

TP-01201

TP-01201

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
<i>Map No.</i> TP-01201	<i>Edition No.</i> 1
<i>Job No.</i> CM-8300	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
<h2>LOCALITY</h2>	
<i>State</i> MAINE, U.S.A. - NEW BRUNSWICK, CANADA	
<i>General Locality</i> PASSAMAQUODDY BAY	
<i>Locality</i> ST. CROIX RIVER	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19 83 TO 19 </div>	
<h2>REGISTERED IN ARCHIVES</h2>	
<i>DATE</i>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																	
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED									
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<input type="checkbox"/> RESURVEY																			
<input type="checkbox"/> REVISED																			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE A. Y. Bryson, CDR		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TP-01201</td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS III (Final)</td> </tr> <tr> <td colspan="2">JOB PH CM-8300</td> </tr> </table>		SURVEY TP-01201		MAP EDITION NO. (1)		MAP CLASS III (Final)		JOB PH CM-8300									
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JOB PH CM-8300																			
I. INSTRUCTIONS DATED		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td colspan="2">JOB PH- _____</td> </tr> <tr> <td colspan="2">MAP CLASS _____</td> </tr> <tr> <td colspan="2">SURVEY DATES: 19__ TO 19__</td> </tr> </table>		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__	
LAST PRECEDING MAP EDITION																			
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JOB PH- _____																			
MAP CLASS _____																			
SURVEY DATES: 19__ TO 19__																			
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: <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) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE Maine</td> <td style="width: 50%;">ZONE East</td> </tr> </table>		STATE Maine	ZONE East														
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	Aug. 1984																
		B. Thornton	Aug. 1984																
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp 718 CHECKED BY		B. Thornton	Oct. 1984																
		D. Norman	Oct. 1984																
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		R. Kravitz	Feb. 1985																
		W. McLemore	Feb. 1985																
INSTRUMENT: Wild B-8 SCALE: 1:20,000 CONTOURS BY		N.A.																	
		N.A.																	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		R. Kravitz	March 1985																
		F. Mauldin	April 1985																
METHOD: Smooth drafted CONTOURS BY		N.A.																	
		N.A.																	
SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		N.A.																	
		N.A.																	
5. OFFICE INSPECTION PRIOR TO Final Review BY		F. Mauldin	April 1985																
		N.A.																	
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		N.A.																	
		N.A.																	
7. COMPILATION SECTION REVIEW Class III BY		F. Mauldin	April 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		C. Dempsey	Dec. 1985																
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. DAGHERTY	FEB 1986																

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-01201
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-10(B), (B=152.74mm) Wild R.C.-10(C) (C=88.46mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES * <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE COORDINATED PHOTOGRAPHY ** coordinated				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 83C(C) 8976-8978	9-12-83	08:43	1:50,000	0.2 feet below MLW	
* 83C(C) 9068-9071	9-15-83	08:33	1:50,000	8.4 feet above MLW	
** 83C(I) 0505-0506	10-31-83	11:58	1:50,000	0.9 feet above MLW	
** 83C(I) 9559-9561	9-28-83	09:25	1:50,000	2.1 feet above MLW	
** 83C(I) 0510-0511	10-31-83	12:17	1:30,000	0.6 feet above MLW	
** 83B(I) 6820-6823	10-10-83	14:28	1:50,000	0.6 feet below MHW	
** 83C(I) 9632-9633	9-28-83	14:40	1:50,000	0.5 feet 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.

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	EAST	SOUTH	WEST
No survey	TP-01202	TP-01207 *(inset) TP-01203 TP-01204	TP-01200

REMARKS

*This manuscript has an inset, TP-01207, scale 1:10,000, which lies in the south-east quadrant.

TP-01201

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 R. Daniel	Aug. 1983
	ESTABLISHED BY R. Daniel	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 R. Daniel	Aug. 1983
	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

Paneled

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
83C(C)9071	NEW BRUNSWICK DISK #2236 (Sub Pt. paneled)		
83C(C)8978	TABLE TOP, 1866 (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 ☒ 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 Forms, 76-53 CSI cards; Project data: 1 NOAA Form 76-77 and 1 NOAA Form 76-52
1 NOAA Form 77-53

NOAA FORM 76-36D
(3-72)TP-01201
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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 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

