TP-01209

TP- 01209

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.	*Edition No.*
TP-01209	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
EASTPORT

19 83 TO 19

REGISTERED IN ARCHIVES

DATE

* U.S. GOVERNMENT PRINTING OFFICE: 1980-665-115

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY
- [X] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

SURVEY TP- 01209
MAP EDITION NO. (1)
MAP CLASS III (FINAL)
JOB ~~PH~~- CM-8300

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Unit
Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE
A. Y. Bryson, CDR

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH- _____
MAP CLASS _____
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	June 5, 1984	Control	August 12, 1983
Compilation	March 1, 1985		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER; [ ] MEAN LOW-WATER; [ ] MEAN LOWER LOW-WATER; [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Transverse Mercator Projection

4. GRID(S): STATE: Maine; ZONE: East

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	B. Thornton	August 1984
	LANDMARKS AND AIDS BY	B. Thornton	August 1984
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp 718	PLOTTED BY	B. Thornton	Oct. 1984
	CHECKED BY	D. Norman	Oct. 1984
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	R. Kravitz	Dec. 1984
	CHECKED BY	W. McLemore, Jr.	Dec. 1984
INSTRUMENT: Wild B-8	CONTOURS BY	N.A.	
SCALE: 1:10,000	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Kravitz	Jan. 1985
	CHECKED BY	W. McLemore, Jr.	Feb. 1985
METHOD: Smooth Drafted	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	N.A.	
	CHECKED BY	N.A.	
5. OFFICE INSPECTION PRIOR TO ~~FIELD~~ FINAL REVIEW	BY	W. McLemore, Jr.	Feb. 1985
6. APPLICATION OF FIELD EDIT DATA	BY	N.A.	
	CHECKED BY	N.A.	
7. COMPILATION SECTION REVIEW CLASS III	BY	W. McLemore, Jr.	Feb. 1985
8. FINAL REVIEW CLASS III	BY	J. Hancock	March 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Hancock	April 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Dec. 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. DAUGHERTY	FEB 1986

NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES

*U.S. GOVERNMENT PRINTING OFFICE-1977-765-092

NOAA FORM 76-36B
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-01209

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10(C) (C=88.46mm)
Wild RC-10(B) (B=152.74mm)

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Eastern — [x] STANDARD
MERIDIAN: 75th — [ ] DAYLIGHT

TIDE STAGE REFERENCE
[x] PREDICTED TIDES *
[ ] REFERENCE STATION RECORDS
[x] TIDE CONTROLLED PHOTOGRAPHY **

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
83 C(C) 9089 - 9093*	09-15-83	09:12	1:30,000	6.5 feet above MLW
83 C(C) 9126 - 9129*	09-15-83	09:37	1:30,000	5.3 feet above MLW
83 B(I) 6746 - 6750**	10-10-83	12:26	1:30,000	0.2 feet below MHW
83 B(I) 6794 - 6797**	10-10-83	13:35	1:30,000	1.2 feet above MHW
				Mean Tide Range=18.2 ft.

REMARKS *Compilation/bridging photographs based on predicted tide data.
**Tide coordinated MHW 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 Ling was compiled from office interpretation of the compilation/bridging color photographs using stereo instrument methods. The tide coordinated black-and-white infrared photographs were used to assist in the MHW line.

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

There was no mean low water line compiled on this map.

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
TP-01204 TP-01203	TP-01204 TP-01206	TP-01206 TP-01205	TP-01203 TP-01205

REMARKS This map is a 1:10,000 scale inset within the above listed 1:20,000 scale maps. There were no junctions made with the MLW lines on any of the 1:20,000 scale maps as there was no MLW line compiled on this map.

NOAA FORM 76-36B
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERC
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIO
NATIONAL OCEAN SURVE

TP-01209

HISTORY OF FIELD OPERATIONS

1. [X] FIELD ~~INSPECTION~~ PREMARKING OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
I. CHIEF OF FIELD PARTY		R. Tibbetts	August 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 [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [ ] NO INVESTIGATION — BY		
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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

PROJECT DATA
1 NOAA Form 76-52
1 NOAA Form 77-53 (Tides Book), 1 NOAA Form 76-77 (Leveling Record-Tide Station Book)

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36D
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-01209

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

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

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

PAGES NUMBERED	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
5		5/29/85	Landmarks and Aids for charting.

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

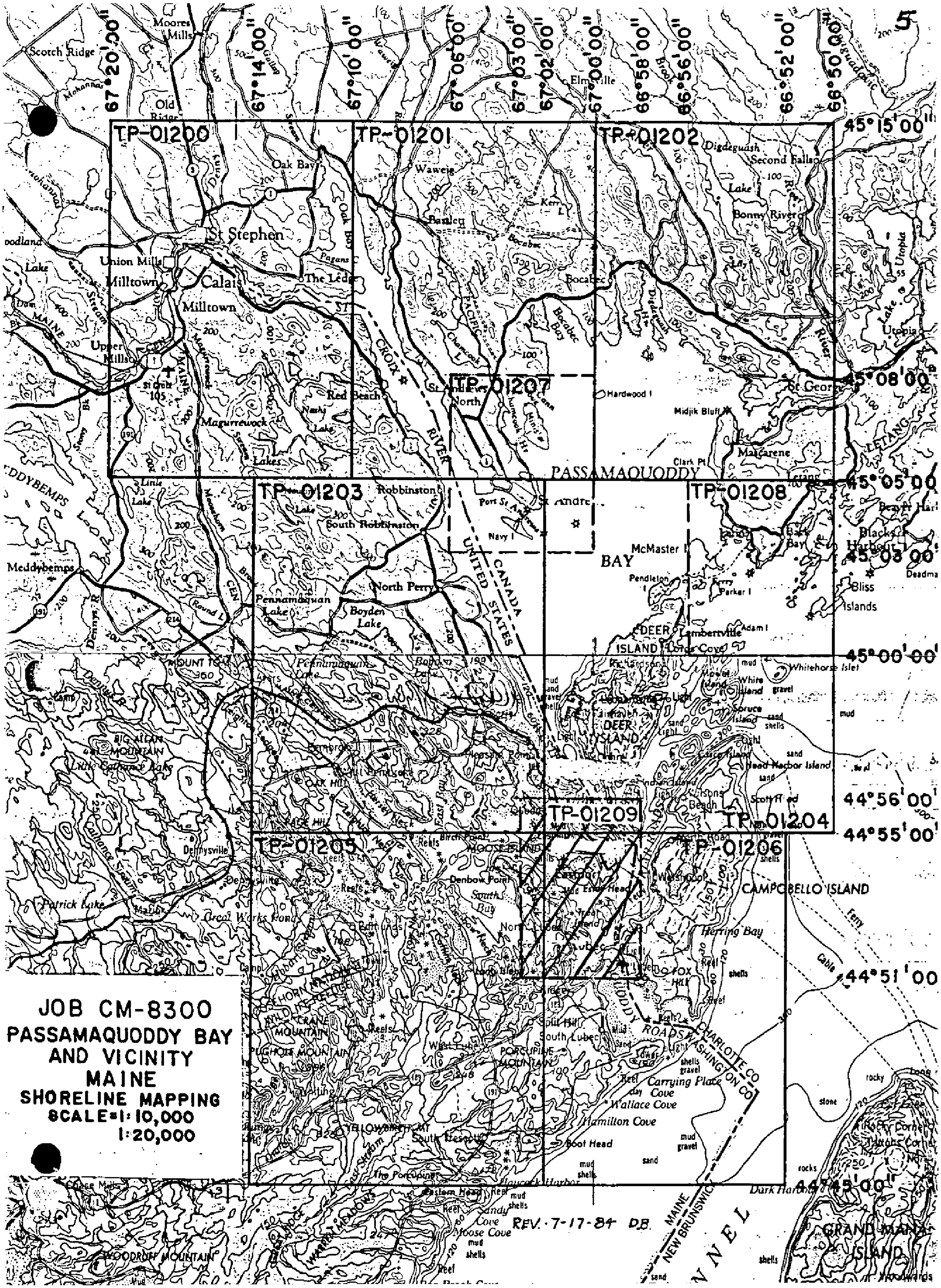
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

