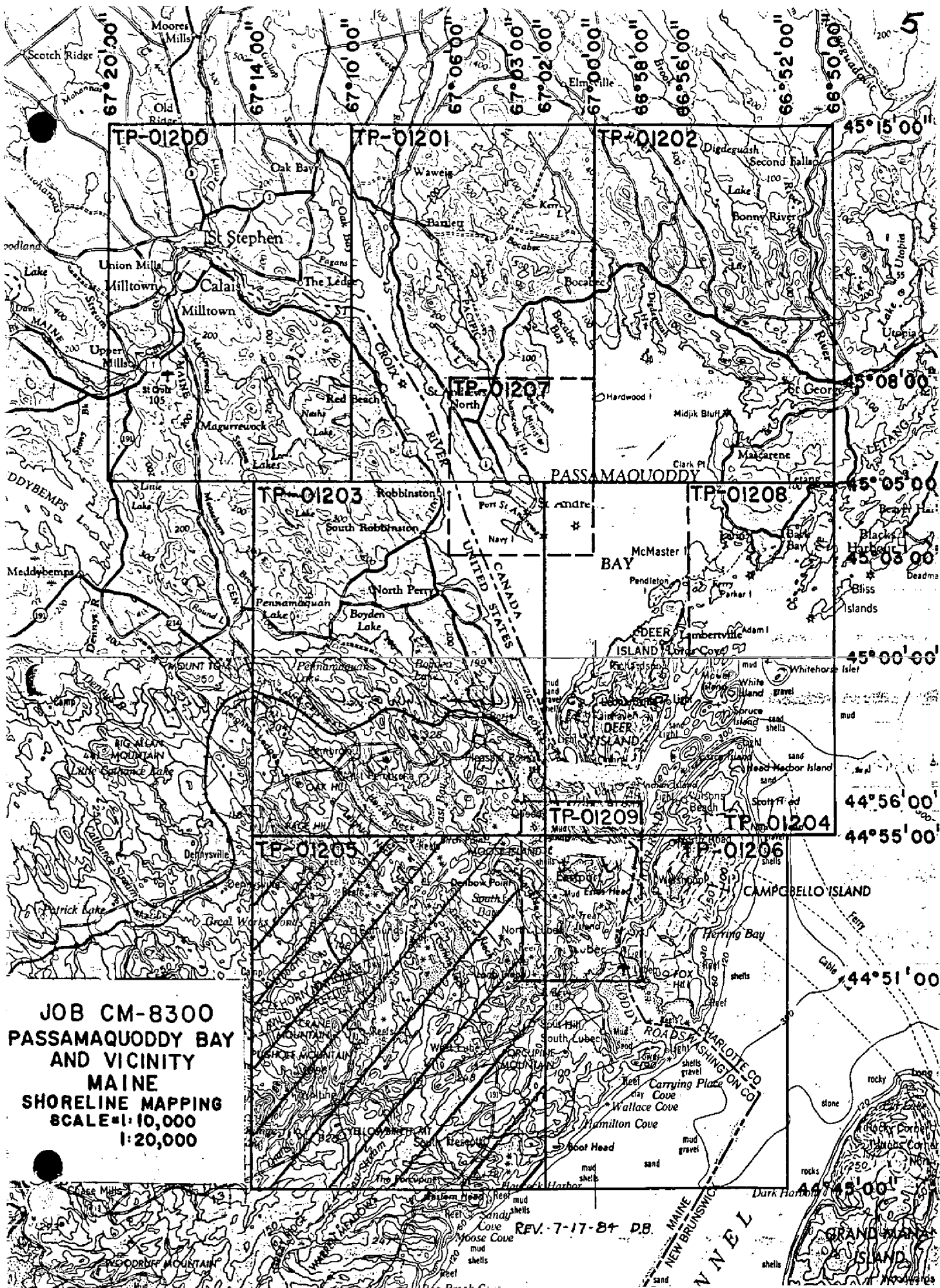
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 507 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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01205

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 shoreline west of Eastport and features the various irregular bay areas leading from Cobscook Bay. This map defines the southwest limit of the project.

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/October 1983 with the Wild RC-10 (C) and (B) cameras. 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 April 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 May 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 ~~inset~~ 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-01205

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

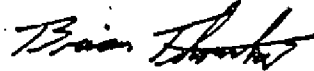
USGS quadrangles were used to provide veritcal control for adjustments.

