

TP-01112

TP-01112

NOAA FORM 76-35
(6-80)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

<i>Map No.</i> TP-01112	<i>Edition No.</i> 1
<i>Job No.</i> CM-8101	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> MAINE	
<i>General Locality</i> PENOBSCOT BAY	
<i>Locality</i> BLUE HILL HARBOR	
19 82 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 01112 MAP EDITION NO. (1) MAP CLASS III (Final) JOB PN -CM-8101	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
OFFICER-IN-CHARGE A. Y. Bryson, CDR							
I. INSTRUCTIONS DATED							
1. OFFICE Aerotriangulation February 2, 1983 Office (Compilation) February 1, 1984				2. FIELD Field March 24, 1982 (Horizontal Control)			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION Transverse Mercator Projection				4. GRID(S) STATE Maine ZONE East			
5. SCALE 1:20,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				S. Solbeck		Sept. 1983	
METHOD: Analytic LANDMARKS AND AIDS BY				D. Norman		Sept. 1983	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S. Solbeck		Sept. 1983	
METHOD: Coradomat CHECKED BY				D. Norman		Sept. 1983	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				P. Evans		Mar. 1984	
COMPILATION CHECKED BY				F. Mauldin / W. McLemore		Mar. 1984	
INSTRUMENT: Wild B-8				NA			
SCALE: 1:20,000				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				P. Evans		Mar. 1984	
CHECKED BY				F. Mauldin		April 1984	
METHOD: Smooth Drafted				NA			
CHECKED BY				NA			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				P. Evans		Mar. 1984	
CHECKED BY				F. Mauldin		April 1984	
5. OFFICE INSPECTION PRIOR TO Final Review BY				F. Mauldin		April 1984	
6. APPLICATION OF FIELD EDIT DATA BY				None			
CHECKED BY				None			
7. COMPILATION SECTION REVIEW BY				F. Mauldin		April 1984	
8. FINAL REVIEW CLASS III BY				J. Hancock		May 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Hancock		June 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				C. Lewis		AUG 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R.S. KORNSPAN		FEB 1985	

TP-01112

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C. 10(C) (C=88.47mm)		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 CONTROLLED PHOTOGRAPHY **				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
82 C(C) 3603 - 3605 *	6/27/82	09:25	1:50,000	0.4 below MLW	
82 C(I) 3958 - 3961 **	7/04/82	09:56	1:50,000	0.7 below MHW	
83 C(I) 9658 - 9660 **	9/29/83	09:08	1:50,000	1.2 above MLW	
Mean tide range = 9.7ft					

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

** Tide coordinated MHW and MLW photographs based on actual tide data. All photos are referenced to the temporary tide gage at Castine.

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 photographs were used to assist in the interpretation of the MHW line.

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

The Mean Low Water Line was compiled graphically from the ratioed black and white tide coordinated MLW infrared 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	No survey	TP-01116	*TP-01111

REMARKS

*There is no junction of detail with TP-01111

TP-01112
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY (Photo Party 62)	R. Tibbetts	June 1982
2. HORIZONTAL CONTROL	RECOVERED BY P. Walbolt	June 1982
	ESTABLISHED BY P. Walbolt	June 1982
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	June 1982
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY NA	
	LOCATED (Field Methods) BY NA	
	IDENTIFIED BY NA	
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 NONE	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Premarked (Paneled)		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82C(C)3702	Blue Hill Lookout Tower, 1956 (Sub Sta. paneled)		

3. PHOTO NUMBERS (Clarification of details)

NA

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

NA

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

NA

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

The following records are field data submitted for the entire project.

Three forms 277 (Tide Staff Location Books)

Six NOAA forms 76-77 (Leveling Record Books - Tide Stations)

NOAA forms 76-53 (CSI Cards), 2 Field Obser Bks (NOAA form 76-52 & USC&GS form 252)

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-01112
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	April 1984	Class III Manuscript	None	None
Final Review, Class III	May 1984	Final Class III Map, No field edit performed	AUG 22 1984	AUG 22 1984

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		AUG 22 1984	Landmarks to be charted

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)

