

TP-01200

TP-01200

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

Map No.

TP-01200

Edition No.

1

Job No.

CM-8300

Map Classification

CLASS III (FINAL)

Type of Survey

SHORELINE

LOCALITY

State

MAINE, U.S.A. - NEW BRUNSWICK, CANADA

General Locality

PASSAMAQUODDY BAY

Locality

CALAIS

1983 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72) <div style="text-align: center; margin-top: 5px;"> U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. </div> <div style="text-align: center; margin-top: 20px;"> DESCRIPTIVE REPORT - DATA RECORD </div>		<div style="border-bottom: 1px solid black; padding-bottom: 5px;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> SURVEY TP. <u>01200</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>CM-8300</u> </div>					
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic-Marine Center, Norfolk, VA OFFICER-IN-CHARGE A. Y. Bryson, CDR		<div style="border-bottom: 1px solid black; padding-bottom: 5px;"> LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> JOB <u>PH-</u> MAP CLASS <u></u> SURVEY DATES: <u>19</u> TO <u>19</u> </div>					
I. INSTRUCTIONS DATED							
1. OFFICE		2. FIELD					
Aerotriangulation June 5, 1984 Compilation March 1, 1985		Control August 12, 1983					
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)					
2. VERTICAL: <div style="display: inline-block; vertical-align: top; margin-left: 10px;"> <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 </div>		OTHER (Specify)					
3. MAP PROJECTION Transverse Mercator Projection		4. GRID(S) <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; border-bottom: 1px solid black; padding: 2px;">STATE Maine</td> <td style="width:50%; border-bottom: 1px solid black; padding: 2px;">ZONE East</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">STATE</td> <td style="border-bottom: 1px solid black; padding: 2px;">ZONE</td> </tr> </table>		STATE Maine	ZONE East	STATE	ZONE
STATE Maine	ZONE East						
STATE	ZONE						
5. SCALE 1:20,000		STATE ZONE					
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS		NAME	DATE				
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		<u>B. Thornton</u>	<u>Aug. 1984</u>				
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Calcomp 718</u> CHECKED BY		<u>B. Thornton</u> <u>D. Norman</u>	<u>Aug. 1984</u> <u>Oct. 1984</u>				
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY		<u>R. Kravitz</u> <u>W. McLemore, Jr.</u> <u>N.A.</u> <u>N.A.</u>	<u>March 1985</u> <u>March 1985</u>				
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: <u>Smooth drafted</u> CHECKED BY SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY		<u>R. Kravitz</u> <u>W. McLemore, Jr.</u> <u>N.A.</u> <u>N.A.</u> <u>N.A.</u> <u>N.A.</u>	<u>April 1985</u> <u>May 1985</u>				
5. OFFICE INSPECTION PRIOR TO FIELD <u>Final Review</u> BY		<u>W. McLemore, Jr.</u>	<u>May 1985</u>				
6. APPLICATION OF FIELD EDIT DATA BY		<u>N.A.</u>					
7. COMPILATION SECTION REVIEW <u>Class III</u> BY		<u>W. McLemore, Jr.</u>	<u>May 1985</u>				
8. FINAL REVIEW <u>Class III</u> BY		<u>J. Hancock</u>	<u>May 1985</u>				
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		<u>J. Hancock</u>	<u>May 1985</u>				
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		<u>P. Dempsey</u>	<u>DEC. 1985</u>				
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		<u>E. DAUGHERTY</u>	<u>FEB 1986</u>				

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

TP-01200

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

☒ 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
*	83C(C) 8991-8993	09-12-83	09:06	1:50,000	0.1 below MLW
*	83C(C) 9066-9068	09-15-83	08:33	1:50,000	8.4 above MLW
**	83C(I) 0510-0513	10-31-83	12:16	1:30,000	0.6 above MLW
**	83C(I) 0517-0518	10-31-83	12:34	1:30,000	0.4 above MLW
**	83C(I) 9560-9562	09-28-83	09:26	1:50,000	2.1 above MLW
**	83B(I) 6775-6777	10-10-83	13:06	1:30,000	1.0 above MHW
**	83B(I) 6780-6784	10-10-83	13:14	1:30,000	1.0 above MHW
**	83B(I) 6820-6821	10-10-83	14:28	1:50,000	0.6 below 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 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	EAST	SOUTH	WEST
No survey	TP-01201	TP-01203	No survey

REMARKS

TP-01200

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 P. Walbolt	Aug. 1983
	ESTABLISHED BY P. Walbolt	Aug. 1983
	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	
	<input type="checkbox"/> COMPLETE BY	
	<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

(Premarked (Paneled))

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
83C(C)9066	Box 2, 1946 (sub point paneled)		
83C(C)8988	New Brunswick Disk #2185 (paneled direct; station is located just beyond northern limit of this map)		

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)