25. Photography

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

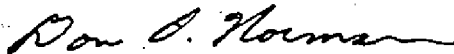
The coverage of the 1983B(R) infrared photographs used for the MHW and MLW is insufficient for sheet TP-01209.

Submitted by:



Brian Thornton

Approved and Forwarded:



Don O. Norman
Chief, Aerotringulation Unit

FIT TO CONTROL

△ = Control Held in Adjustment

<u>STATION NAMES</u>	<u>POINT NO.</u>	<u>VALUES IN FEET</u>	
		<u>X</u>	<u>Y</u>
△ 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

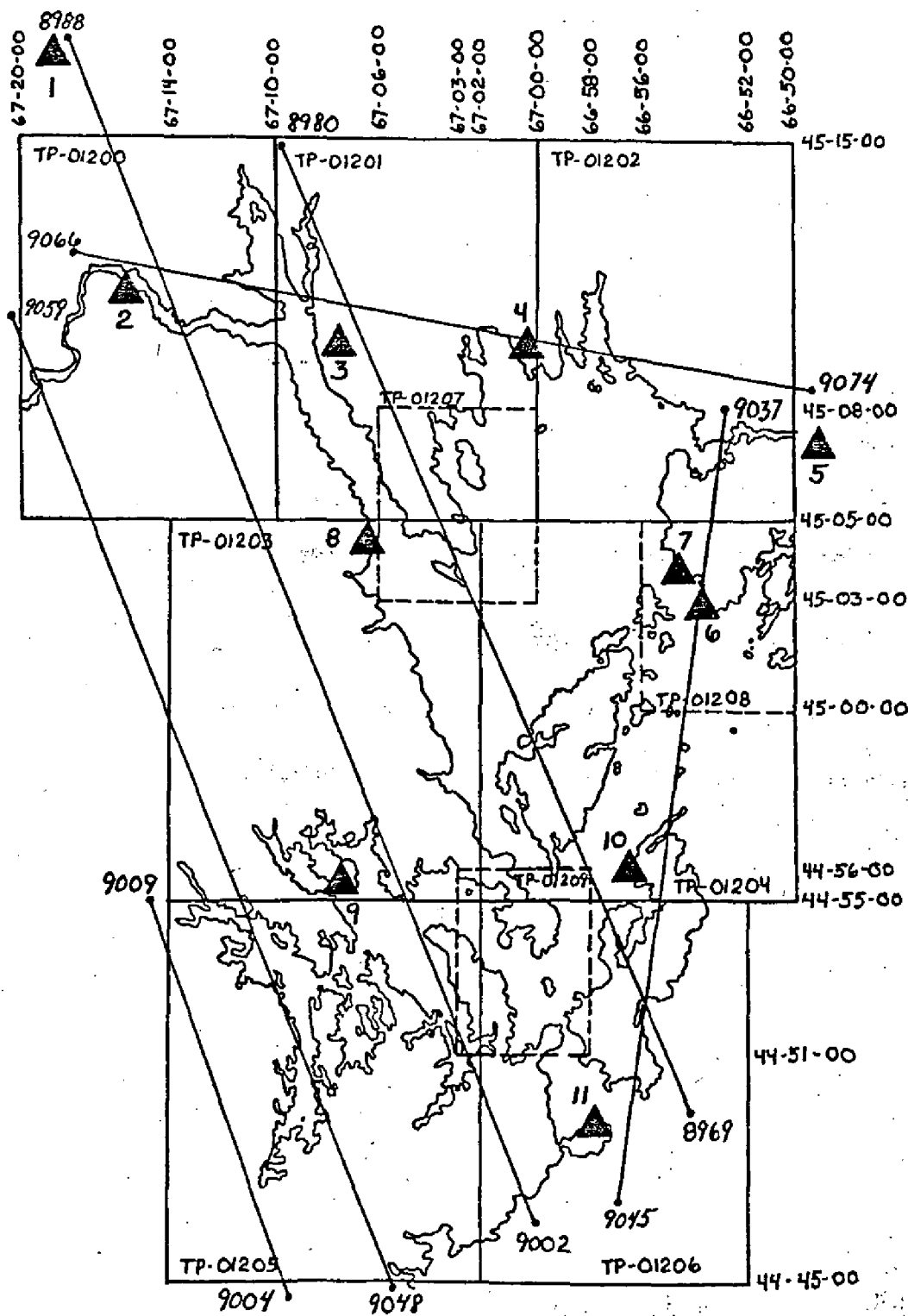
Ratio Values
Bridging Strips

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

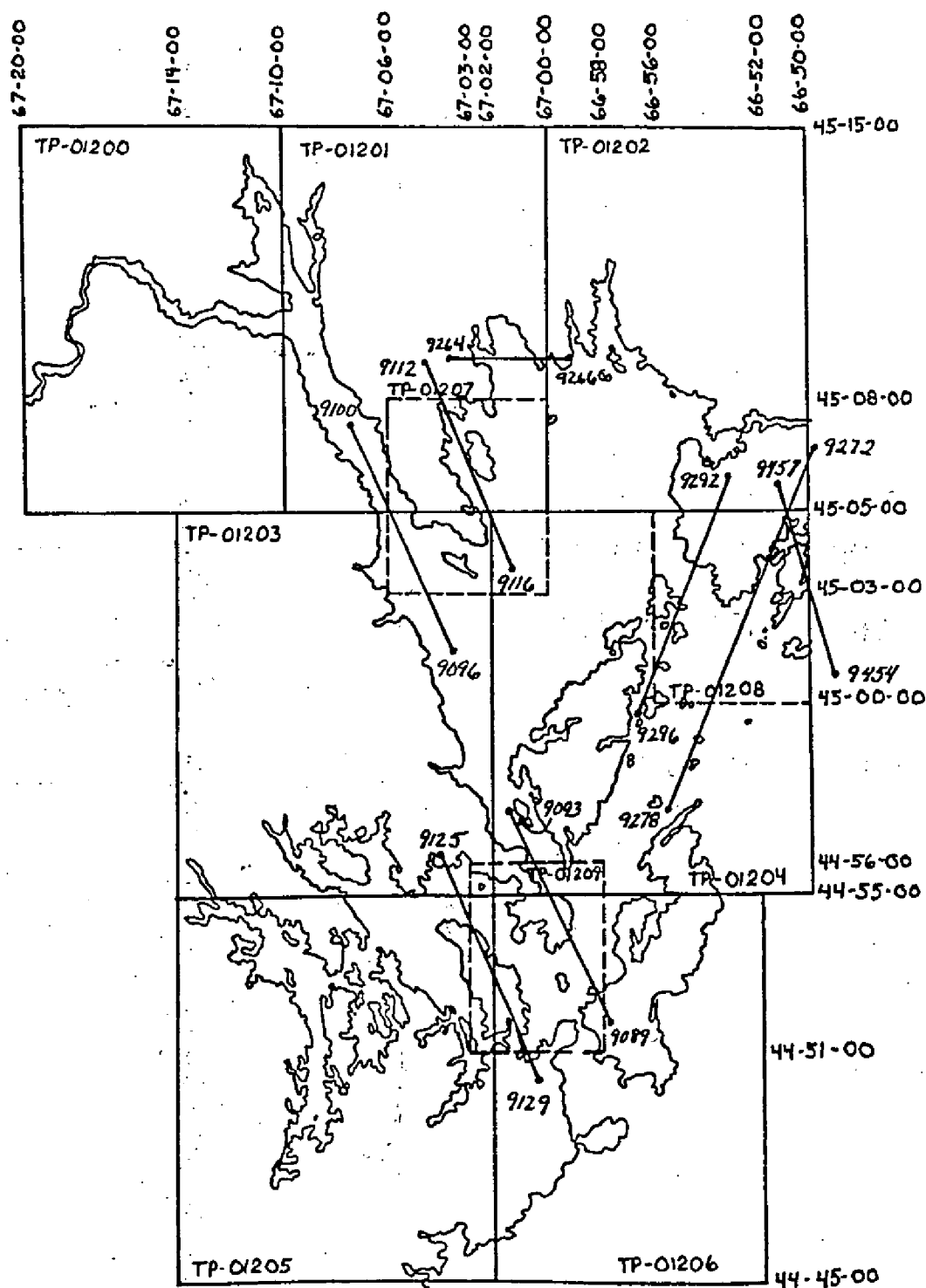
PASSAMAQUODDY BAY

MAINE

CM-8300

1:30000 COMPILATION PHOTOGRAPHS

83C (c)