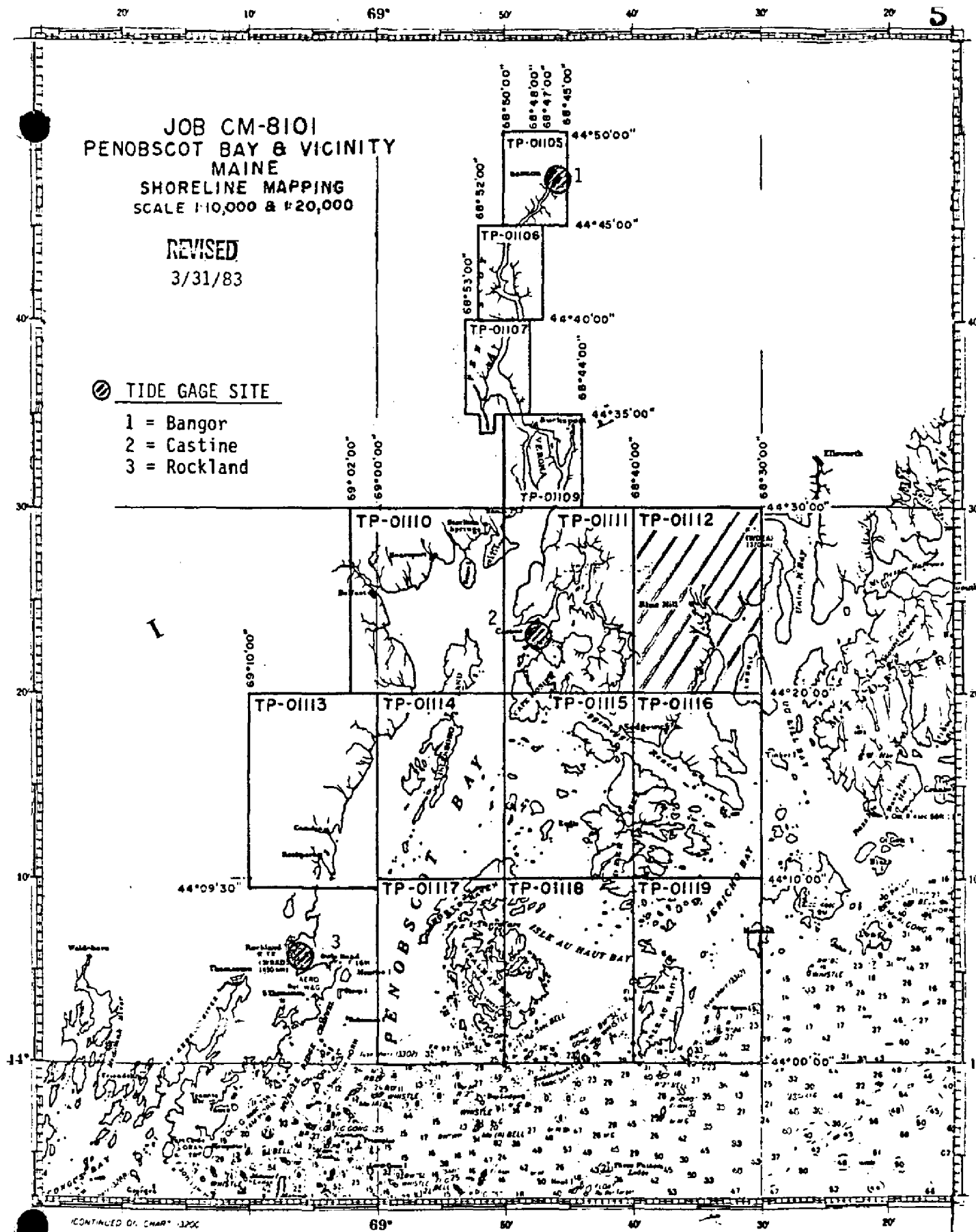
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	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	

JOB CM-8101
PENOBSCOT BAY & VICINITY
MAINE
SHORELINE MAPPING
SCALE 1:10,000 & 1:20,000

REVISED
3/31/83

⊗ TIDE GAGE SITE

- 1 = Bangor
- 2 = Castine
- 3 = Rockland



CONTINUED ON CHART 1300

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01112

This 1:20,000 scale final Class III shoreline map is one of six maps designated as Part III, the last segment, of project CM-8101, Penobscot Bay and Vicinity, Maine. Aerotriangulation and compilation operations for the entire 14 map project were segmented in order to meet production schedules.

The purpose of this project is to provide current charting information for nautical chart maintenance and to furnish support data for hydrographic operations.

This final Class III map portrays the shoreline area along the west side of Long Island and features Blue Hill Harbor.

Photo coverage was adequately provided by natural color and tide coordinated infrared photographs. All photographs were taken with the Wild RC-10 (C) camera at 1:50,000 scale. Color photographs required for aerotriangulation and compilation were taken June 1982. The black and white infrared photographs required for MLW delineation and to complement the establishment of the MHW line were taken July/August 1982. Additional tide coordinated MLW infrared photographs were provided Sept. 1983 to complete coverage for the southeast portion of the project.

Field work prior to compilation consisted of installing and monitoring tide gages for the tide coordinated photography, and the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. This activity was completed August 1982.