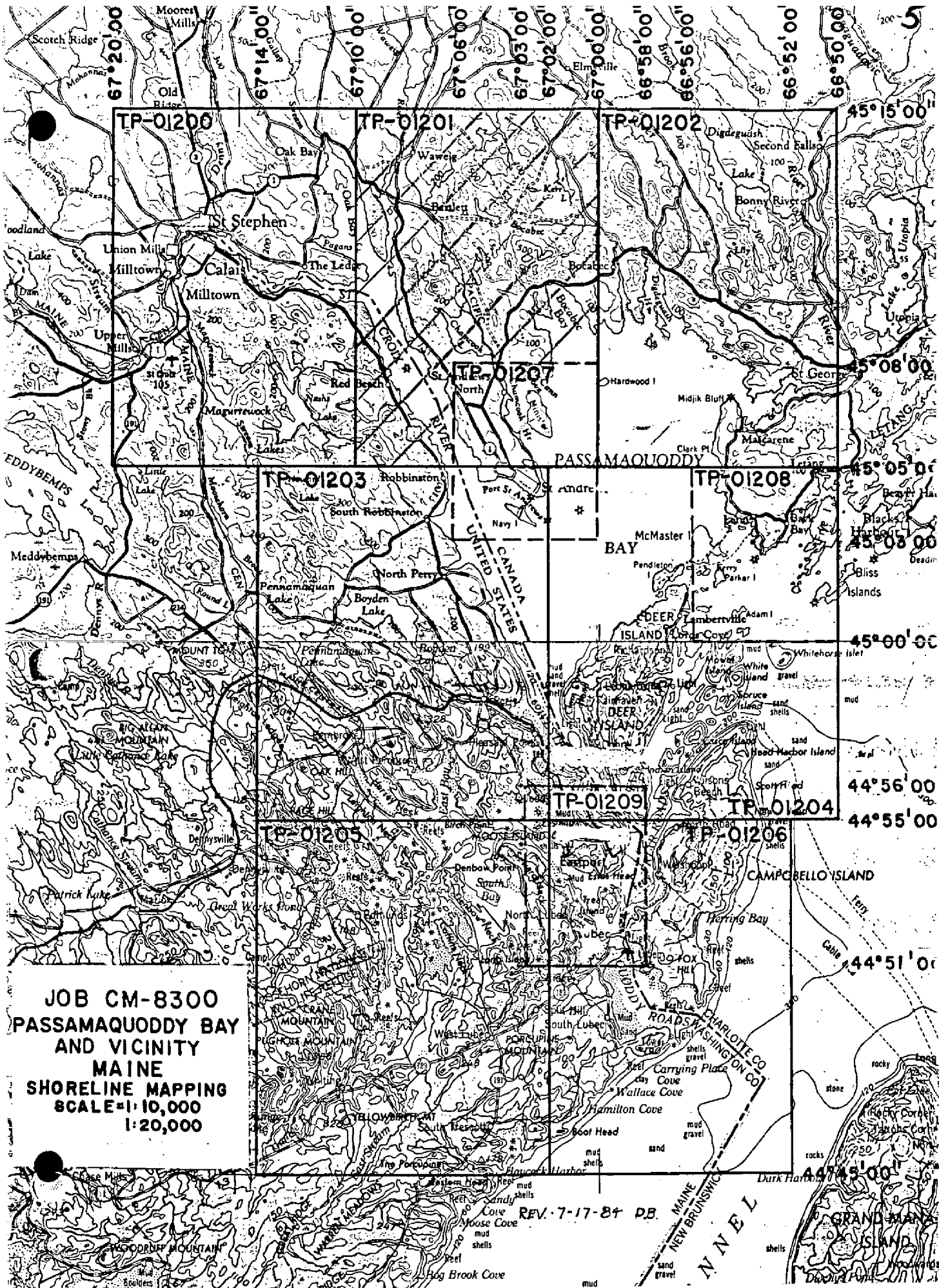
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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



JOB CM-8300
PASSAMAQUODDY BAY
AND VICINITY
MAINE
SHORELINE MAPPING
SCALE=1:10,000
1:20,000

REV. 7-17-84 DB

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01201

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 the northern region of Passamaquoddy Bay and the St. Croix River.

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. All photographs used to produce this map were taken at 1:50,000 scale except for one overlapping strip of 1:30,000 tide coordinated MLW infrared photographs. 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 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-01201

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

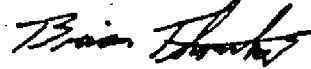
USGS quadrangles were used to provide veritcal control for adjustments.

25. Photography

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

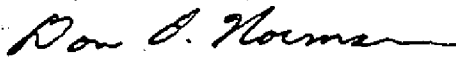
The coverage of the 1983B(R) infrared photographs used for the MHW and MLW is insufficient for sheet TP-01209.