AEROTRIANGULATION SKETCH

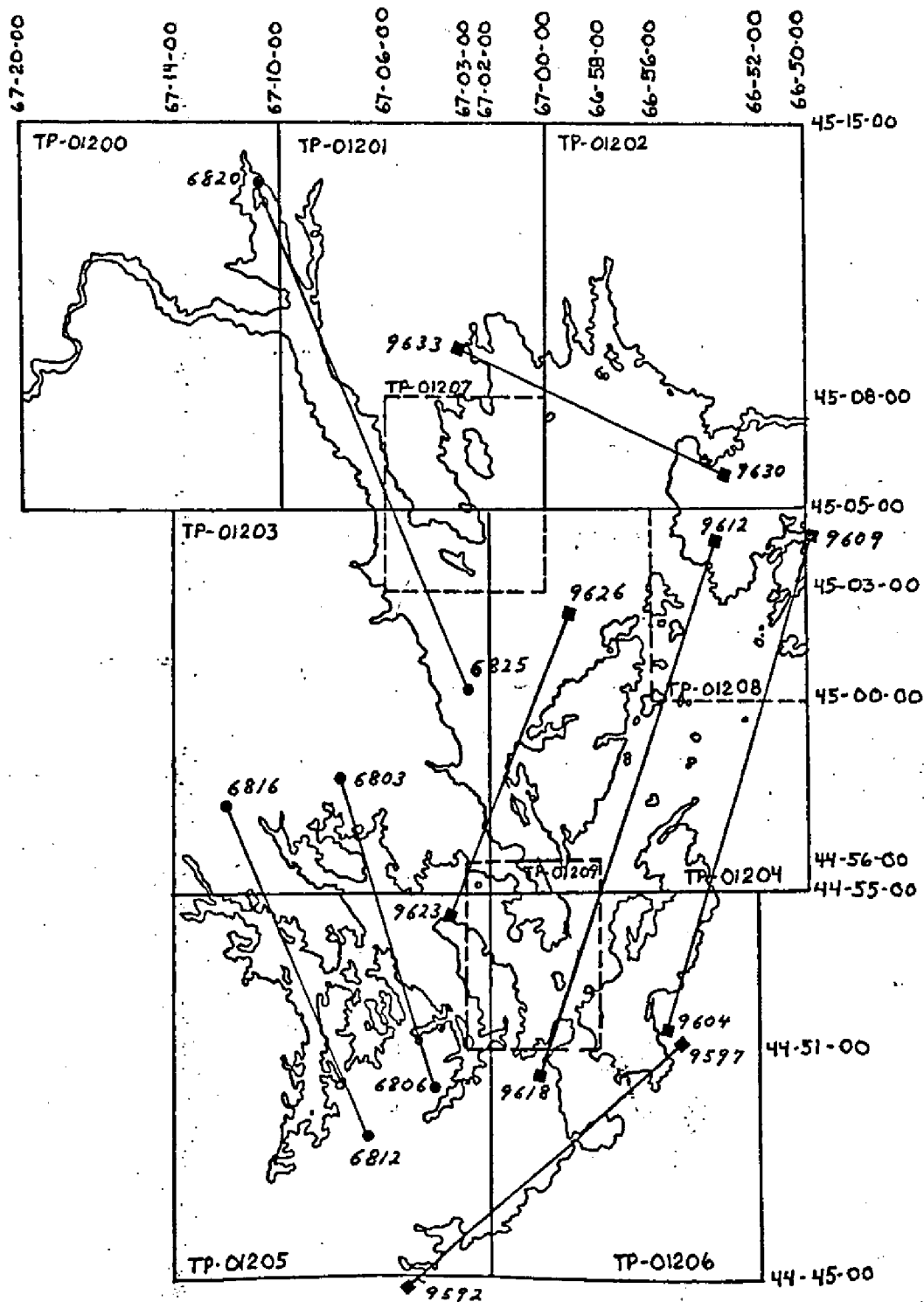
PASSAMAQUODDY BAY

MAINE

CM-8300

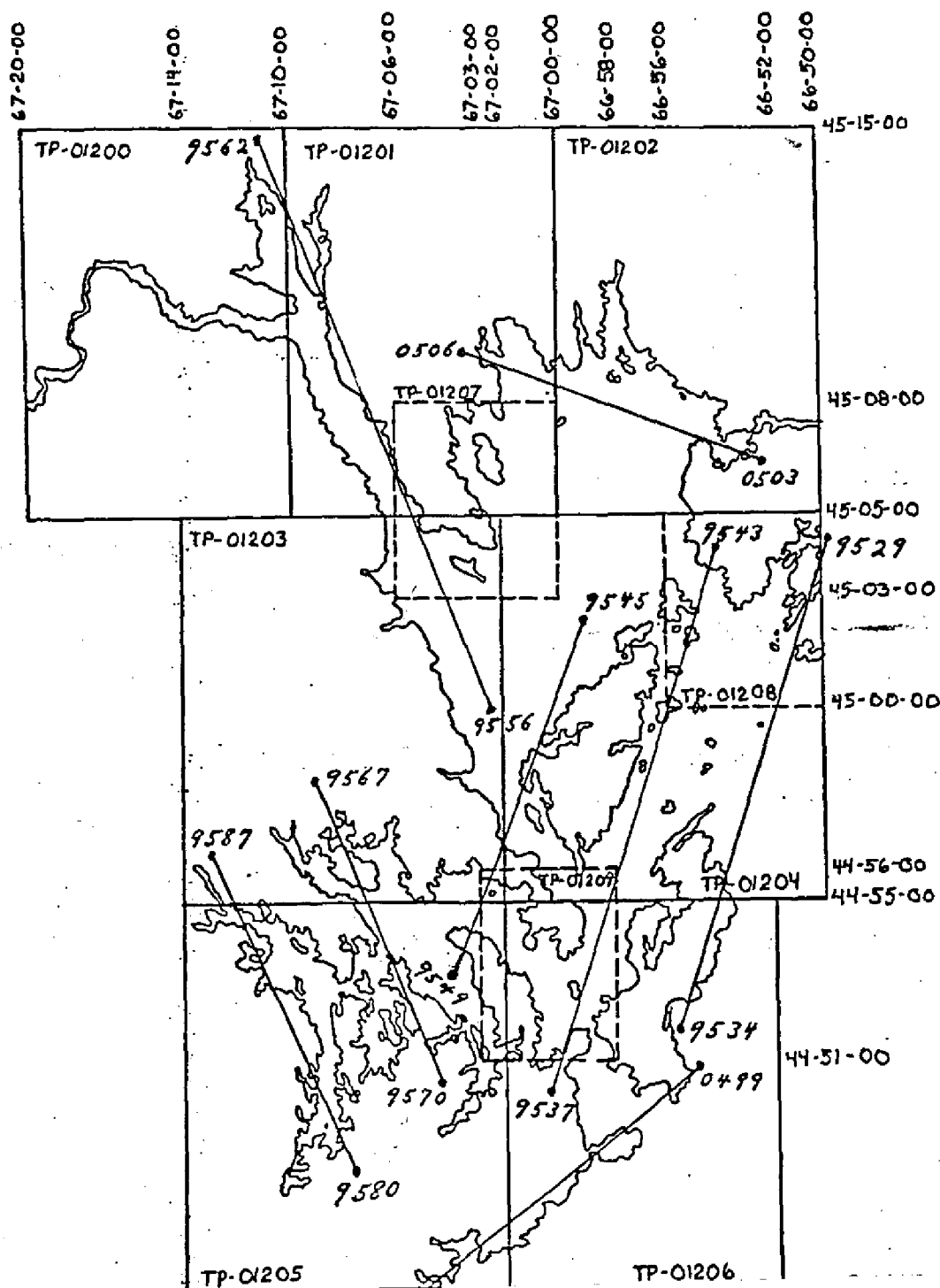
1:50 000 B. & W. INFRARED

MHW ■ 83C(R) • 83B(R)



AEROTRIANGULATION SKETCH
 PASSAMAQUODDY BAY
 MAINE
 CM-8300

1:50000 B. & W. INFRARED
 MLW 83C (R)