Analytic aerotriangulation was adequately provided by the Washington Science Center. Aerotriangulation operations also included ruling the base manuscripts, determining ratio values for photographs and locating visible navigational aids.

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center in April 1984. Compilation included the use of MHW and MLW tide coordinated infrared photographs. Refer to the Compilation Report for specific use of this photography.

Field edit will not be accomplished for this map.

Final review was performed at the Atlantic Marine Center in May 1984. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also, a Notes to Hydrographer print was prepared for hydrographic activity.

This Descriptive Report contains all pertinent information used to compile this final Class III map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-01112

There was no field inspection prior to compilation. Field work accomplished was limited to installing and monitoring tidegages for the tide coordinated photography, and the recovery, establishment and identification (premarking) of horizontal control necessary for aerotriangulation.

PHOTOGRAMMETRIC PLOT REPORT
CM 8101
PENOBSCOT BAY AND VICINITY, MAINE
PART TWO

Area Covered

The area covered by this report is that portion of the Penobscot Bay shoreline surrounding Isle Au Haut Bay and Jerico Bay, as well as the eastern portion of Penobscot Bay. Six 1:20,000-scale manuscripts: TP-01112 and TP-01114 through TP-01119 cover this area.

Method

Four strips of 1:50,000-scale color photographs were bridged by standard analytic aerotriangulation methods. The horizontal control was premarked. Tie points were used to ensure the adequate junctioning between all bridging strips. Once bridged, a block adjustment covering the entire project ensured that this portion of the project junctioned well with that previously completed. This adjustment provided the final ground positions for those points used in the compilation of the 1:20,000-scale manuscripts, as well as positions used to control the 1:30,000-scale bridging photographs.

The 1:30,000-scale color bridging photographs were used to locate a series of premarked images which are to be used for hydrographic surveys in this area. Of a total 155 premarked panels, 137 were actually located and measured over the entire project.

The 1:50,000-scale black and white infrared photographs were ratioed to supplement the compilation photographs. Ratio values have been determined.

The manuscripts were plotted on the Coradomat 21 using the Maine East Zone (Transverse Mercator).

Adequacy of Control

The control provided was adequate for the compilation of the 1:20,000-scale manuscripts. For a more accurate overall adjustment, including the determination of positions of the hydrographic survey marks, additional control throughout the central islands of Penobscot Bay would have been beneficial. The control fit well within the National Standards of Map Accuracy.

Supplemental Data

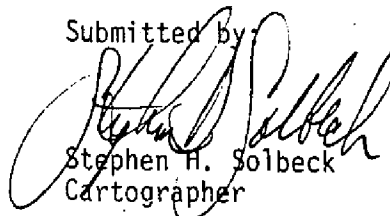
USGS quadrangles were used to provide vertical control for the strip and block adjustments.

Nautical charts were used to locate aids and landmarks.

Photography

The coverage, overlap, and quality of photographs proved adequate for completion of the project. The original film negatives were used in this project.

Submitted by:


Stephen H. Solbeck
Cartographer

Approved and Forwarded:



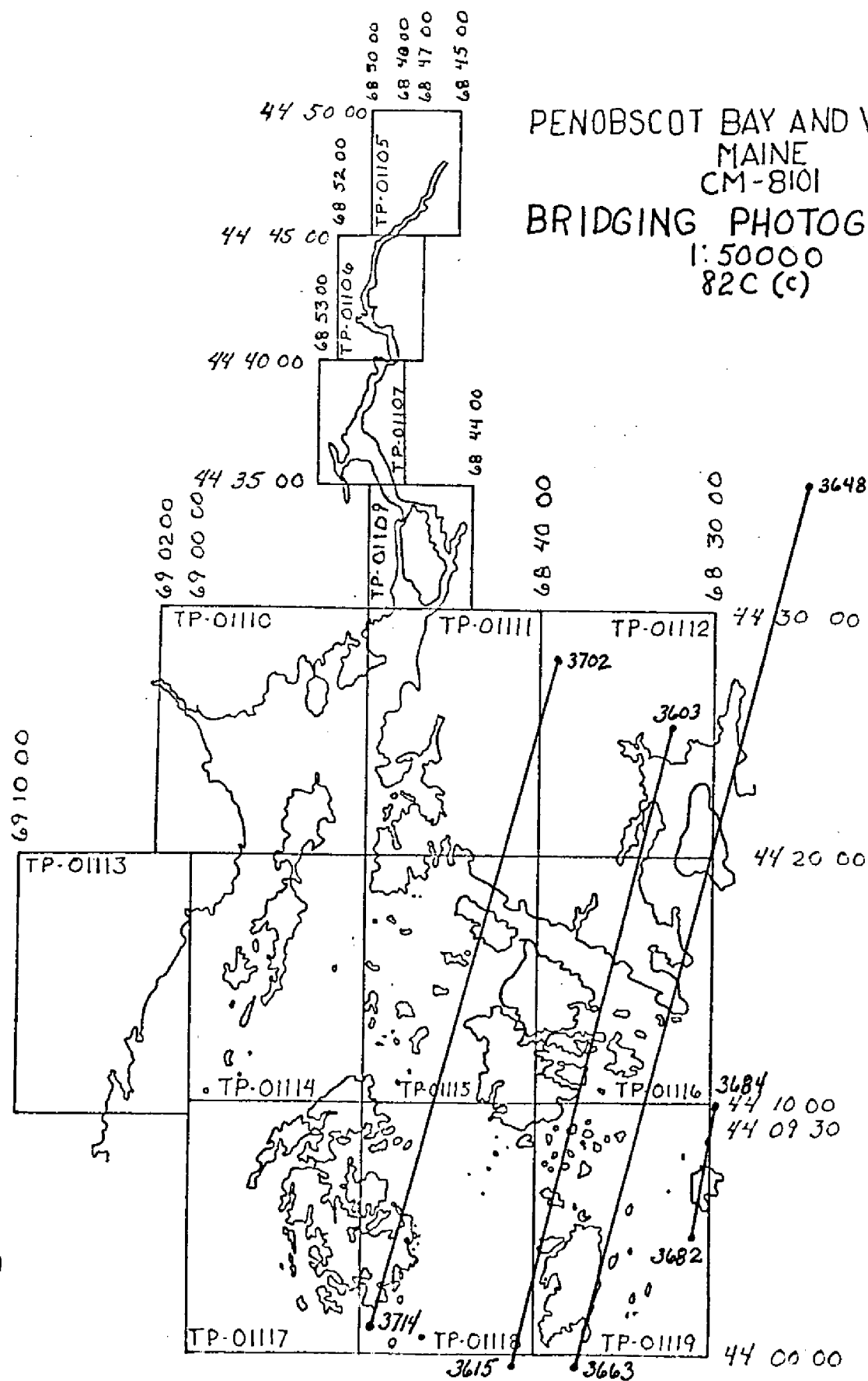
Don O. Norman
Chief, Aerotriangulation Unit

CM-8101
 PENOBSCOT BAY AND VICINITY
 FIT TO CONTROL
 1:50,000
 BLOCK ADJUSTMENT POSITIONS

STATION NAME		VALUES IN FEET	
		x	y
Dyer (1861) Sub Point	729101▲	0	+0.01
West Stockton White Church Spire	825100	+2.01	-1.15
Sub Point	825101▲	0	0
Sparks House Chimney, Sub Point	827101▲	0	0
Rockland Breakwater Lighthouse	570100	+2.29	+1.55
Sub Point	570101▲	0	0
Mount Battle Memorial Observatory			
Sub Point	573101▲	-.01	-.01
Temperance	576100▲	-.01	-.01
Kittredge Rm 1	592101▲	+0.01	0
Heron Neck Lighthouse, Sub Point	724101▲	0	+0.01
Castine Orthodox Church Spire	742100	+1.74	+1.60
Sub Point	742101▲	0	0
Blue Hill Lookout Tower			
Sub Point	702101▲	-.03	+0.01
Stubbs, Sub Point	587101▲	0	-.01
West Stonington Church Spire	709100	-2.47	+1.26
Sub Point	709101▲	-.41	-.05
Brooklyn Church Spire	607100	-.41	+0.20
Sub Point	607101▲	-.04	+0.05
Base	614100▲	+0.03	+0.09
Rocky, Sub Point 2	649101▲	+0.06	+0.07
Bangor Radio Station WLBE			
Tallest Mast of Two	591141	+1.64	+1.83
Bangor, Unitarian Church Spire	590144	+3.42	-1.08
Bangor Tank, Flagpole	590143	+3.57	+1.82
Bangor Dow AFB, Standpipe	590149	+3.50	+2.63
Bangor Radio Station WABI			
East Mast	590147	-.06	+1.76
West Mast	590146	+2.89	+0.82
Orrington Church Spire	588141	+4.49	-.30
Winterport Church Clock Spire	586141	+0.19	+3.74
Steel Ledge Monument Light			
(Steel Ledge Beacon)	579151	-4.03	+8.73
Stone Beacon	734151	-2.53	+5.98
Duck Trap Church Spire	576141	+0.85	+6.24
Negro Island Lighthouse	573151	+5.04	-4.86
Camden White Brick Stack	573141	+3.57	-.06
Rockport School House Clock Spire	572141	+0.87	-2.59
Rockport White Square Cupola	572142	+1.78	+2.23
The Graves Light	573152	-.93	-1.53
Indian Island Lighthouse	572144	-.58	-.22