NOAA FORM 76-36D

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092


JOB CM-8300
PASSAMAQUODDY BAY
AND VICINITY
MAINE
SHORELINE MAPPING
SCALE=1:10,000
1:20,000
TP-01200
TP-01201
TP-01202
TP-01203
TP-01204
TP-01205
TP-01206
TP-01207
TP-01208
TP-01209
67°20'00"
67°14'00"
67°10'00"
67°06'00"
67°03'00"
67°02'00"
67°00'00"
66°58'00"
66°56'00"
66°52'00"
66°50'00"
45°15'00"
45°08'00"
45°05'00"
45°03'00"
45°00'00"
44°56'00"
44°55'00"
44°51'00"
44°45'00"
REV. 7-17-84 DB.
St Stephen
Calais
Milltown
Union Mills
Oak Bay
Waweig
Red Beach
St George
Robbinston
South Robbinston
North Perry
Pennamaquan Lake
Boyden Lake
PASSAMAQUODDY
BAY
McMaster I
DEER ISLAND
Lambertville
CAMPOBELLO ISLAND
Herring Bay
Carrying Place Cove
Wallace Cove
Hamilton Cove
Boot Head
South Lubec
Dennysville
Meddybemps
Patrick Lake
UNITED STATES
CANADA
CROIX
RIVER
MAINE
NEW BRUNSWICK
GRAND MANAN ISLAND
Bliss Islands
Whitehorse Islet
Head Harbor Island
Utopia

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01209

This 1:10,000 scale final shoreline inset 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 inset map portrays a portion of shoreline south of Passamaquoddy Bay featuring the Western Passage and the cities of Eastport and Lubec.

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. Photo coverage used to produce this inset map was taken at 1:30,000 scale. The color mapping photographs were adequate; however, complete coverage of the MHW and MLW infrared photos was not provided in the southwest portion of the map.

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 1:30,000 scale color photographs, was performed by the Coastal Mapping Unit, Atlantic Marine Center in February 1985. Delineation was assisted by the partial coverage of 1:30,000 scale MHW and MLW tide coordinated infrared photographs. The MLW line was not compiled due to the lack of infrared coverage in the southwestern portion of the map.

Final review for this final Class III map was performed at the Atlantic Marine Center in March 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 map, NOS charts, and Canadian charts. 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 (PREMARKING)

TP-01209

There was no complete field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (premarking) 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 premarked 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 veritical 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, Finial 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