AEROTRIANGULATION SKETCH

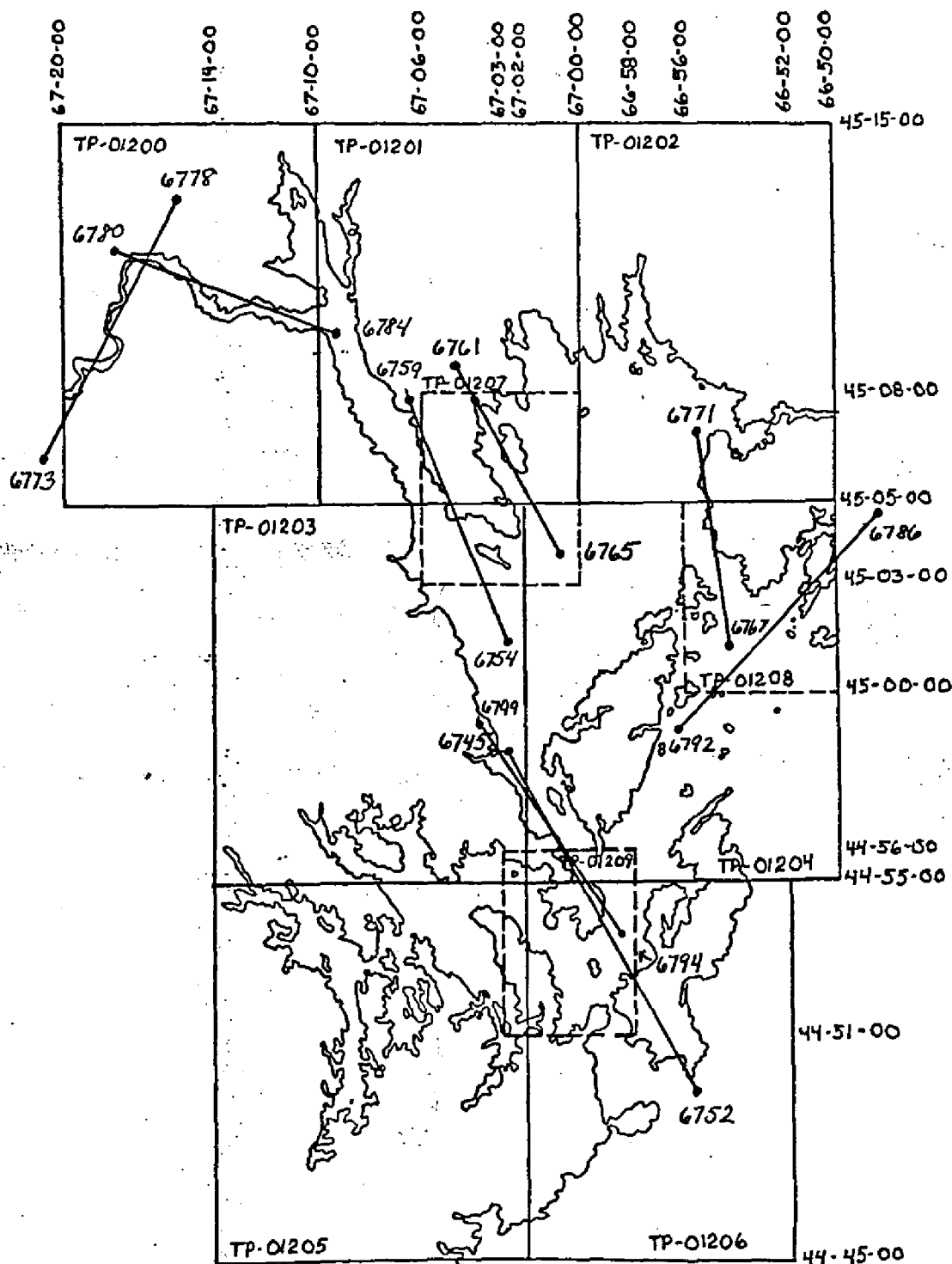
PASSAMAQUODDY BAY

MAINE

CM-8300

1:30000 BLACK AND WHITE INFRARED PHOTOGRAPHS

MHW 83B (R)