North Haven Water Tower	727149	-.77	+.89
Odens Ledge Beacon	827151	-6.47	-1.84
Fort Point Ledge Beacon	731501	-2.99	-1.48
Coombs Point Water Tank	823141	-2.47	+1.93
N.E. Point Light	573153	-1.33	-10.94
Bucksport Silver Standpipe	828142	-3.82	+1.80
Bucksport E. Maine Conference			
Seminary Cupola	828139	-2.23	+.77
Hamden Congressional Church Spire	589141	+9.82	+3.16
Naskeag Church Cupola	657141	+3.74	+5.30
Eagle Island Lighthouse	708144	+1.70	+4.00
Goose Rocks Lighthouse	711152	+2.29	+.53
Widows Island, Center of House	711141	+6.89	-8.54
Vinal Haven, Watertower	714141	+.58	-.41
Deer Isle, N.W. Harbor Church Spire	609141	-4.11	+6.68
Whitmore Neck, Belfry in School	610141	-.54	-.35
Stonington, Water Tower	611142	-1.46	-1.43
Deer Island Thorofare Lighthouse	611151	+1.68	-1.95
Isle Au Haut, Church Spire	612141	-7.36	+7.22
Saddleback Ledge, Lighthouse	614151	-3.95	+2.89
Blue Hill Bay, Lighthouse	656150	+1.93	-3.93
Vinal Haven, Channel Rock Beacon	711551	+1.52	+2.13