2 NOAA Forms 76-53 (CSI Card)

Project data: 1 NOAA form 76-77

1 NOAA Form 76-52

1 NOAA form 77-53

1 NOAA Form 75-63

1 NOAA form 76-52

1 NOAA Form 76-86

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-01200
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	May 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 (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		7/17/85	Nonfloating aids for charts

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

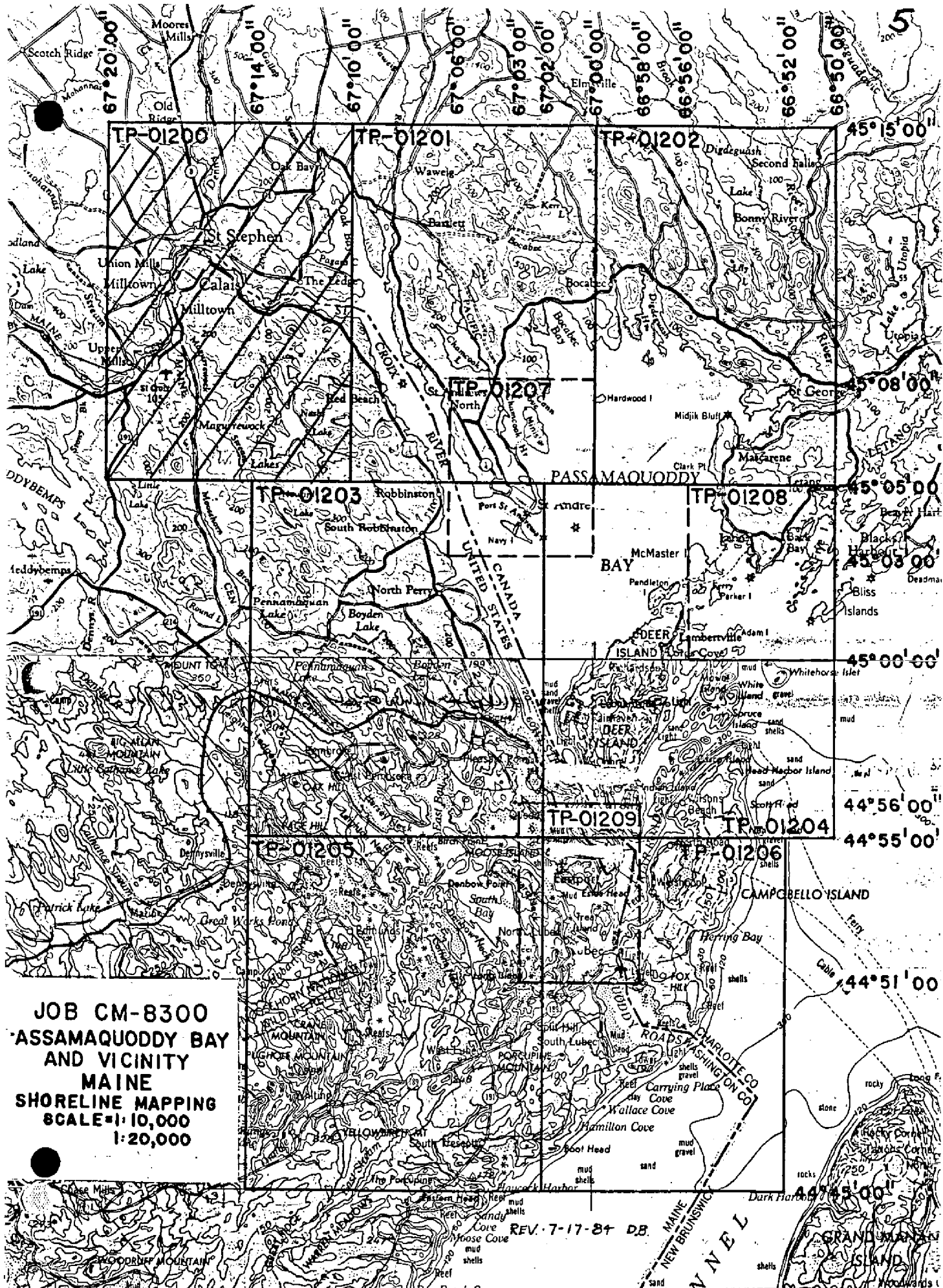
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 76-40 ~~76-40~~ SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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 <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	

NOAA FORM 76-36D



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01200

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 featuring Oak Bay and the northern region of St. Croix River. This map defines the northwest 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 (B) and (C) cameras. Both the 1:30,000 and 1:50,000 scale tide coordinated infrared photographs were used to compile this map. 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 May 1985. Compilation included the use of 1:30,000 and 1:50,000 scale 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-01200

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

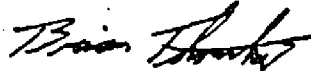
USGS quadrangles were used to provide veritcal control for adjustments.