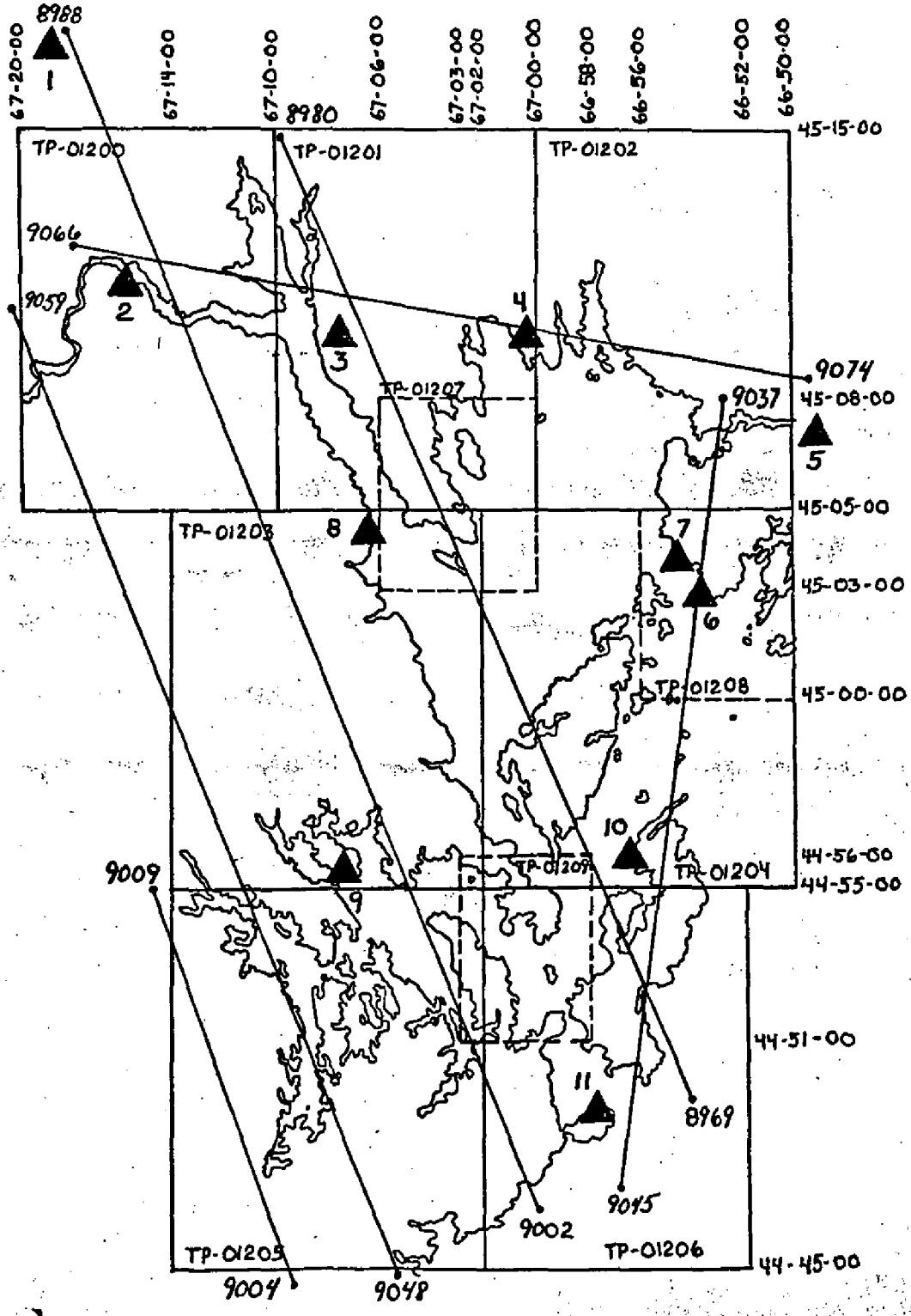
Ratio Values
Bridging Strips

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

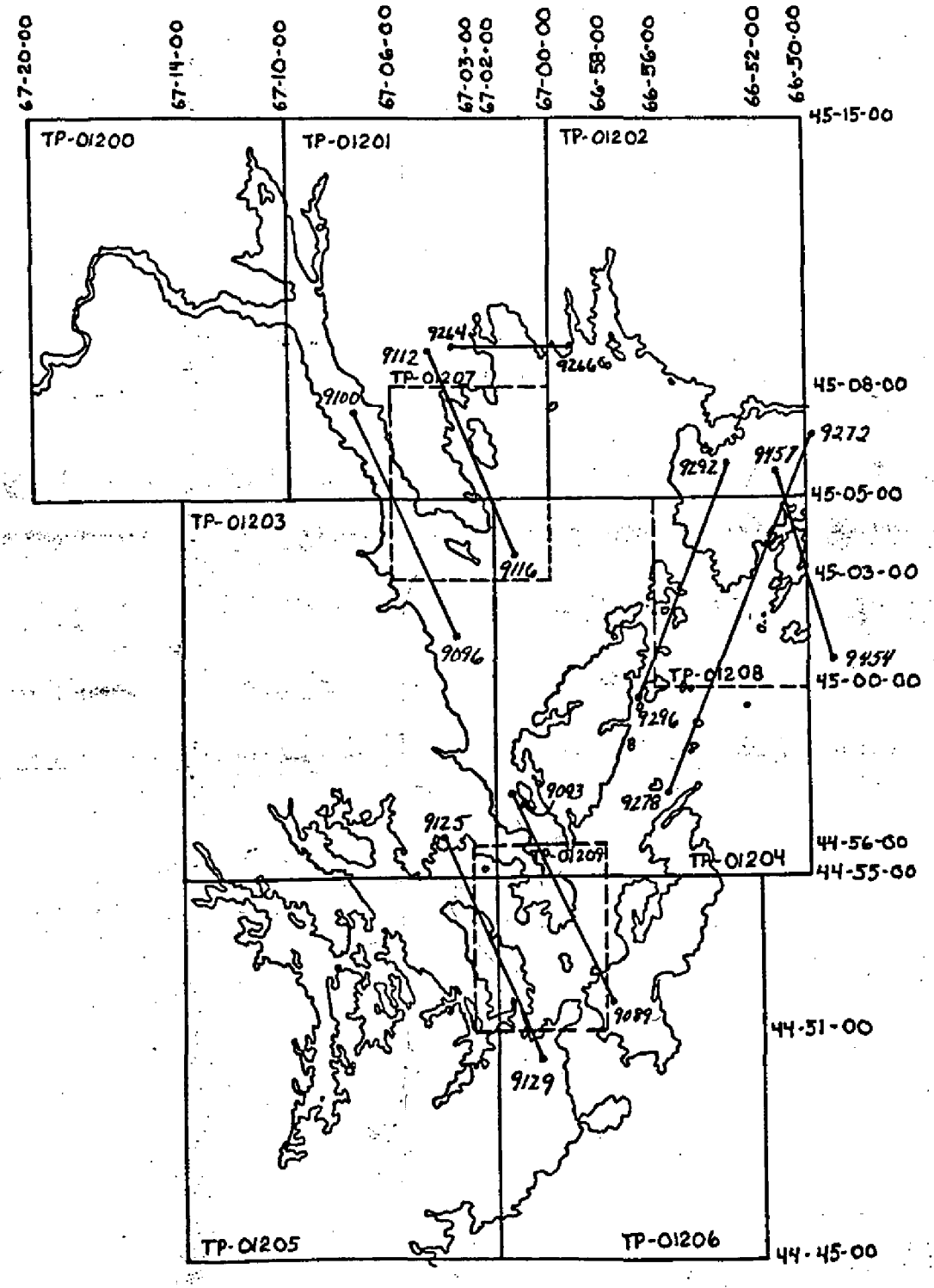
Compilation Photography

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)