▲ POINTS HELD IN THE BLOCK ADJUSTMENT

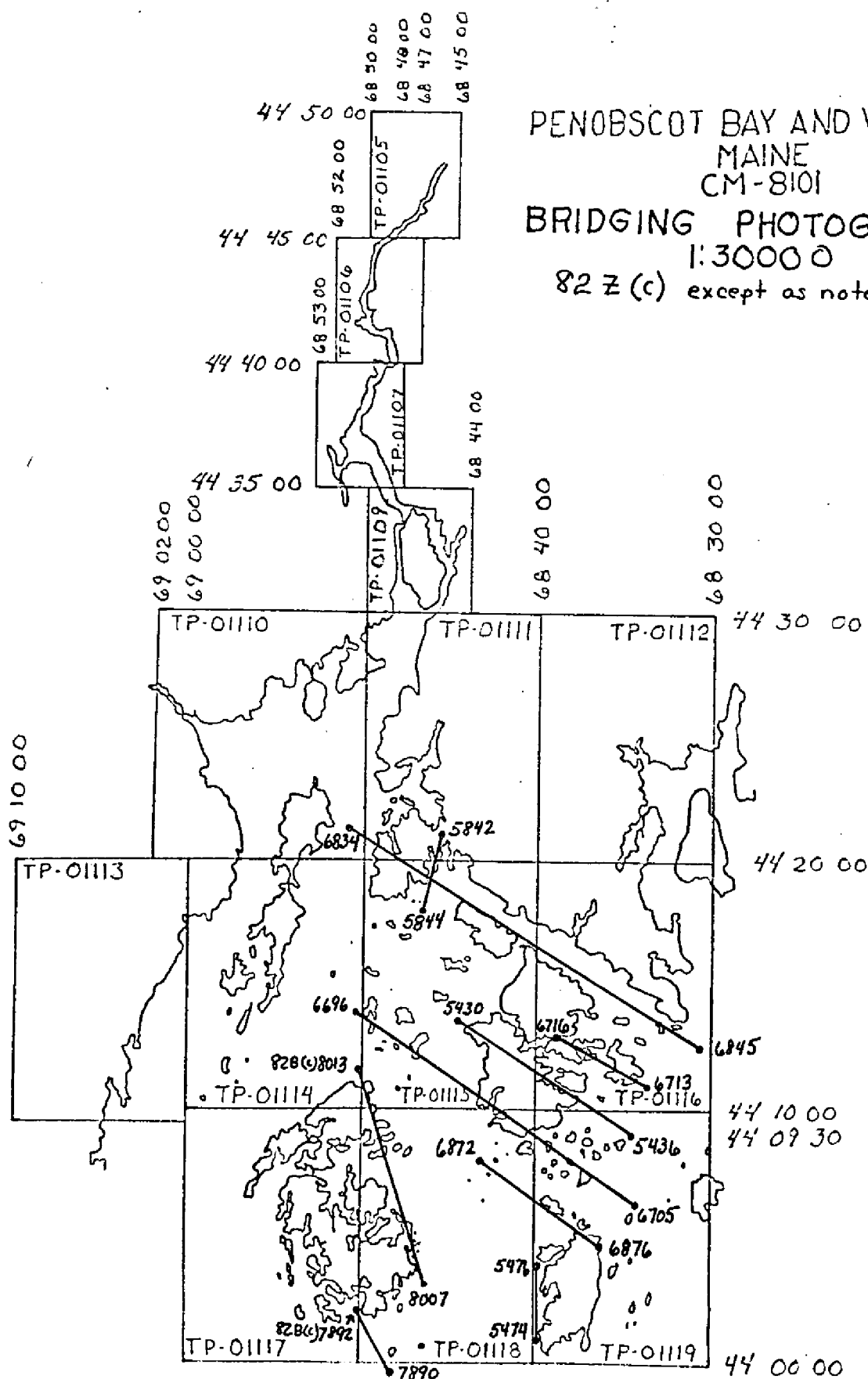


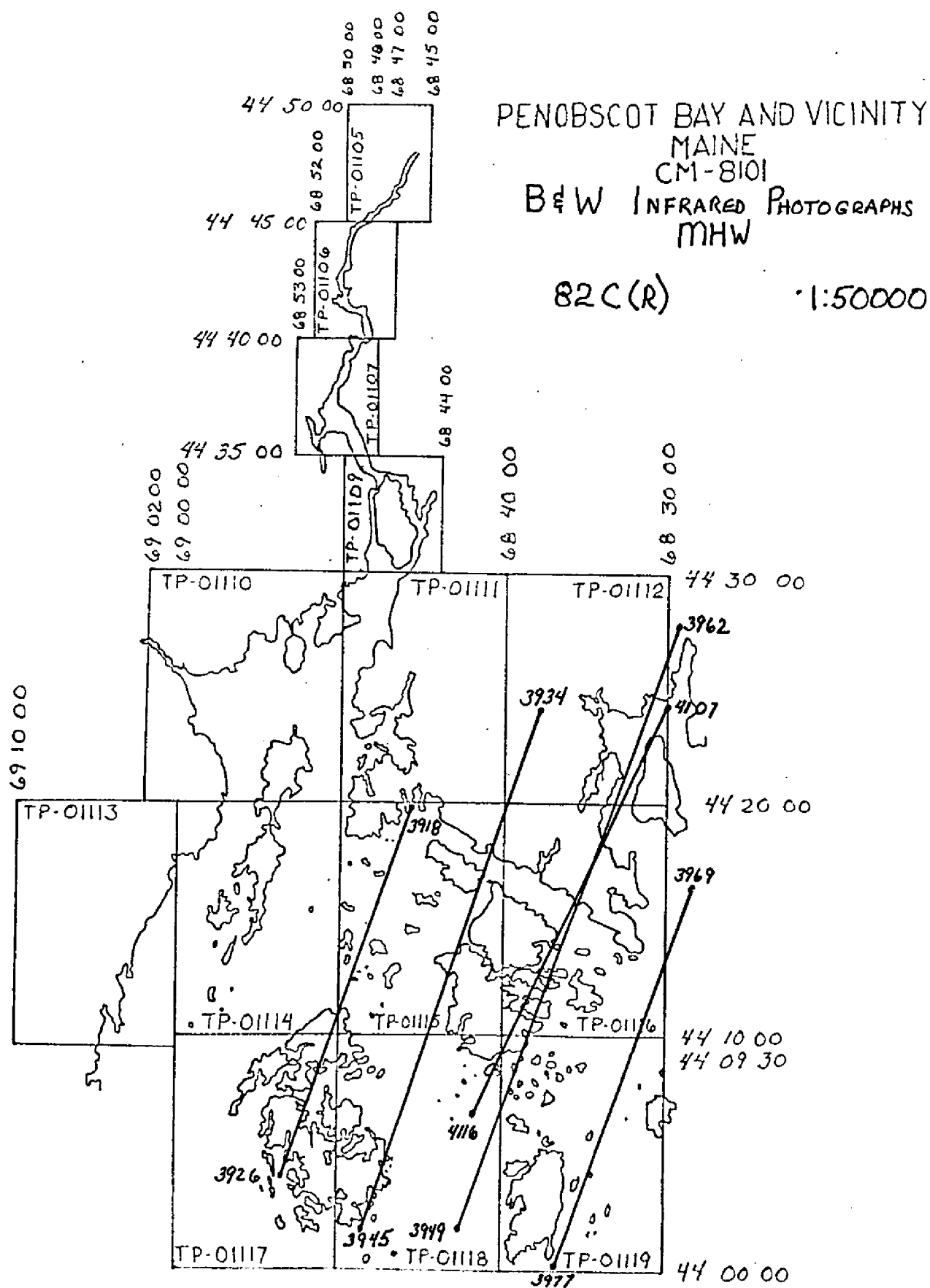
PENOBSCOT BAY AND VICINITY
MAINE
CM-8101