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

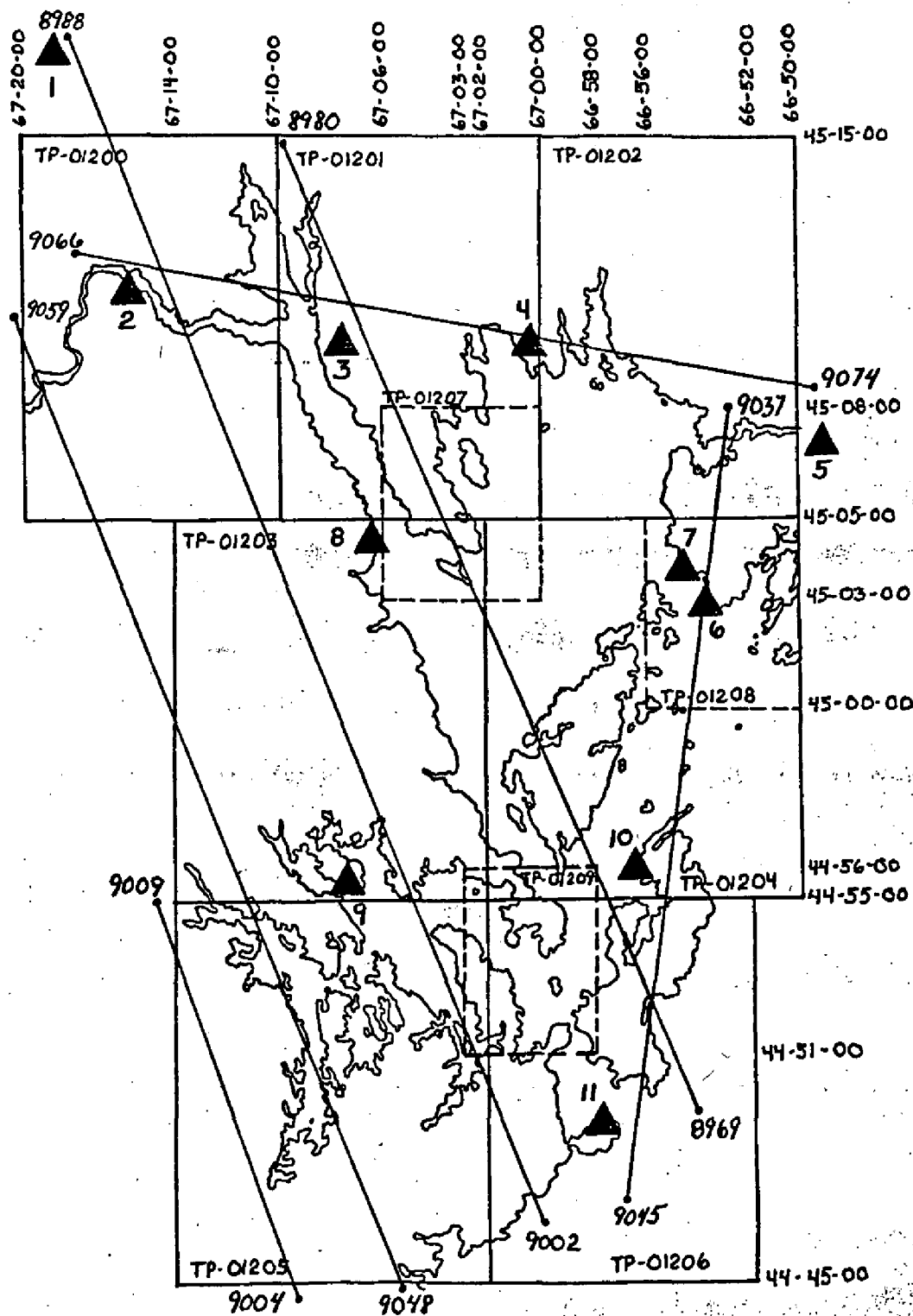
Ratio Values
Bridging Strips

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

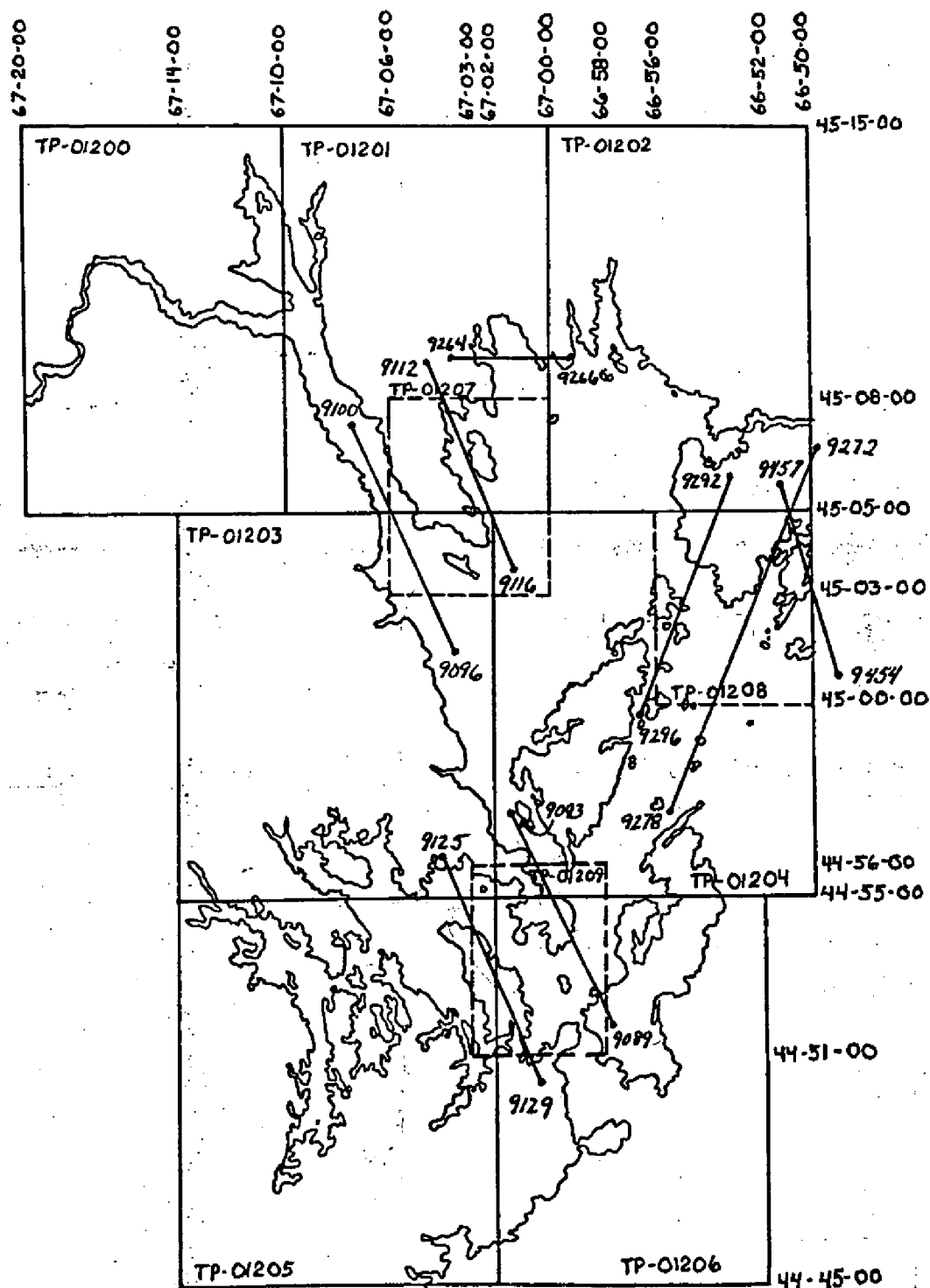