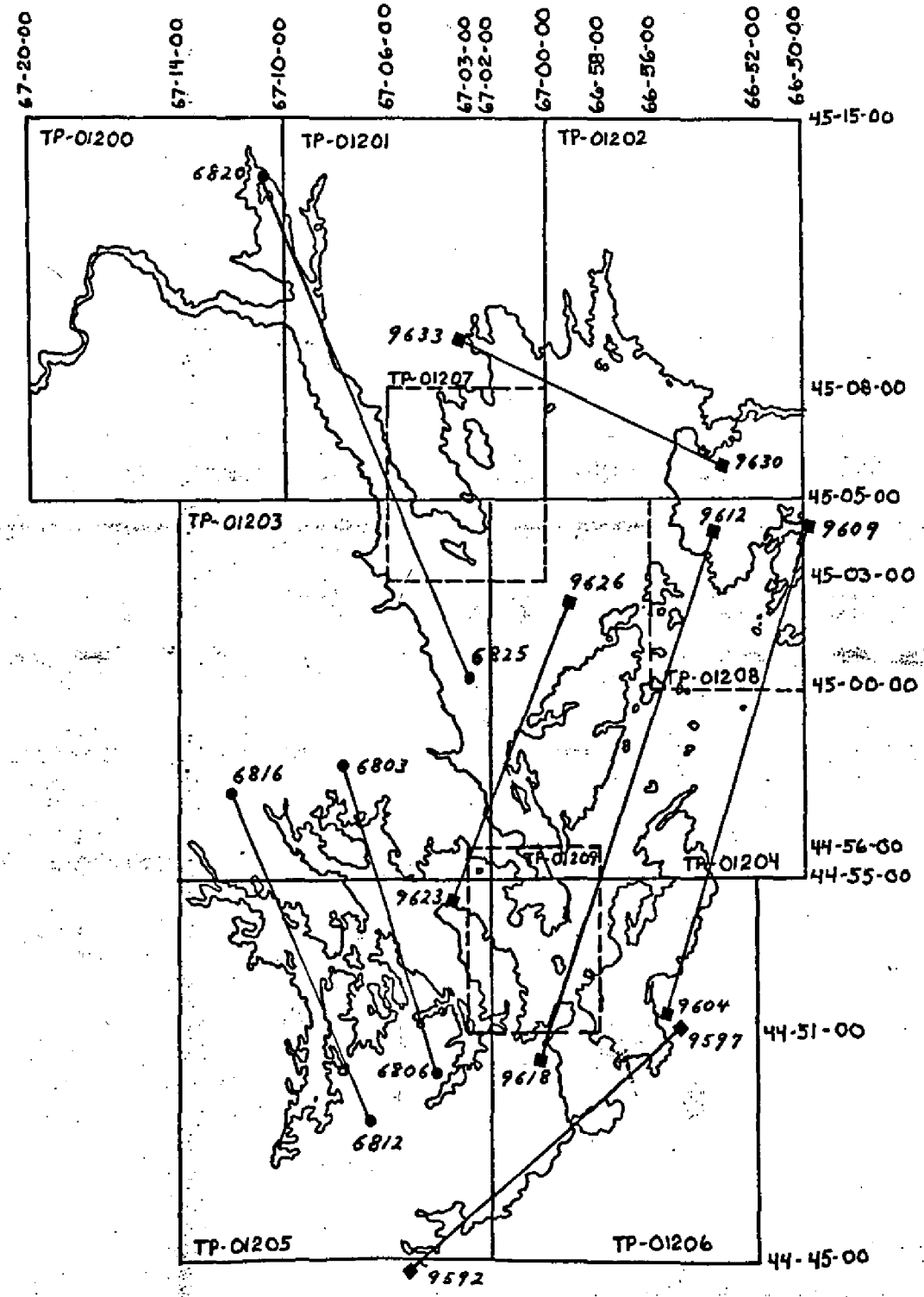
AEROTRIANGULATION SKETCH
PASSAMAQUODDY BAY
MAINE
CM-8300
1:30000 COMPILATION PHOTOGRAPHS
83C (c)



AEROTRIANGULATION SKETCH
PASSAMAQUODDY BAY
MAINE
CM-8300

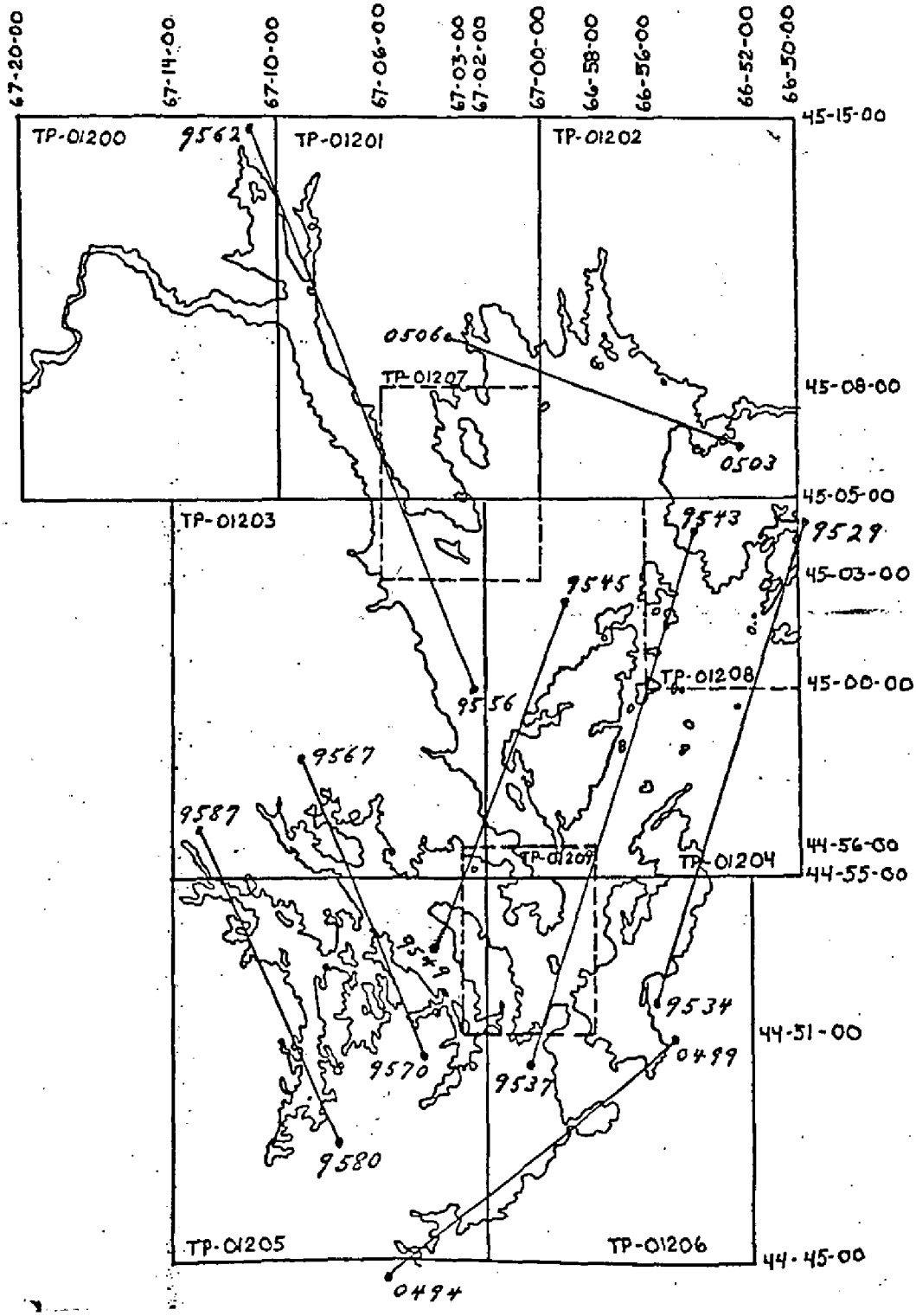
1:50 000 B. & W. INFRARED

MHW ■ 83C(R) • 83B (R)