25. Photography

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

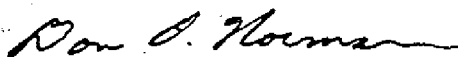
The coverage of the 1983B(R) infrared photographs used for the MHW and MLW is insufficient for sheet TP-01209.

Submitted by:



Brian Thornton

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation 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

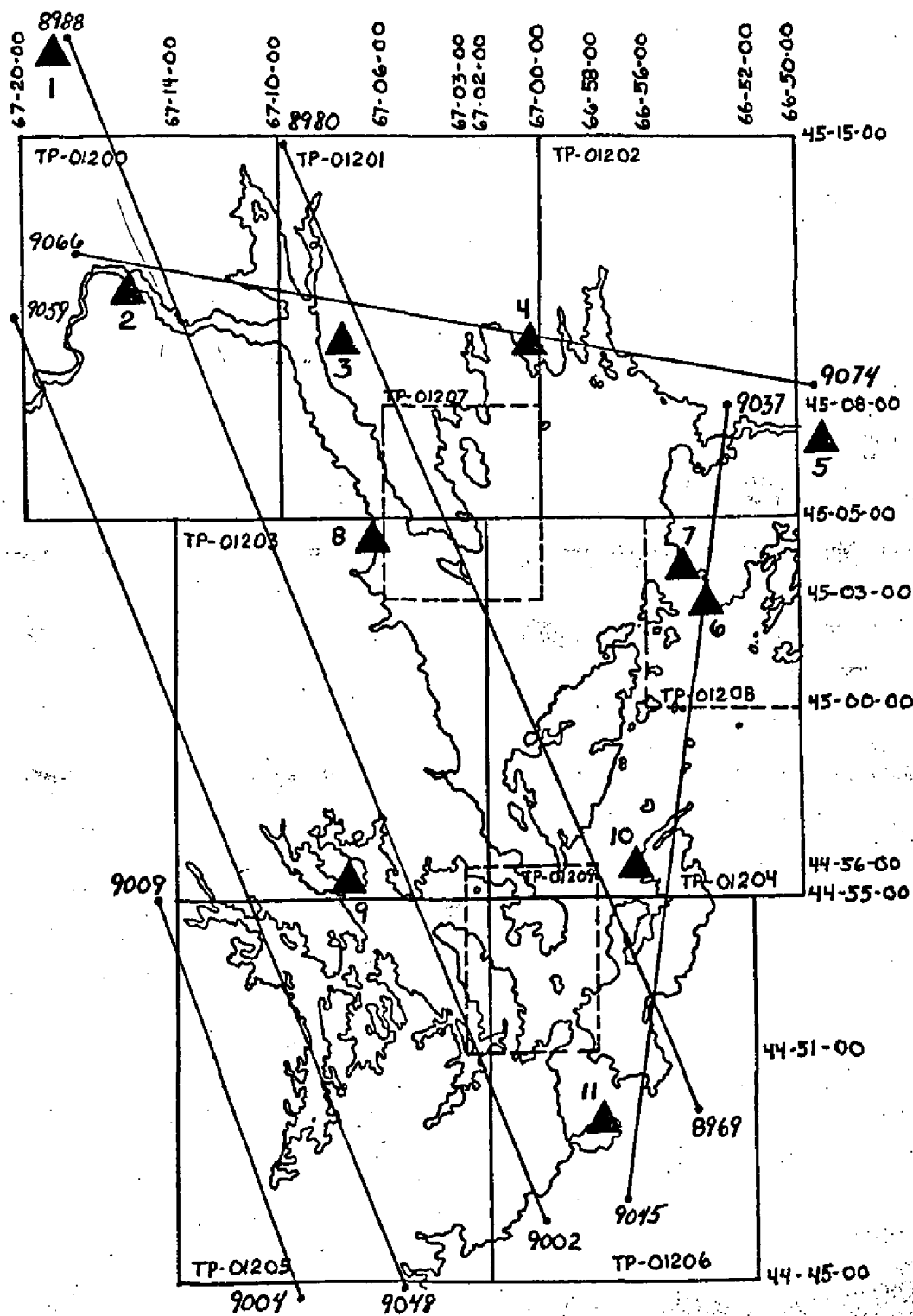
Ratio Values
Bridging Strips

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