BRIDGING PHOTOGRAPHS

1:30000

82 Z (c) except as noted



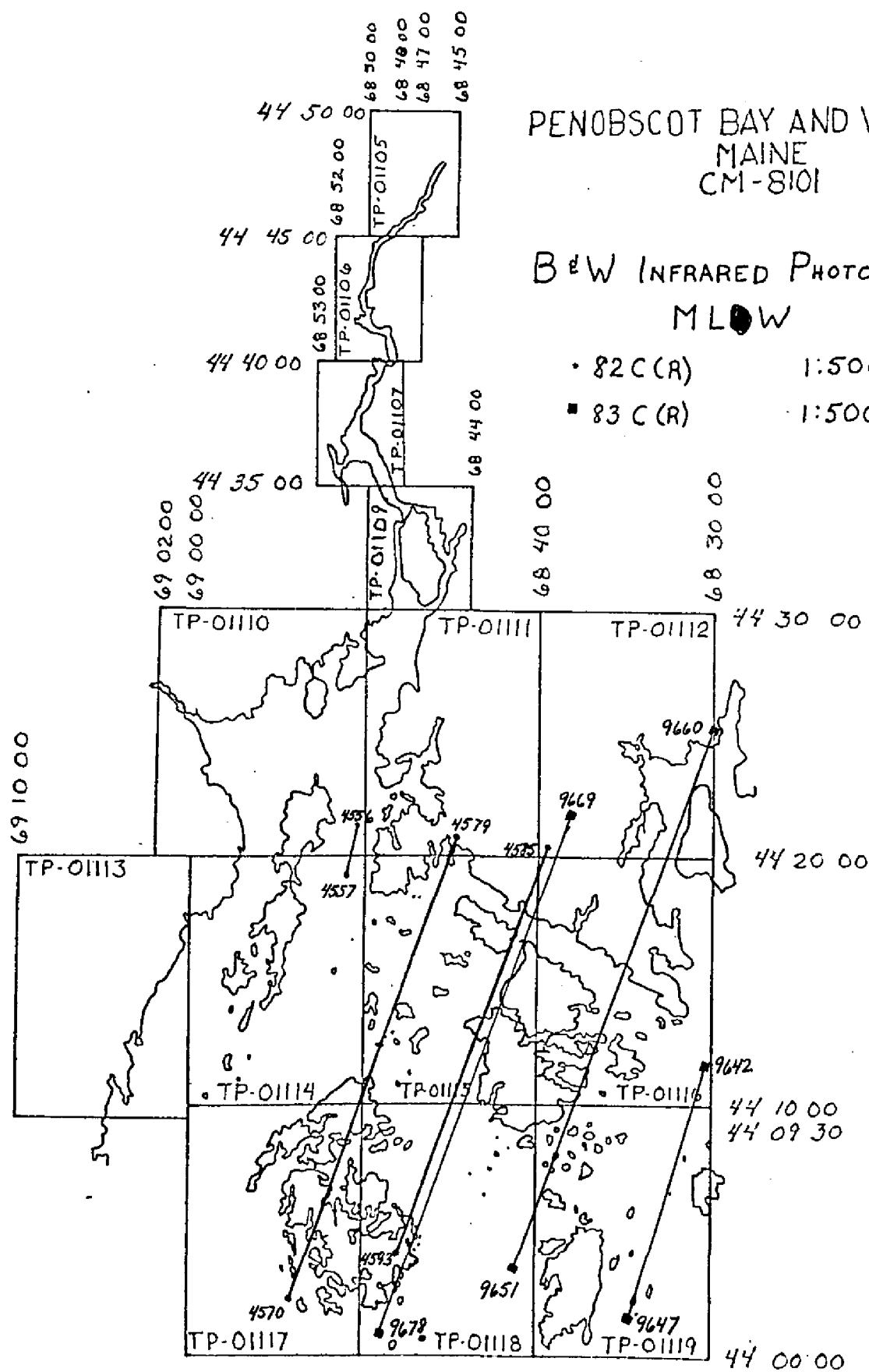


PENOBSCOT BAY AND VICINITY MAINE CM-8101

B&W INFRARED PHOTOGRAPHS
MLOW

• 82 C (R) 1:50000

■ 83 C (R) 1:50000



RATIO VALUES
CM-8101
PENOBSCOT BAY AND VICINITY, MAINE

1:50,000	Color Bridging	Ratio Value
82-C(C)	3603 thru 3615	2.537
	3648 thru 3662	2.530
	3682 thru 3684	2.527
	3705 thru 3714	2.547