PASSAMAQUODDY BAY

MAINE

CM-8300

1:30000 COMPILATION PHOTOGRAPHS

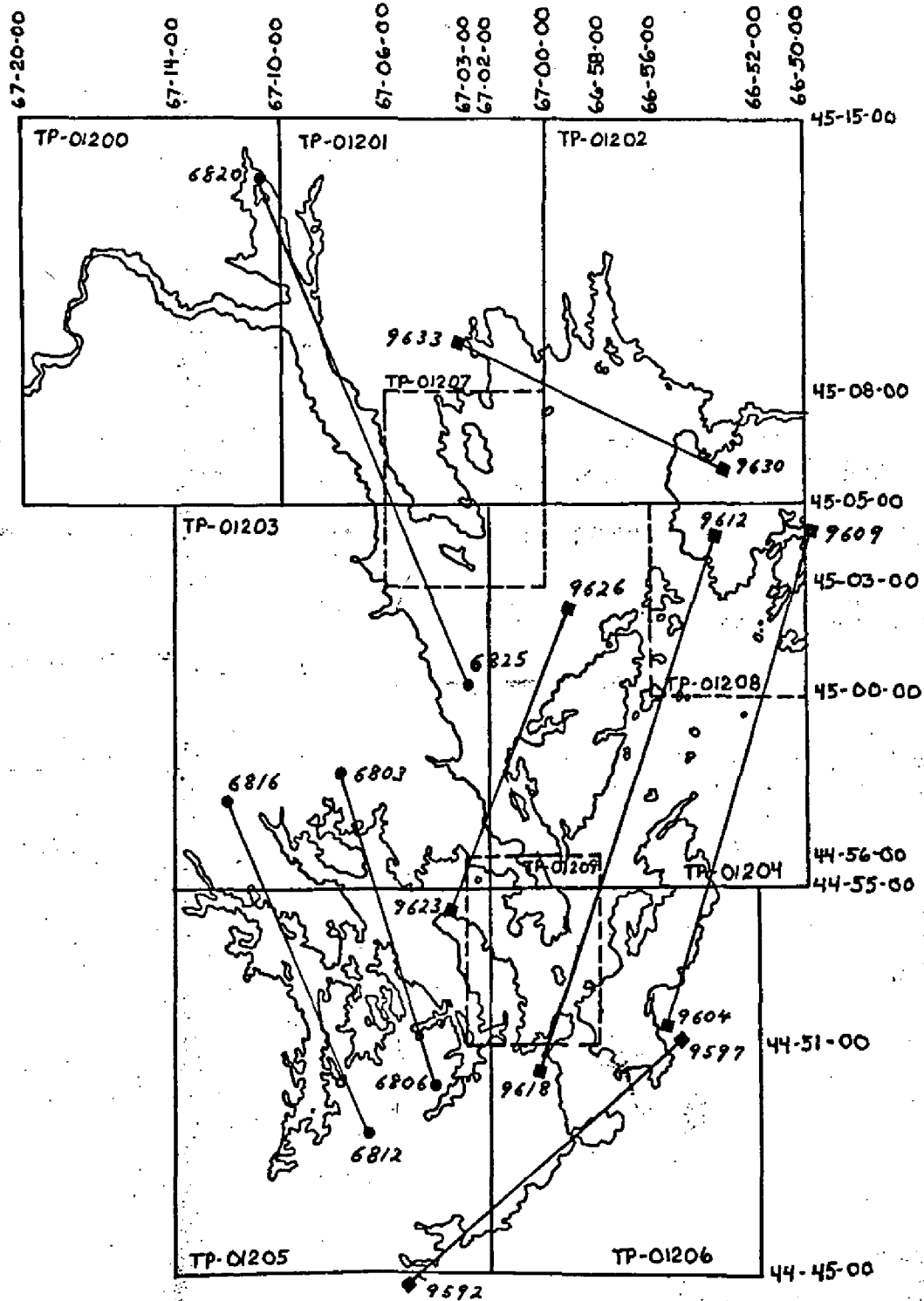
83C (c)



AEROTRIANGULATION SKETCH
 PASSAMAQUODDY BAY
 MAINE
 CM-8300

1:50 000 B. & W. INFRARED

MHW ■ 83C(R) • 83B(R)