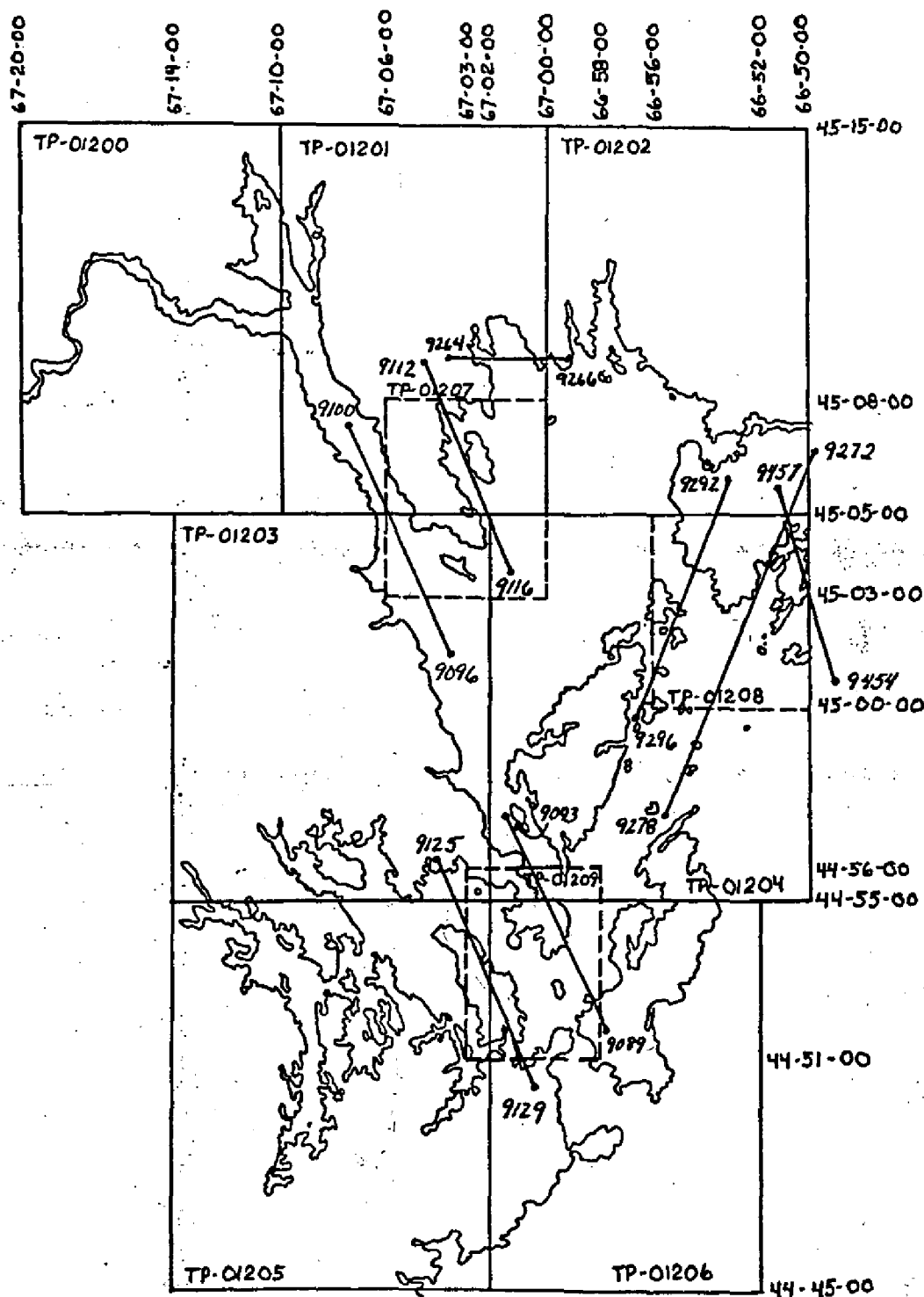
Compilation Photography

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

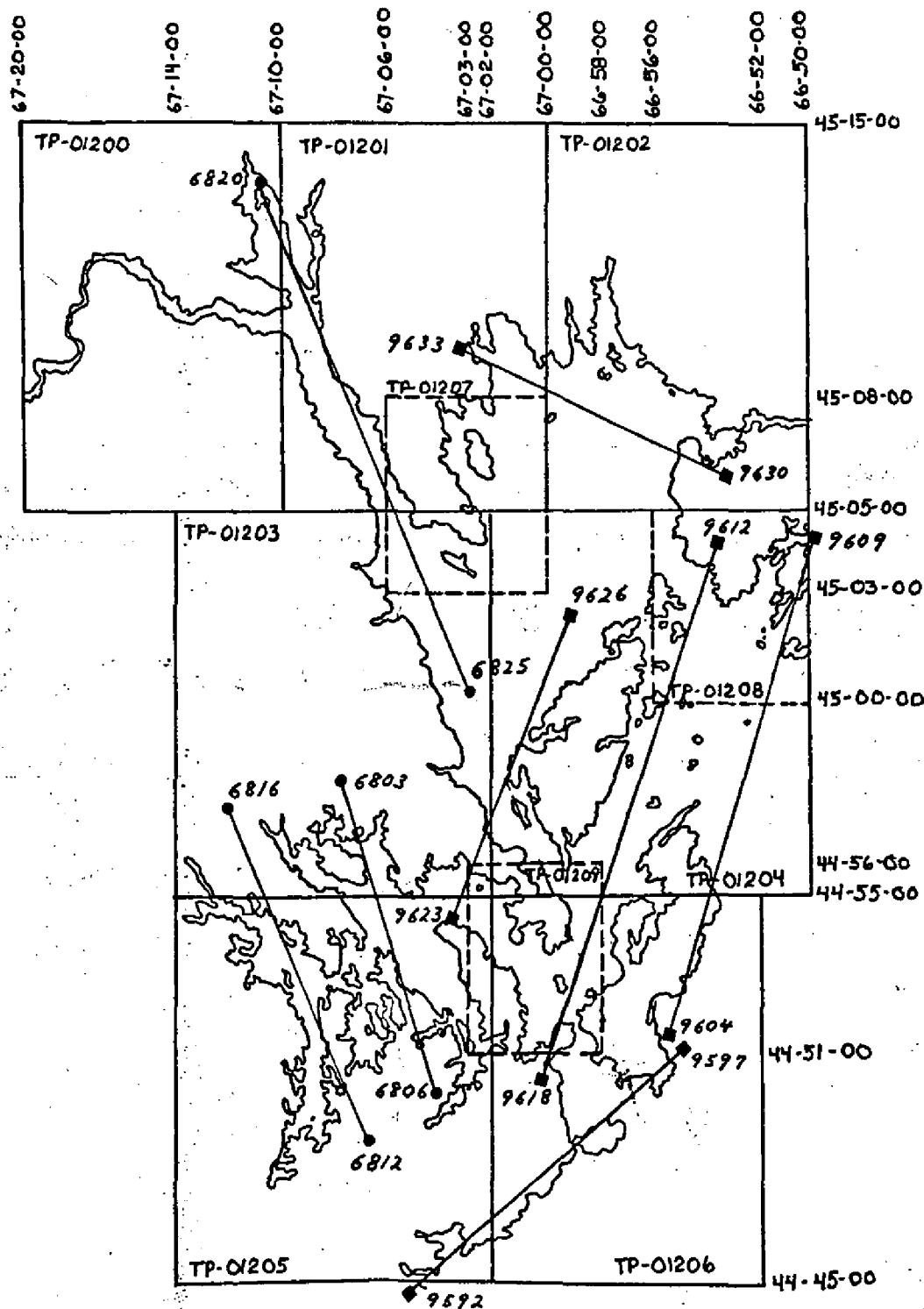
PASSAMAQUODDY BAY

MAINE

CM-8300

1:50 000 B. & W. INFRARED

MHW ■ 83C(R) • 83B(R)