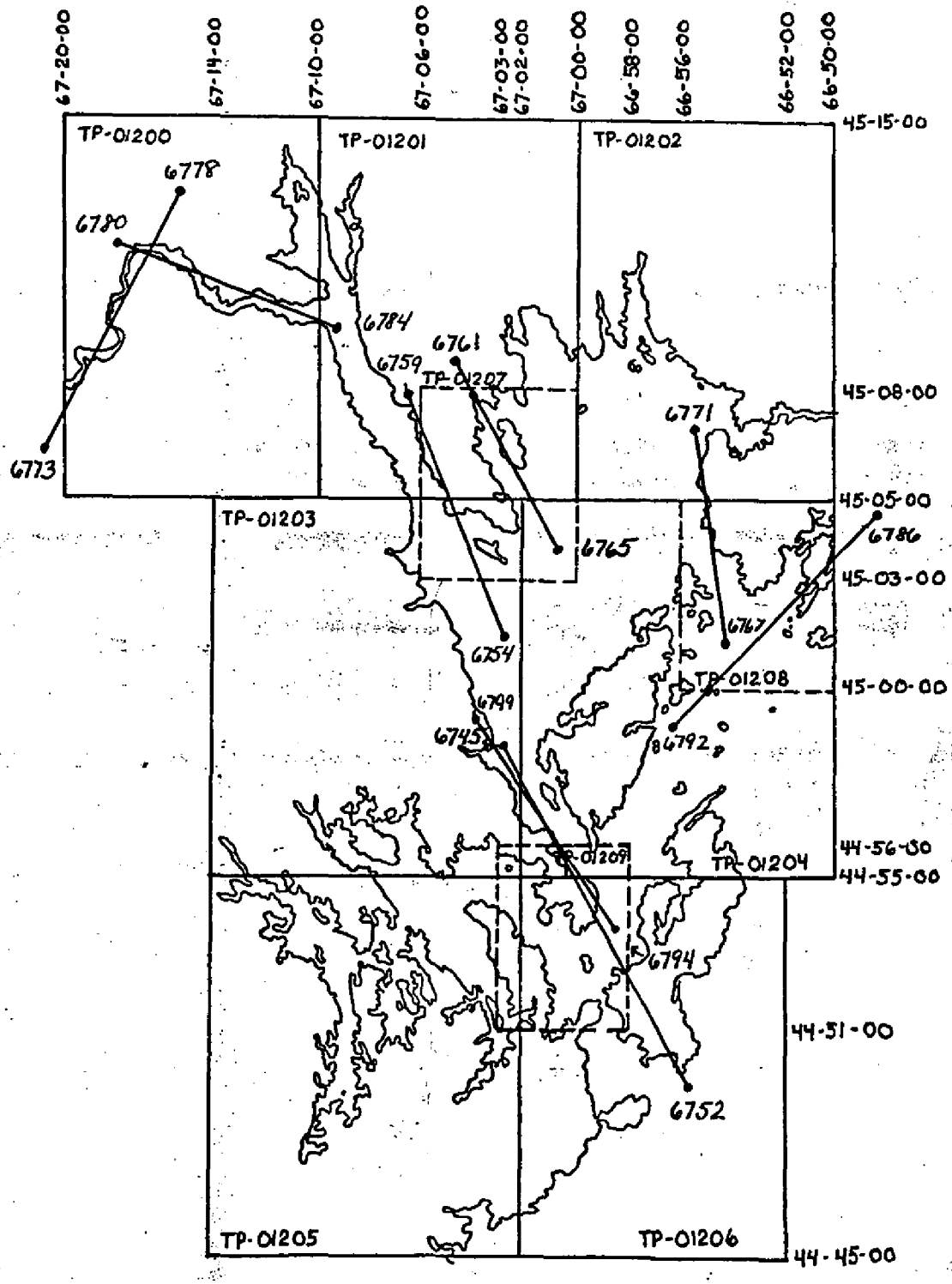


AEROTRIANGULATION SKETCH
PASSAMAQUODDY BAY
MAINE
CM-8300

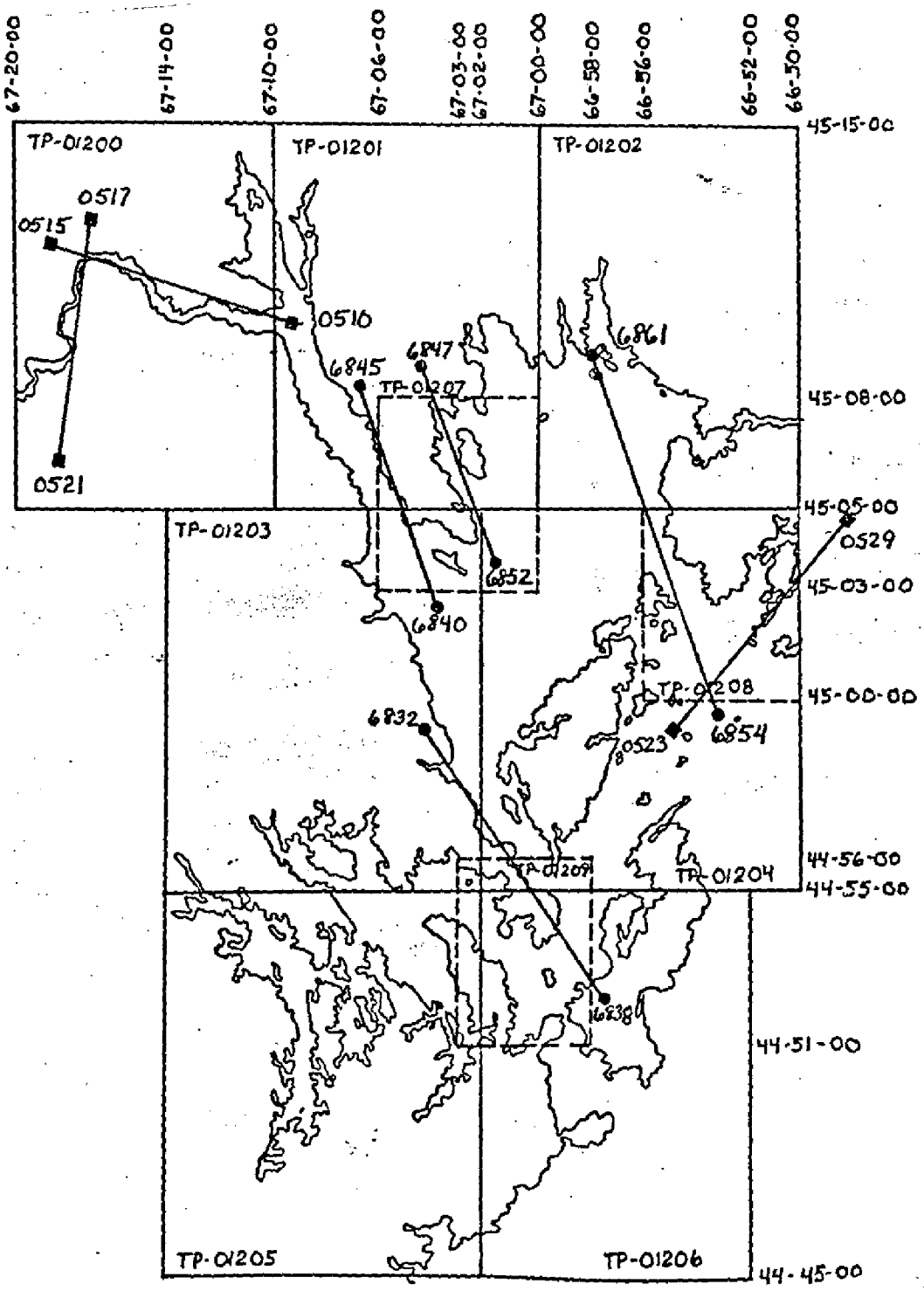
1:50 000 B. + W. INFRARED
MLW 83 C (R)