AEROTRIANGULATION SKETCH

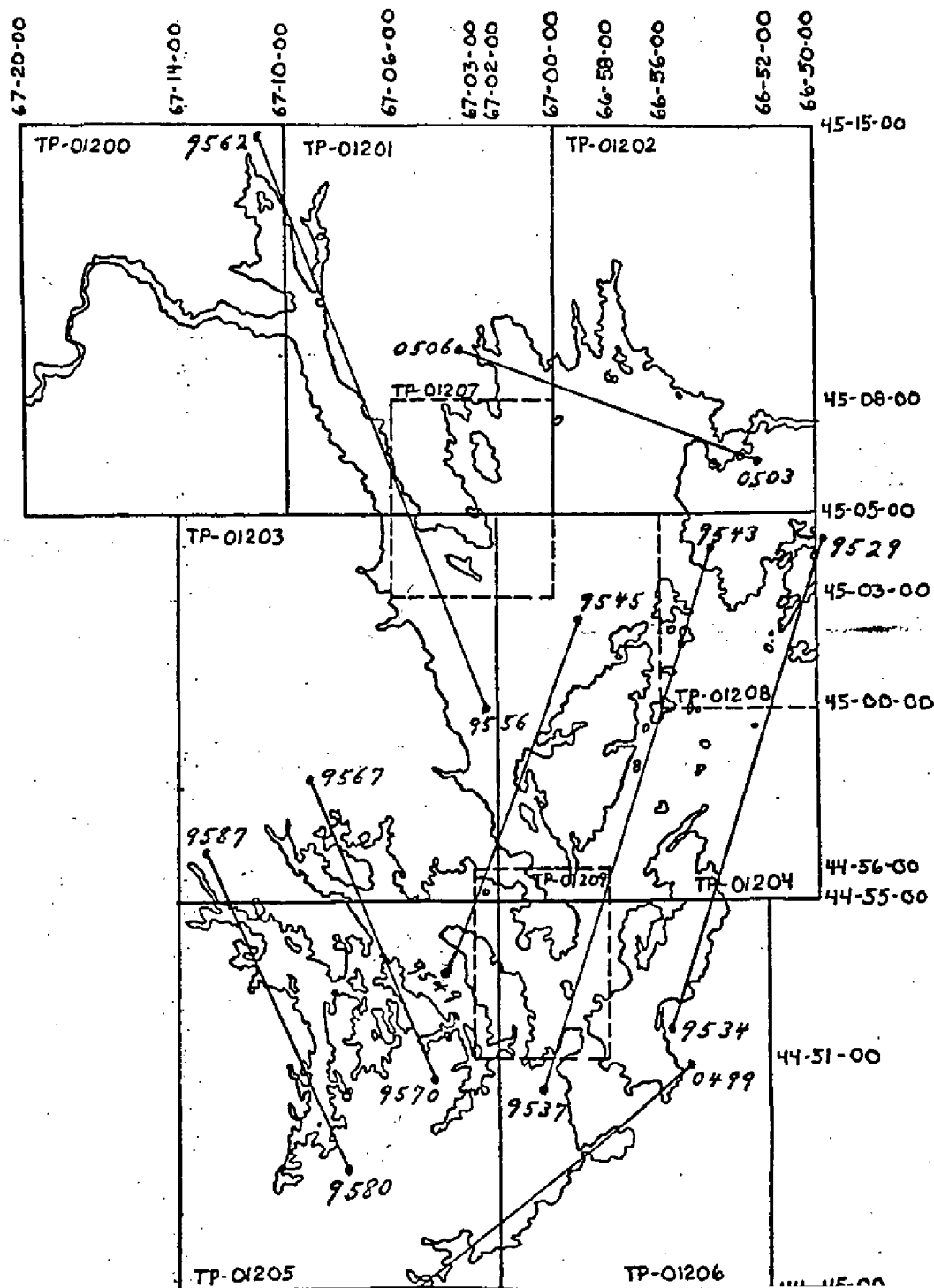
PASSAMAQUODDY BAY

MAINE

CM-8300

1:50 000 B. & W. INFRARED

MLW 83 C (R)