AEROTRIANGULATION SKETCH

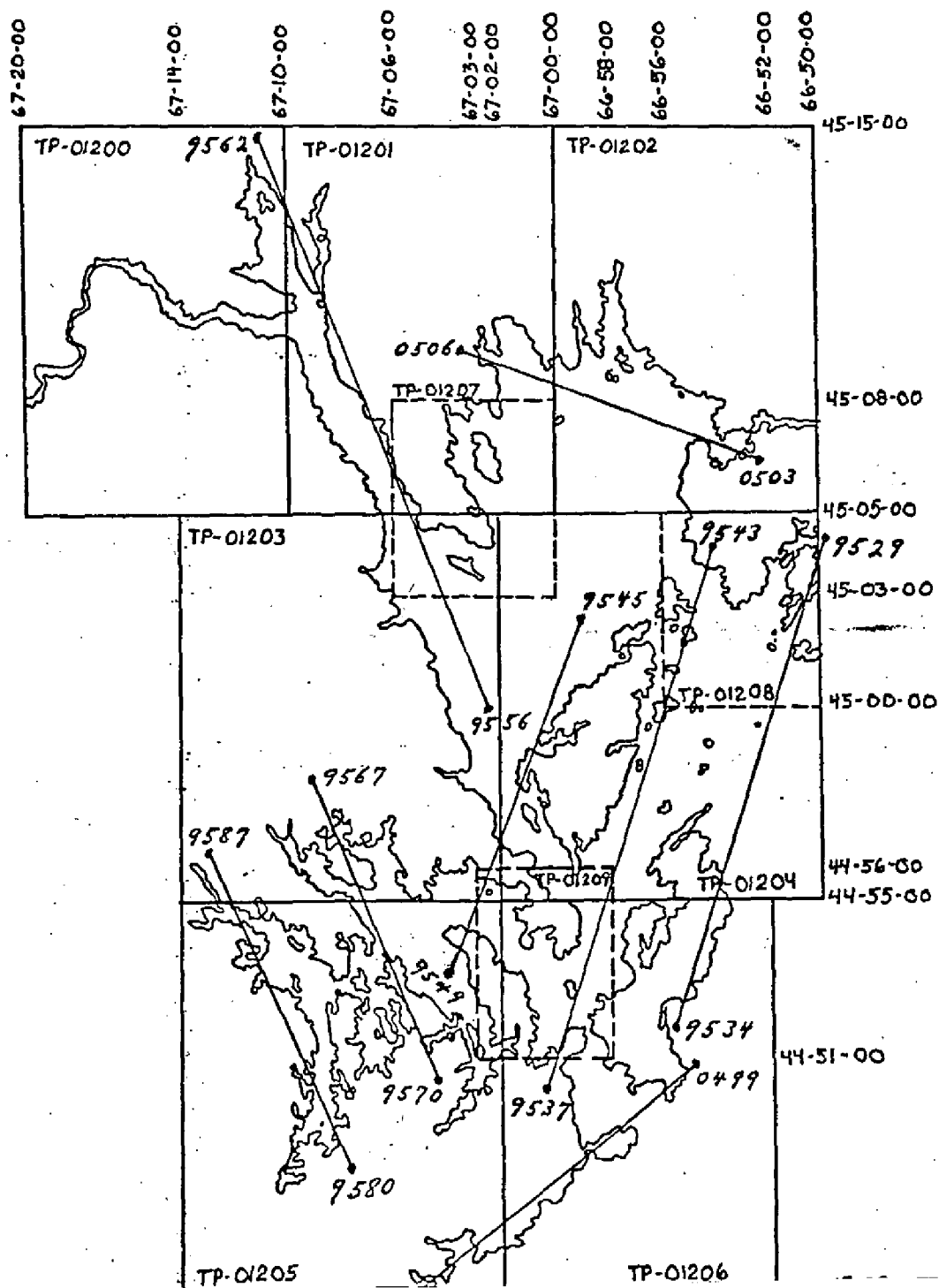
PASSAMAQUODDY BAY

MAINE

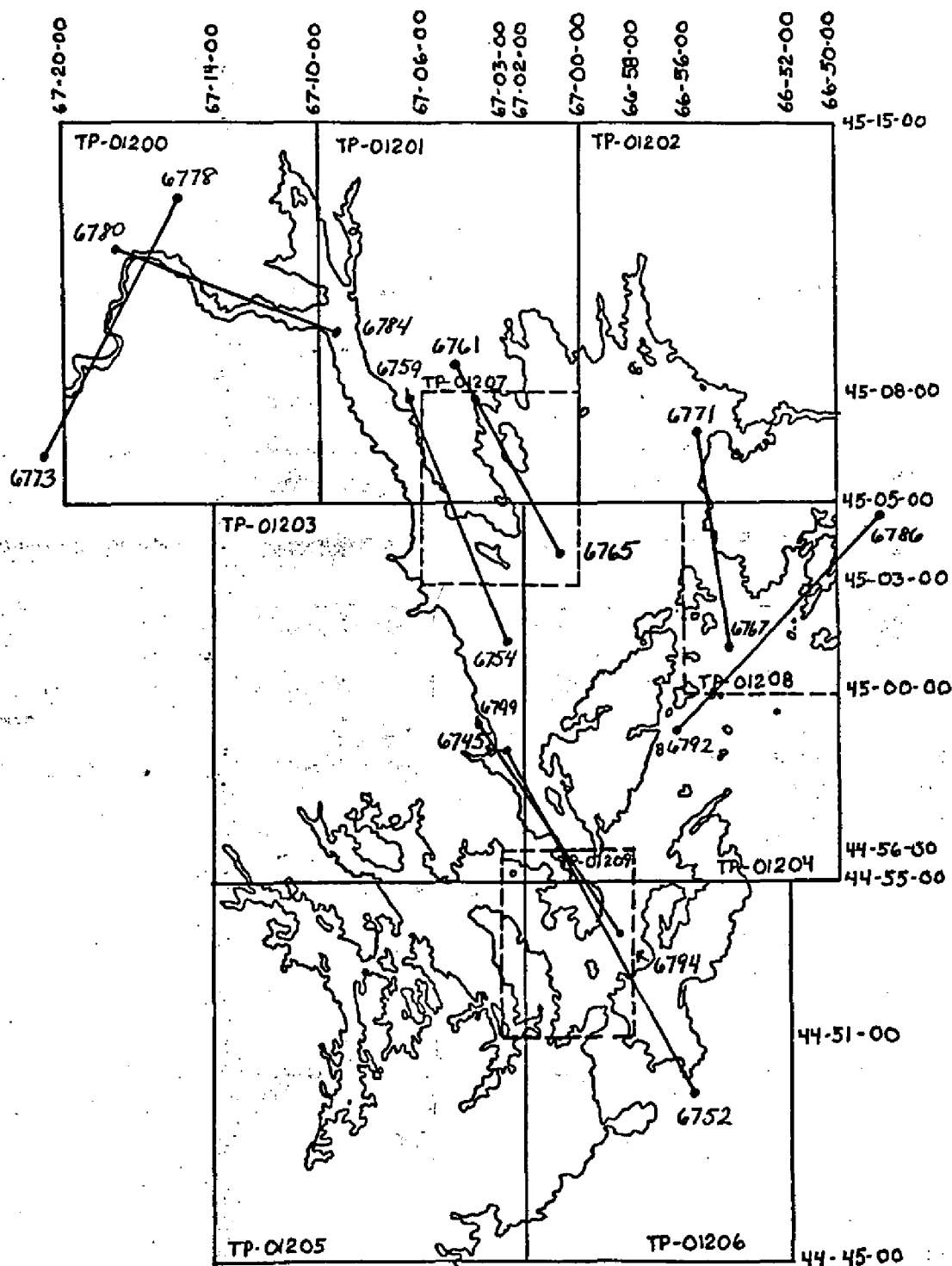
CM-8300

1:50 000 