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)



NOAA FORM 76-41
(6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01209	CM-8300	N.A. 1927	Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Maine ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
RANGE MARK 35 (IBC), 1919	G #16592 Page 4	44147	x=	φ 44°51'36.402"	
			y=	λ 66°58'30.923"	
RANGE MARK 33 (IBC), 1919	G #16592 Page 4	44145	x=	φ 44°51'37.097"	
			y=	λ 66°58'44.545"	
RANGE MARK 36 (IBC), 1919	G #16592 Page 4	44146	x=	φ 44°51'41.054"	
			y=	λ 66°58'30.880"	
LUBEC LOWER CHURCH SPIRE, 1913	Quad.440664 Sta. 1039	43147	x=	φ 44°51'39.113"	
			y=	λ 66°59'18.073"	
LUBEC CHURCH SPIRE, 1861	Quad.440664 Sta. 1038	100156	x=	φ 44°51'37.690"	
			y=	λ 66°59'17.330"	
LUBEC NARROWS MULHOLLAND POINT LIGHT, 1910	Quad.440664 Sta. 1089	100100 44144	x=	φ 44°51'46.783"	
			y=	λ 66°58'48.589"	
QUODDY VILLAGE TANK, 1946	Quad.440671 Sta. 1143	98	x=	φ 44°55'41.710"	
			y=	λ 67°01'39.470"	
RANGE MARK 25 (IBC), 1919	G #16592 Page 3	44143	x=	φ 44°52'00.882"	
			y=	λ 66°58'49.055"	
RANGE MARK 24 (IBC), 1919	Quad.44064 Sta. 1059	44141	x=	φ 44°52'05.844"	
			y=	λ 66°59'04.705"	
RANGE MARK 31 (IBC), 1919	Quad.440664 Sta. 1064	43146	x=	φ 44°52'32.046"	
			y=	λ 66°59'26.677"	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY R. Kravitz	DATE 12-13-84	LISTING CHECKED BY W. McLemore, Jr.	DATE 1/30/85
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

21

NOAA FORM 76-41 (6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01209	CM-8300	N.A. 1927	Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Maine ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
RANGE MARK 21 (IBC), 1919	Quad.440664 Sta. 1056	43145	x=	φ 44°52'41.091"	
			y=	λ 66°59'15.998"	
RANGE MARK 22 (IBC), 1919	Quad.440664 Sta. 1057	43144	x=	φ 44°52'41.962"	
			y=	λ 66°59'25.658"	
RANGE MARK 29 (IBC), 1919	Quad.440664 Sta. 1062	971160	x=	φ 44°53'48.164"	
			y=	λ 66°59'20.047"	
RANGE MARK 30 (IBC), 1919	Quad.440664 Sta. 1063	971145	x=	φ 44°53'52.385"	
			y=	λ 66°59'20.934"	
RANGE MARK 20 (IBC), 1919	Quad.440664 Sta. 1055	971142	x=	φ 44°53'52.221"	
			y=	λ 66°59'17.412"	
EASTPORT WEATHER BUREAU, NATIONAL FLAGSTAFF, 1913	Quad.440664 Sta. 1025	971149	x=	φ 44°54'20.884"	
			y=	λ 66°59'08.688"	
EASTPORT STANDPIPE, 1910	Quad.440664 Sta. 1023	971143	x=	φ 44°54'25.113"	
			y=	λ 66°59'23.664"	
RANGE MARK 8 (IBC), 1919	Quad.440664 Sta. 1051	972141	x=	φ 44°54'32.650"	
			y=	λ 66°59'42.932"	
RANGE MARK 14 (IBC), 1919	Quad.440664 Sta. 1053	972143	x=	φ 44°54'41.368"	
			y=	λ 66°59'02.204"	
RANGE MARK 13 (IBC), 1976	IBC, Supplement.Pg. 243		x=	φ 44°55'06.651"	
			y=	λ 66°59'22.462"	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY R. Kravitz	DATE 12-13-84	LISTING CHECKED BY W. McLemore, Jr.	DATE 1/30/85
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41 2-71 EDITION WHICH IS OBSOLETE.