AEROTRIANGULATION SKETCH

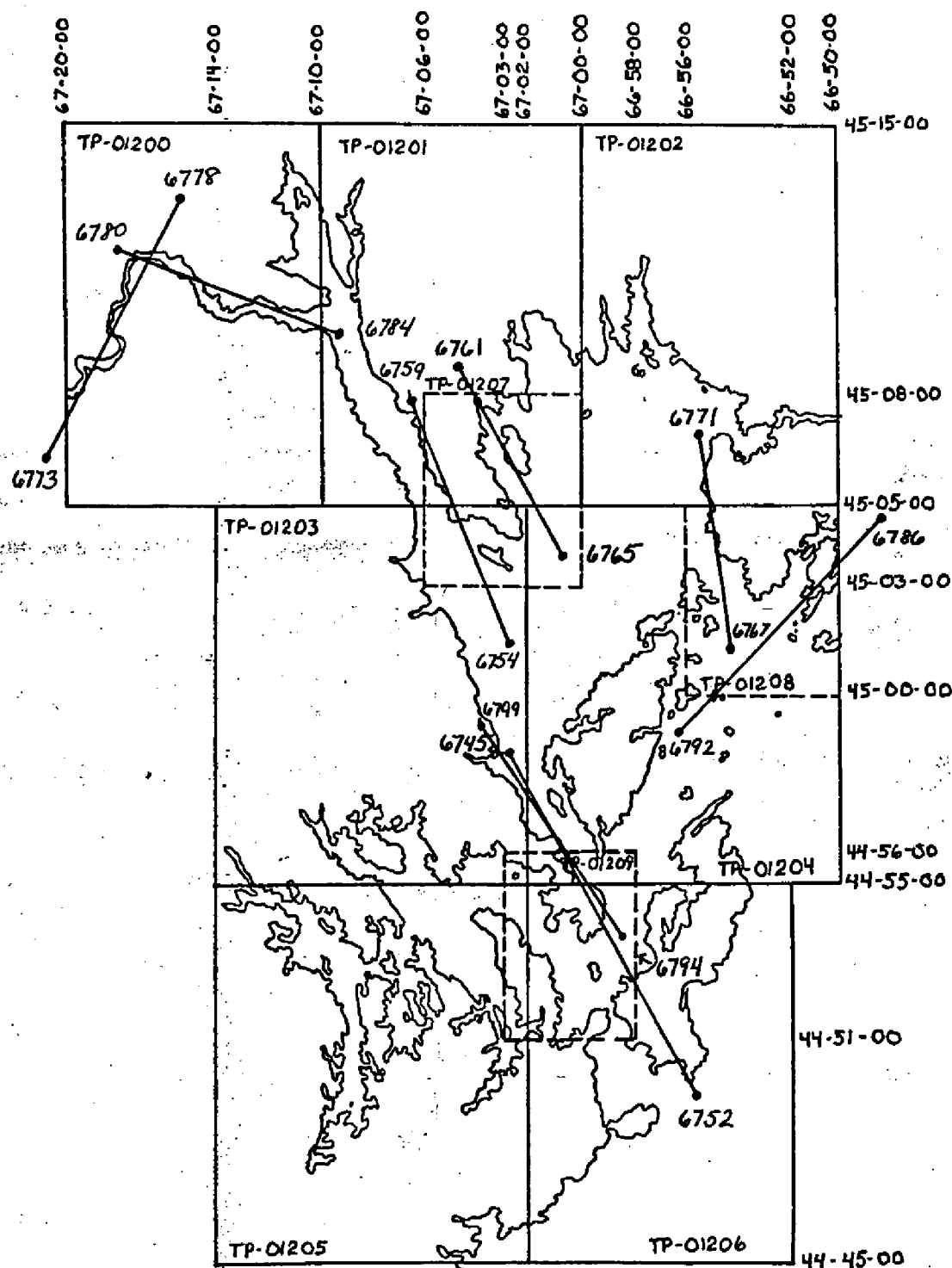
PASSAMAQUODDY BAY

MAINE