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

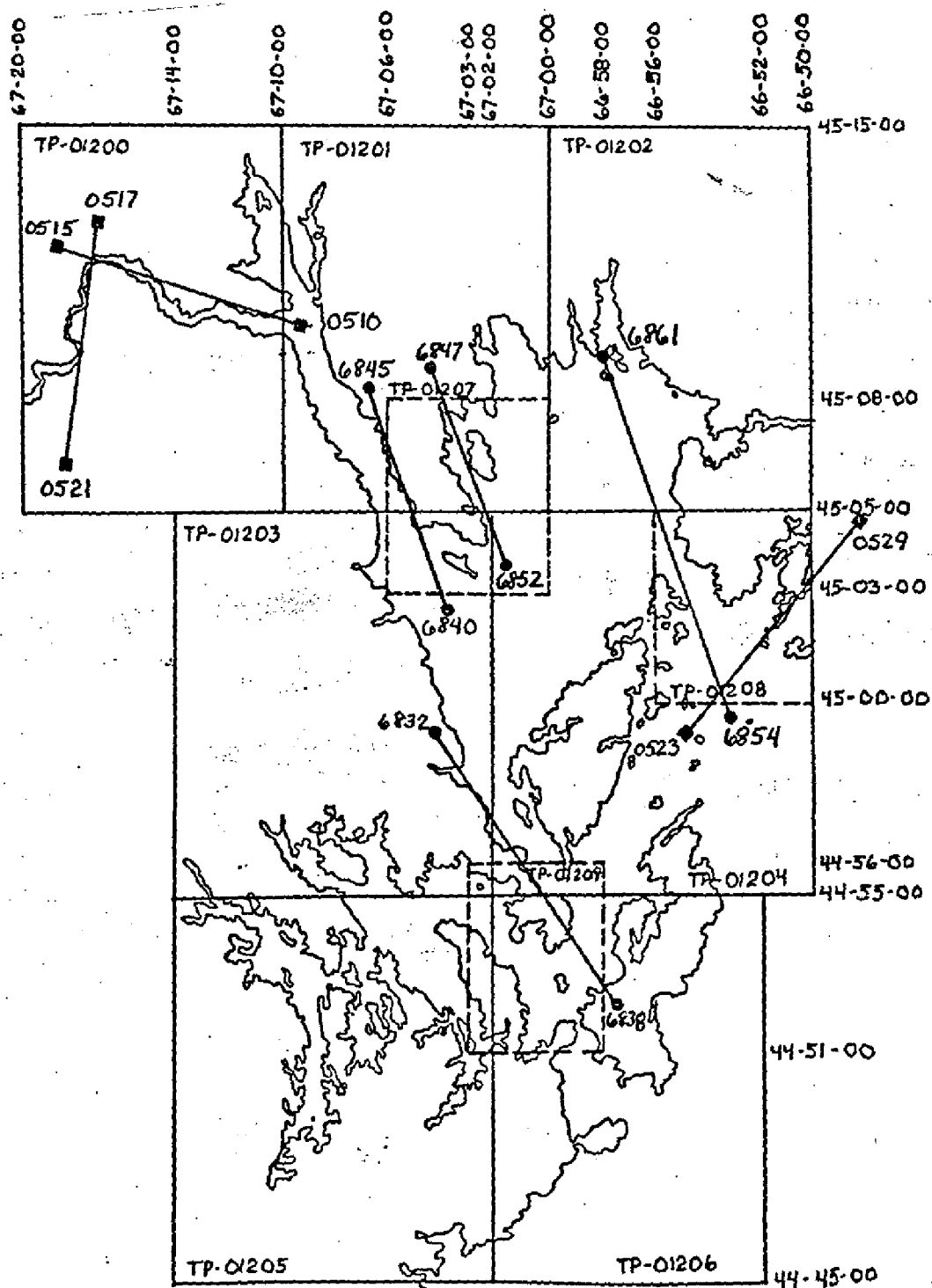
PASSAMAQUODDY BAY

MAINE

CM-8300

1:30000 BLACK AND WHITE INFRARED PHOTOGRAPHS

MLW • 83B(R) ■ 83C(R)