AEROTRIANGULATION SKETCH

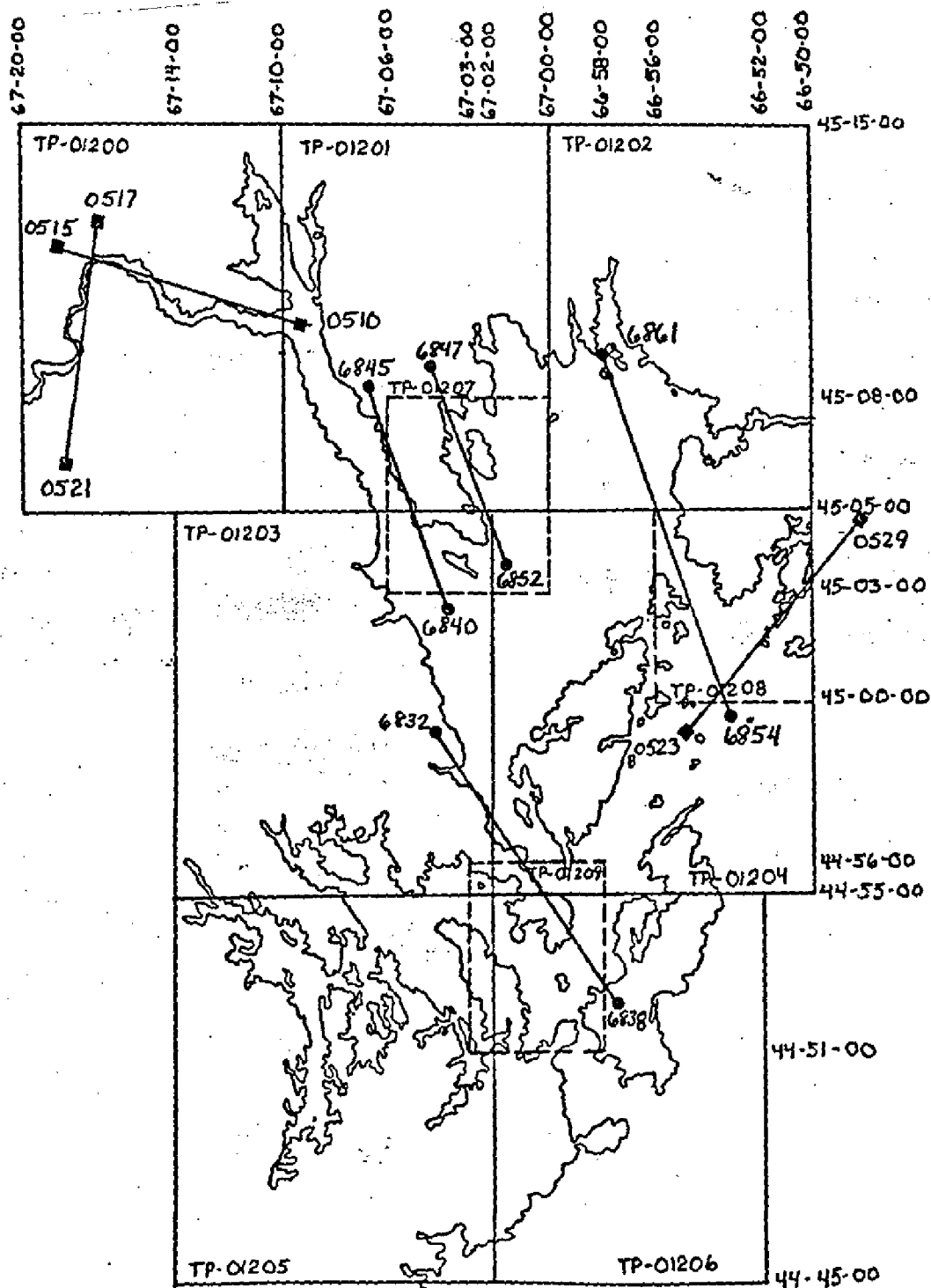
PASSAMAQUODDY BAY

MAINE

CM-8300

1:30000 BLACK AND WHITE INFRARED PHOTOGRAPHS

MLW • 83B(R) ■ 83C(R)



COMPILATION REPORT
TP-01205

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 photos 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 the map are listed on form 76-36B. The photography was adequate.

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 Chart:
4373, 5th edition, dated February 3, 1984, scale 1:36,400.

34 - CONTOURS AND DRAINAGE

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

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 detail was 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.

TP-01205

The MLW infrared photographs were ratioed in order to graphically compile the approximate mean low water line as described in item #31.