CM - 8300

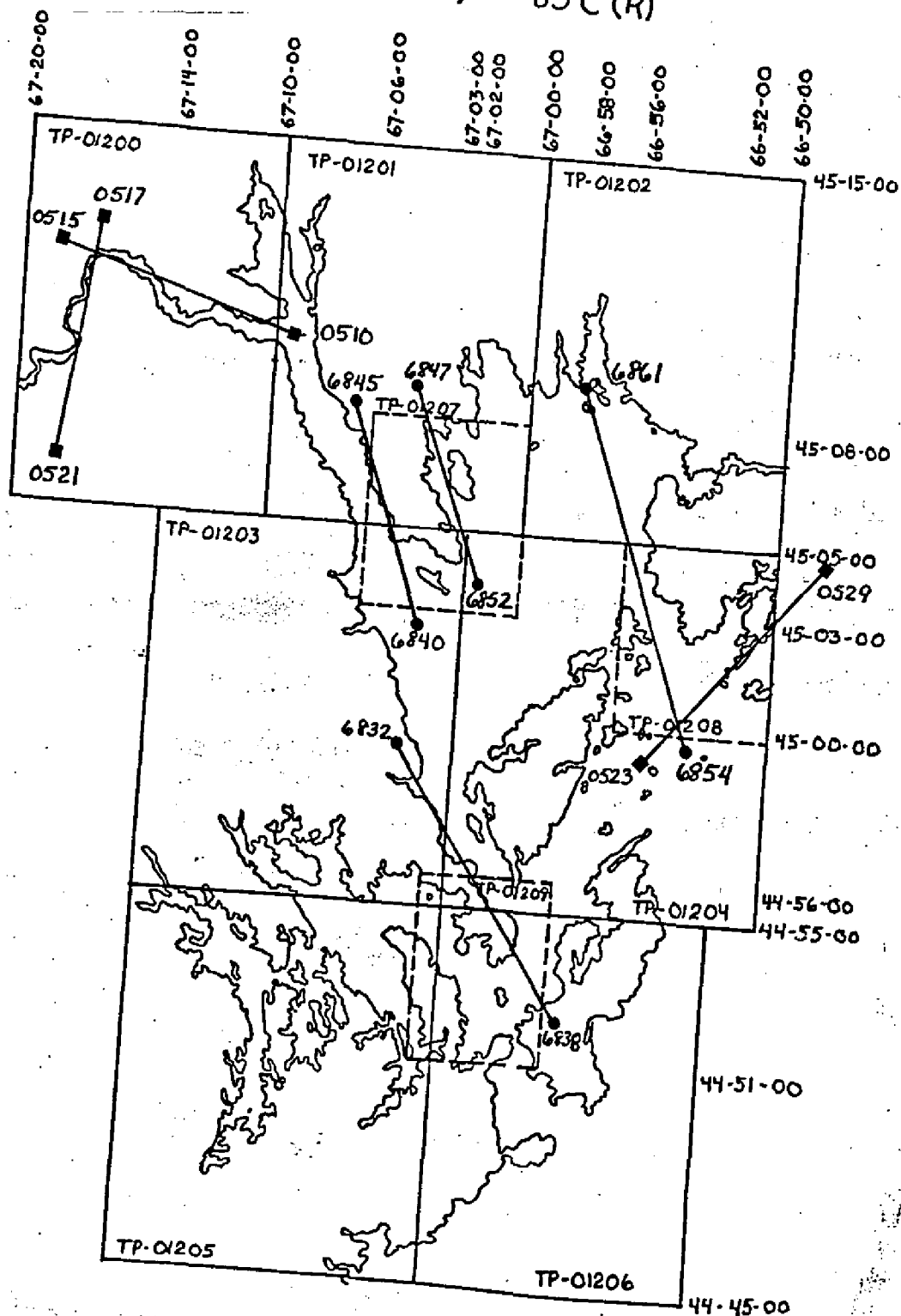
1:30000 BLACK AND WHITE INFRARED PHOTOGRAPHS