NOAA FORM 76-41 (6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01209	CM-8300	N.A. 1927	Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET (STATE Maine, ZONE East)	GEOGRAPHIC POSITION (φ LATITUDE, λ LONGITUDE)	REMARKS
RANGE MARK 27 (IBC), 1961	IBC, SUPPLEMENT, PAGE 244		x=	φ 44°51'45.639"	
			y=	λ 66°59'01.109"	
RANGE MARK 7 (IBC), 1919	Quad.440671 Sta. 1149	972146	x=	φ 44°55'10.181"	
			y=	λ 67°00'05.528"	
REDOUBT HILL TANK, 1946	Quad.440671 Sta. 1154	972111	x=	φ 44°55'12.350"	
			y=	λ 67°00'46.599"	
RANGE MARK 10 (IBC), 1919	Quad.440671 Sta. 1146	972145	x=	φ 44°55'15.816"	
			y=	λ 67°00'30.295"	
RANGE MARK 9 (IBC), 1919	Quad.440671 Sta. 1150	972144	x=	φ 44°55'21.849"	
			y=	λ 67°00'21.123"	
RANGE MARK 11 (IBC), 1919	G #16592 Page 3	42141	x=	φ 44°55'32.773"	
			y=	λ 66°59'11.194"	
DOG ISLAND LIGHT, 1946	Quad.440664 Sta. 1015	972151	x=	φ 44°55'06.544"	
			y=	λ 66°59'22.980"	
RANGE MARK 26 (IBC), 1919	G #16592 Page 3	157	x=	φ 44°52'00.747"	
			y=	λ 66°58'47.783"	
RANGE MARK 34 (IBC), 1976	G #16592 Page 4	157	x=	φ 44°51'36.760"	
			y=	λ 66°58'37.304"	
RANGE MARK 23 (IBC), 1919	Quad.440664 Sta. 1058	158	x=	φ 44°52'07.082"	
			y=	λ 66°59'04.150"	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY R. Kravita	DATE 12/13/85	LISTING CHECKED BY W. McLemore, Jr.	DATE 1/30/85
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

NOAA FORM 76-41 (6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01209	CM-8300	N.A. 1927	Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Maine ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
RANGE MARK 32 (IBC), 1919	Quad.440664 Sta. 1065	159	x=	φ 44°52'39.507"	
			y=	λ 66°59'31.337"	
RANGE MARK 17 (IBC), 1919	IBC Page 408	228	x=	φ 44°55'07.467"	
			y=	λ 66°58'02.573"	
RANGE MARK 28 (IBC), 1976	IBC Supplement, Page 244		x=	φ 44°51'42.320"	
			y=	λ 66°59'01.803"	
EASTPORT CONGREGATIONAL CHURCH SPIRE, 1910	Quad.440664 Sta. 1019	161	x=	φ 44°54'15.396"	
			y=	λ 66°59'16.635"	
EASTPORT CATHOLIC CHURCH SPIRE, 1910	Quad.440664 Sta. 1018	161	x=	φ 44°54'22.334"	
			y=	λ 66°59'29.902"	
RANGE MARK 19 (IBC), 1919	IBC Page 408		x=	φ 44°53'51.233"	
			y=	λ 66°59'12.494"	
			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 12/13/84	LISTING CHECKED BY W. McLemore, Jr.	DATE 1/30/85
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-01209

31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods. Instrument compilation was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:30,000 scale bridging/ compilation color photographs. Tide coordinated MHW infrared photographs were used to assist in interpretation of the shoreline. There was no MLW line compiled on this map.

All photographs used to compile this map are listed on NOAA Form 76-36B. The quality of 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 reference and general comparison was made with the following Canadian Nautical Charts: No.4373, 5th edition, dated February 3, 1884, 1:36,400 scale; and No. 4343, 38th edition, dated September 23, 1983, 1:19,214 scale.

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.

TP-01209

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods as described in item #31. Since no mean low water line was compiled on this map, numerous foul and shallow areas were delineated as additional information for the hydrographer. These areas should be considered advisory only.

37 - LANDMARKS AND AIDS

There are 43 charted landmarks and 4 charted navigational aids within the mapping limits of this manuscript. Among these, 35 landmarks and 3 aids were either located or verified photogrammetrically.

Appropriate information was prepared on the 76-40 forms and submitted with this map.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangles: Eastport, ME, dated 1949, photorevised 1977, scale 1:24,000; Lubec, ME, dated 1949, photorevised 1977, scale 1:24,000; West Lubec, ME, dated 1951, scale 1:24,000; and Eastport, ME, U.S., N.S., N.B., Canada, dated 1976, scale 1:250,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Service Chart: 13328, 20th edition, dated September 15, 1984, scale 1:40,000 with 1:5,000 inset.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

TP-01209

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Robert R. Kravitz
Cartographic Technician
January 1985

Approved,

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8300 (Passamaquoddy Bay, Maine)

TP-01209

Bar Harbor
Broad Cove
Buckman Head
Campobello Island
Carryingplace Cove
Charleys Point
Cherry Island
Clark Ledge
Comstock Point
Cooper Island
Cooper Island Ledge
Deep Cove (1)
Deep Cove (2)
Deer Island
Deer Island Point
Dog Island
Dudley Island
Eastport
Eastport Municipal Airport
Estes Head
Friars Bay
~~Friars Point~~ (Friars Head)
Friar Roads
Goose Island
Graveyard Point
Gull Rock
Harris Cove
Indian Island
Indian River
Burial Island
Guvspuny Island
Johnson Bay
Johnson Cove
Long Island
Lubec
Lubec Narrows
Lubec Neck
Major Island
Marble Island
Mathews Island
Moose Island
Mowry Point
Mulholland Point
North Lubec
Popes Folly
Prince Cove
Quoddy
Rodgers Island
Seward Neck
Shackford Head
Ship Cove
Smalls Cove
Snug Cove
Spectacle Island
Taylor Point
Todd Head
Treat Island
Western Passage
South Bay

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT TP-01209
SHORELINE

61. GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in March 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. Geological Survey Quadrangles: Eastport, Maine, dated 1949, photorevised 1977, scale 1:24,000; Lubec, Maine, dated 1949, photorevised 1977, scale 1:24,000; West Lubec, Maine, dated 1951, scale 1:24,000; Eastport, Maine, U.S., N.S., N.B., Canada, dated 1976, scale 1:250,000.

A comparison was made with the following Canadian Hydrographic Service Charts: #4373, 5th edition, dated February 3, 1984, scale 1:36,400; and #4343, 38th edition, dated September 23, 1983, scale 1:19,214.

64. COMPARISON WITH MAPS OF OTHER AGENCIES

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

Hydrographic support 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.