37 - LANDMARKS AND AIDS

There are no charted landmarks or aids within the mapping limits of this manuscript.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S.G.S. quadrangles:
Eastport, ME, dated 1949, photorevised 1977, scale 1:24,000
Pembroke, ME, dated 1949, photorevised 1977, scale 1:24,000
Whiting, ME, dated 1949, photorevised 1977, scale 1:24,000
West Lubec, ME, dated 1951, scale 1:24,000
Eastport, ME, U.S., N.S., N.B., Can., dated 1976, scale 1:250,000

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:
13328, 20th edition, dated September 15, 1984, scale 1:40,000.
13327, 14th edition, dated April 7, 1984, scale 1:40,000
13325, 11th edition, dated May 1, 1982, scale 1:80,000

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

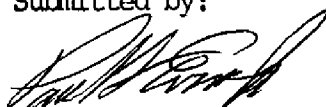
None.

ITEMS TO BE CARRIED FORWARD

None.

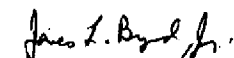
TP-01205

Submitted by:



Paul L. Evans, Jr.
Cartographic Technician
April 4, 1985

Approved:



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8300 (Passamaquoddy Bay, Maine)

TP-01205

Baileys Ledge
Baileys Mistake
Balch Head
Bar Island
Bassett Creek
Bellier Cove
Birch Islands
Birch Point
Birch Point Ledge
Black Head
Broad Cove
Burnt Cove
Burnt Cove Brook
Burnt Island
Carlos Cove
Carryingplace Cove
Case Cove
Clark Point
Cobscook Bay
Cobscook Falls
Coffins Neck
Coffins Point
Commissary Point
Crane Mill Brook
Crow Neck
Denbow Island
Denbow Neck
Denbow Point
Dennys Bay
Dennys River
Dennysville
Dougherty Cove
Dougherty Point
Dram Island
Duck Harbor
East Stream
Eaton Cove
Edgecomb Point
Edmunds
Falls Island
Federal Harbor
Fields Point
Finnegan Brook

Fox Island
Fred's Islands
Gooseberry Island
Gove Point
Grand Manan Channel
Gravelly Point
Hallowell Island
Hardscrabble River
Haycock Harbor
Hinkley Point
Hobart Stream
Hog Island
Horan Head
Huckins Island
Huckins Ledge
Hurley Point
Jims Head
Kelly Point
Leighton Cove
Leighton Neck
Leighton Point (1)
Leighton Point (2)
~~Leighton Rock~~ (removed-feature not mapped) *gnt*
Lily Lake
Little Dram Island
Long Cove
Long Island
Long Island Passage
Mahar Point
Marong Cove
Mink Island
North Trescott
Nutter Cove
Orange River
Ox Cove
Parker Island
Race Point
Raft Cove
Razor Island
Red Island
Red Point
Reynolds Point
Ruth Point

CM-8300

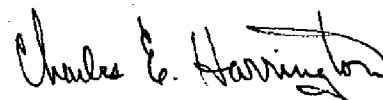
TP-01205

Sal Seal Island
Sandy Cove
Schooner Cove
Scrub Island
Seward Neck
South Bay
South Trescott
Split Hill
Straight Bay
Talbot Cove
Timber Cove
The Pool

Guvspuny Island *gth*
Morrison Cove *gth*

Weir Cove
West Lubec
Whiting
Whiting Bay
Wiggins Brook
Wilber Point
Wilbur Neck
Wilson Ledges
~~Young Cove (1)~~ (Youngs Cove) *gth*
Youngs Cove (2)
Youngs Point

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE

TP-01205

61 - GENERAL STATEMENT:

Final review for this final Class III map was accomplished at the Atlantic Marine Center May 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.G.S. quadrangles:
West Lubec, ME, dated 1951, scale 1:24,000
Pembroke, ME, dated 1949, photorevised 1977, scale 1:24,000
Whiting, ME, dated 1949, photorevised 1977, scale 1:24,000
Eastport, ME, dated 1949, photorevised 1977, scale 1:24,000
Eastport, ME, U.S., N.S., N.B., Canada, dated 1976, scale, 1:250,000.

A comparison was made with the following Canadian Hydrographic Service Chart:
4373, 5th edition, dated Feb. 3, 1984, scale 1:36,400

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEY:

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:

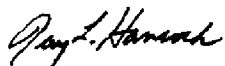
A comparison was made with the following NOS charts:
13328, 20th edition, dated Sept. 15, 1984, scale 1:40,000
13327, 14th edition, dated April 7, 1984, scale 1:40,000
13325, 11th edition, dated May 1, 1982, scale 1:80,000

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS:

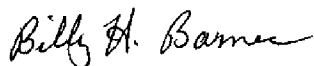
This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

TP-01205

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