MHW 83B (R)



AEROTRIANGULATION SKETCH
PASSAMAQUODDY BAY
MAINE

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



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM			ORIGINATING ACTIVITY		REMARKS
			CM-8300	CM-8300	CM-8300	Unit, AMC, Norfolk, VA		
			SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	Geographic Position ϕ LATITUDE λ LONGITUDE		
NEW BRUNSWICK DISK #2236			Project Control Record Bk	71100	X=	ϕ 45° 09' 39.704"		
					Y=	λ 67° 00' 17.363"		
					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			COMPUTATION CHECKED BY			DATE		
LISTED BY R. Kravitz			LISTING CHECKED BY F. Mauldin			DATE 3-28-85		
HAND PLOTTING BY			HAND PLOTTING CHECKED BY			DATE		

COMPILATION REPORT
TP-01201

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 delineation. 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.

Both the 1:50,000 scale MHW and MLW infrared photographs were used to assist in interpretation. Ratio photographs of the

TP-01201

1:50,000 and 1:30,000 scale MLW infrared photography were used to graphically compile the approximate mean low water line.

37 - LANDMARKS AND AIDS

There are 0 charted landmarks and 1 charted navigational aid 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:
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
Robbinston, Me., 1949, photorevised 1977, scale 1:24,000
St. Stephen 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

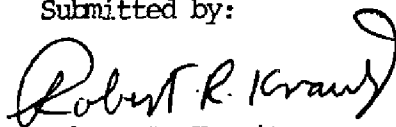
None.

ITEMS TO BE CARRIED FORWARD

None.

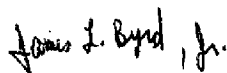
TP-01201

Submitted by:



Robert R. Kravitz
Cartographic Technician
March 18, 1985

Approved:



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

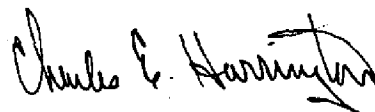
CM-8300 (Passamaquoddy Bay, Maine)

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Bayside
Berry Point
Big Bay
Birch Cove
Bocabec Cove
Bocabec Cove (locality)
Brooks Bluff
Brooks Cove
Bunker Point
Cook Cove
Creighton Point
Devils Head
Ford Point
Goldsmiths Stream
Hanson Point
Hills Point
Hinton Point
Johnson Cove

Lamb Cove
Little Docket Island
Lowe Cove
McCurdy Point
Mill Cove
Oak Bay
Oak Point
Pettegrove Point
Red Beach (locality)
Red Beach Cove
Rickets Island
St. Croix Island
St. Croix River
Sand Point
Todds Point
Waweig River
Wheaton Lake

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
TP-01201
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:

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

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

Robbinston, ME, 1949, photorevised, 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

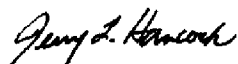
A comparison was made with NOS chart 13328, 20th edition, dated September 15, 1984, scale 1:40,000.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

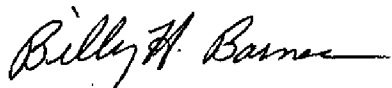
This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

TP-01201

Submitted by,

Jerry L. Hancock
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved:

J. A. Mooney
Chief, Photogrammetric Section,
RockvilleRonald K. Brewer
Chief, Photogrammetry Branch,
Rockville

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Robert R. Kravitz
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>OFFICE</p> <p>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</p> <p>FIELD</p> <p>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</p> <p>A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75</p> <p>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</p> </div> <div style="width: 45%;"> <p>FIELD (Cont'd)</p> <p>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</p> <p>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</p> <p>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75</p> <p>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</p> </div> </div>	
<p>INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)</p>	
<p>ORIGINATOR</p> <p><input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)</p> <p>FIELD ACTIVITY REPRESENTATIVE</p> <p>OFFICE ACTIVITY REPRESENTATIVE</p> <p><input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE</p>	