Submitted by,

Jerry L. Hancock

Jerry L. Hancock
Final Reviewer

Approved for forwarding,

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch, Rockville

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [x] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [x] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit, AMC, Norfolk, VA	Maine	Passamaquoddy Bay	Jan.1985

The following objects HAVE [ ] HAVE NOT [x] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8300	TP-01209	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
CHURCH SPIRE	(Lubec Church Spire, 1861)	44 51	37.690	66 59	17.330	83 C(C) 9089 09-15-83		13328
TANK	*At. Lubec	44 51	44.040	66 59	15.384	" "		13328
BDY RGE MKR 28	(Range Mark 28 (IBC), 1976)	44 51	42.320	66 59	01.803	" "		13328
BDY RGE MKR 27	(Range Mark 27 (IBC), 1961)	44 51	45.639	66 59	01.109	" "		13328
BDY RGE MKR 35	(Range Mark 35 (IBC), 1919)	44 51	36.402	66 58	30.923	" "		13328
BDY RGE MKR 34	(Range Mark 34 (IBC), 1976)	44 51	36.760	66 58	37.304	" "		13328
BDY RGE MKR 33	(Range Mark 33 (IBC), 1919)	44 51	37.097	66 58	44.545	" "		13328
BDY RGE MKR 36	(Range Mark 36 (IBC), 1919)	44 51	41.054	66 58	30.880	" "		13328
TR (ABAND LT. HO)	(lubec Narrow Mulhollard Point Light, 1910)	44 51	46.783	66 58	48.589	" "		13328
	*Positioned by Aerotriangulation							

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

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	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.

NOAA FORM 76-40 (8-74)

Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [x] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [x] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit, AMC, Norfolk, VA	Maine	Passamaquoddy Bay	Jan. 1985

The following objects HAVE [ ] HAVE NOT [x] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8300	TP-01209	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
BDY RGE MKR 25	(Range Mark 25 (IBC), 1919)	44 52	00.882	66 58	49.055	83 C(C) 9089 09-15-83		13328
BDY RGE MKR 23	(Range Mark 23 (IBC), 1919)	44 52	07.082	66 59	04.150	" "		13328
BDY RGE MKR 24	(Range Mark 24 (IBC), 1919)	44 52	05.844	66 59	04.705	" "		13328
BDY RGE MKR 31	(Range Mark 31 (IBC), 1919)	44 52	32.046	66 59	26.677	83 C(C) 9090 09-15-83		13328
BDY RGE MKR 21	(Range Mark 21 (IBC), 1919)	44 52	41.091	66 59	15.998	" "		13328
BDY RGE MKR 22	(Range Mark 22 (IBC), 1919)	44 52	41.962	66 59	25.658	" "		13328
BDY RGE MKR 29	(Range Mark 29 (IBC), 1919)	44 53	48.164	66 59	20.047	83 C(C) 9091 09-15-83		13328
BDY RGE MKR 19	(Range Mark 19 (IBC), 1919)	44 53	51.233	66 59	12.494	" "		13328
BDY RGE MKR 20	(Range Mark 20 (IBC), 1919)	44 53	52.221	66 59	17.412	" "		13328
BDY RGE								

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

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.
EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	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.

NOAA FORM 76-40 (8-74)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Replaces C&GS Form 567.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit, AMC, Norfolk, VA	Maine	Passamaquoddy Bay	Jan. 1985

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8300	TP-01209	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° /	LATITUDE // D.M. Meters	POSITION LONGITUDE ° /	LONGITUDE // D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED **CANADIAN CHART
BDY RGE MKR 30	(Range Mark 30 (IBC), 1919)	44 53	52.385	66 59	20.934	83 C(C) 9091 09-15-83		13328
SPIRE	(Eastport Congregational Church Spire, 1910)	44 54	15.396	66 59	16.635	" "		13328 **4343
TOWER	(Eastport Weather Bureau National Flagstaff, 1913)	44 54	20.884	66 59	08.688	" "		13328 **4343
STAND-PIPE	(Eastport Standpipe, 1910)	44 54	25.113	66 59	23.664	" "		13328
BDY RGE MKR 8	(Range Mark 8 (IBC), 1919)	44 54	32.650	66 59	42.932	" "		13328
BDY RGE MKR 14	(Range Mark 14 (IBC), 1919)	44 54	41.368	66 59	02.204	" "		13328
BDY RGE MKR 13	(Range Mark 13 (IBC), 1976)	44 55	06.651	66 59	22.462	83 C(C) 9092 09-15-83		13328
BDY RGE MKR 17	(Range Mark 17 (IBC), 1919)	44 55	07.467	66 58	02.573	" "		13328
BDY RGE MKR 7	(Range Mark 7 (IBC), 1919)	44 55	10.181	67 00	05.528	" "		13328

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

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	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.

NOAA FORM 76-40 (8-74)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Replaces C&GS Form 567.

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit AMC, Norfolk, VA	Maine	Passamaquoddy Bay	Jan.1985

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8300	TP-01209	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED **CANADIAN CHART
TANK	(Redoubt Hill Tank, 1946)	44 55	12.350	67 00	46.599	83 C(C) 9092 09-15-83		13328
BDY RGE MKR 10	(Range Mark 10 (IBC), 1919)	44 55	15.816	67 00	30.295	83 C(C) 9092 09-15-83		13328
BDY RGE MKR 9	(Range Mark 9 (IBC), 1919)	44 55	21.849	67 00	21.123	" "		13328
BDY RGE MKR 11	(Range Mark 11 (IBC), 1919)	44 55	32.773	66 59	11.194	" "		13328
TANK	(Quoddy Village Tank, 1946)	44 55	41.710	67 01	39.470	83 C(C) 9093 09-15-83		13328
STACK	At Eastport	44 54	25.1	66 59	04.6	83 C(C) 9091 09-15-83		13328 **4343
STACK	N. Eastport (charted on Canadian chart only)	44 54	51.8	66 59	13.9	83 C(C) 9092 09-15-83		**4343
SPIRE	(charted on Canadian chart only) (Eastport Catholic Church Spire, 1910)	44 54	22.334	66 59	29.902	83 C(C) 9091 09-15-83		**4343

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

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.
EXAMPLE: 75E(C)6042
8-12-75

FIELD

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1 - Triangulation	5 - Field identified
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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.

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS [illegible] FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
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REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit, AMC, Norfolk, VA	Maine	Passamaquoddy Bay	Jan. 1985

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LIGHT	Dog Island Light 5 (Dog Island Light, 1946)	44 55	06.544	66 59	22.980	83 C(C) 9092 09-15-83		13328 4373** 4343**
LIGHT	Cherry Islet Light	44 55	06.9	66 58	02.0	83 C(C) 9092 09-15-83		13328 4373** 4343**
LIGHT	*Deer Island Point Light	44 55	31.119	66 59	07.490	83 C(C) 9092 09-15-83		13328 4373** 4343**
	*Positioned by Aerotriangulation							

5

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

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
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EXAMPLE: 75E(C)6042
8-12-75

FIELD

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L - Located	Vis - Visually
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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.
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8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED
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EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH
Enter 'V-Vis.' and date.
EXAMPLE: V-Vis.
8-12-75

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(3-28-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ____________________

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 Revie*

CHART	DATE	CARTOGRAPHER	REMARKS
13394	8/90	CORDTS	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. New Chart
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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