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY	REMARKS
TP-01200	CM-8300	N.A. 1927	Unit, AMC, Norfolk, VA	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Mainé ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE
BOX 2, 1946	Quad. 450672 Sta. 1011	66100	X=	φ 45 11 12.628
			Y=	λ 67 16 02.516
ST. STEPHENS METHODIST CHURCH, SPIRE (IBC), 1909	IBC p. 392	66158	X=	φ 45 11 40.666
			Y=	λ 67 16 34.070
ST. STEPHENS ENGLISH CHURCH, 1866	IBC p. 393	66159	X=	φ 45 11 37.567
			Y=	λ 67 16 20.484
			X=	φ
			Y=	λ
			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		DATE	COMPUTATION CHECKED BY	DATE
LISTED BY R. Kravitz		DATE 3-18-85	LISTING CHECKED BY W. McLeomore, Jr.	DATE 4-25-85
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY	DATE

COMPILATION REPORT
TP-01200

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 compilation color photographs. Tide coordinated MHW infrared 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:
4331, edition 27, dated July 8, 1983, scale 1:40,640.

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. The 1:30,000 scale MHW and MLW photographs as well as the 1:50,000 scale MHW and MLW photographs were used to assist in interpretation.

TP-01200

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 is 1 charted landmark and 3 charted navigational aids within the mapping limits of this manuscript. Among these, 1 aid was located 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:

Calais, ME, dated 1949, photorevised 1977, scale 1:24,000
Fredericton, N.B. Can.; Maine, U.S.; NL 19-9 1957; scale 1:250,000
Devil's Head, Me., 1949, Photorevised 1977, scale 1:24,000
Red Beach, Me., 1949, scale 1:24,000
Calais, ME, dated 1929, scale 1:62,500
St. Stephen, Canada-U.S.A., 21 G/3, edition 4, scale 1:50,000.

47 - COMPARISON WITH NAUTICAL CHARTS

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


None.

ITEMS TO BE CARRIED FORWARD

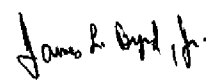
None.

TP-01200

Submitted by:


Robert R. Kravitz
Cartographic Technician
April 1, 1985

Approved:


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

GEOGRAPHIC NAMES

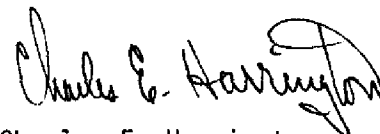
FINAL NAME SHEET

CM-8300 (Passamaquoddy Bay, Maine)

TP-01200

Calais
Campbell Point
Canadian Pacific (RY)
Cranberry Point
Crocker Island
Denny Stream
Hills Point
Knights Point
Long Point
McVicar Island
Mark Point
Miller Point
Milltown (Maine)
Milltown (New Brunswick)
Oak Bay
Oak Haven
Pagans Cove
Pine Point
Raven Head
St. Croix River
St. Stephen
Spoon Island
Spruce Point
The Ledge
The Narrows
Todd Point
Union Mills
Whitlocks Mill (locality)
Oak Bay (locality) *gkh*
Maine Central (RR) *gkh*

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
TP-01200
SHORELINE

61 - GENERAL STATEMENT

Final review for this final class III map was accomplished at the Atlantic Marine Center in 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. and Canadian quadrangles:

Calais, ME, dated 1949, photorevised 1977, scale 1:24,000

Devils Head, ME, 1949, photorevised 1977, scale 1:24,000

Red Beach, ME, 1949. scale 1:24,000

Fredericton, N.B. Can-Maine, U.S.; NL 19-9, 1957, scale 1:250,000

St. Stephen, Canada-U.S.A., 21 G/3, 4th edition, scale 1:50,000.

A comparison was made with the following Canadian Hydrographic Service chart:

4331, 27th edition, dated 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

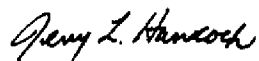
A comparison was made with NOS chart 13328, 20th edition, dated September 15, 1984, scale 1:40,000.

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-01200

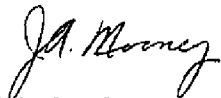
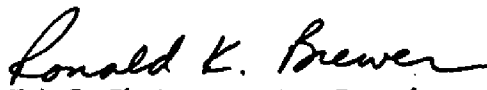
Submitted by,

Jerry L. Hancock
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved:

Chief, Photogrammetric Section,
RockvilleChief, Photogrammetry Branch,
Rockville

[illegible]

RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Robert R. Kravitz	OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> 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 P - Photogrammetric

L - Located Vis - Visually

V - Verified

1 - Triangulation 5 - Field identified

2 - Traverse 6 - Theodolite

3 - Intersection 7 - Planetable

4 - Resection 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.

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.

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-01200 (CM-8300)

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]