1:50,000 Black and White Infrared

82-C(R)	3933 thru 3945	2.522
	3949 thru 3960	2.238
	3969 thru 3977	2.540
	4106 thru 4116	2.584
	3895 thru 3897	2.550
	3918 thru 3928	2.549

MLW

82-C(R)	4562 thru 4564	2.524
	4569 thru 4579	2.538
	4585 thru 4593	2.534
83-C(R)	9642 thru 9647	2.523
	9651 thru 9660	2.527
	9669 thru 9678	2.520

COMPILATION REPORT

TP-01112

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shoreline and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation color photographs. Tide coordinated MHW infrared photographs were used to assist in interpretation of the shoreline delineation. Tide coordinated MLW infrared ratio photographs were used to graphically compile the approximate mean low waterline. 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 NOAA Form 76-36B. The color compilation photography was adequate. The quality of the infrared photography was poor with regards to identifying precise image points common to the compilation photographs. Consequently, ratio infrared MLW photographs were primarily controlled by instrument delineation of shoreline detail.

32 - CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, Part II.

33 - SUPPLEMENTAL DATA

None.

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 waterline was compiled from office interpretation of the compilation color photographs. The tide coordinated MHW infrared photographs were used to complement the shoreline delineation. No MHW infrared ratio photographs were provided.

Although the scale of photography was (1:50,000), an attempt was made to distinguish between the ledge and rocky areas. Foreshore areas of scattered rocks were generally represented by individual rocks. The term "RKY" was used to classify foreshore areas of dense rocks and boulders in lieu of numerous rock symbols. The ledge symbol was used in areas of rock density and where the ledge was apparent.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods as described in item #31. Both the 1:50,000 scale MHW and MLW photographs were used to assist in interpretation.

In order to graphically compile the approximate mean low waterline as described in item #31, the MLW infrared photographs were ratioed as follows:

83 C(I) 9658 - 9660, 2.527 times

37 - LANDMARKS AND AIDS

There were 12 charted landmarks and no charted aids within the mapping limits of this manuscript. Among these, 8 landmarks 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 U.S. Geological Quadrangles: Blue Hill, Maine, 1981, scale 1:24,000; and Brooklin, Maine, 1981, scale 1:24,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13316, scale 1:40,000, 16th edition, dated June 19, 1982; and 13312, scale 1:80,000, 17th edition, dated May 2, 1981.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

for P. L. Evans, Jr.

P. L. Evans, Jr.
Cartographic Technician
April 6, 1984

Approved,

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

REVIEW REPORT TP-01112
SHORELINE

61. GENERAL STATEMENT

Aerotriangulation and compilation operations for this project were segmented in order to meet production schedules. This map represents one of six 1:20,000 scale maps designated as Part III for project CM-8101, Penobscot Bay and Vicinity, Maine.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale quadrangles: Brooklin, Maine, dated 1981, and Blue Hill, Maine, dated 1981.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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 proposed hydrographic activity.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13316, scale 1:40,000, 16th edition, dated June 19, 1982; and 13312, scale 1:80,000, 17th edition, dated May 2, 1981.

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

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Robert W. Ladd

Chief, Photogrammetric Section, Rockville

Ronald K. Brewer

Chief, Photogrammetry Branch,
Rockville

May 2, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

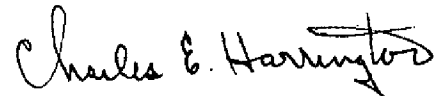
CM-8101 (Penobscot Bay, Maine)

TP-01112

Allen Point
Big Peters Brook
Blue Hill (locality)
Blue Hill Bay
Blue Hill Falls (locality)
Blue Hill Harbor
Blue Hill Neck
Bog Island
Canary Cove
Carleton Island
Carleton Stream
Closson Point
Conary Point
Curtis Cove
Darling Island
Darling Ledge
Deep Cove
Duck Marsh
East Blue Hill (locality)
First Pond
High Head
Holden Point
Hub Island
Kniesel Point
Lone Cove
Long Island

McHeard Brook
McHeard Cove
Meeting House Point
Mellos Cove
Mill Island
Mink Island
North Sedgwick
Owls Head
Parker Point
Peters Cove
Robertson Cove
Salt Camp Cove
Salt Pond (1)
Salt Pond (2)
Sand Island
Sand Point
Sculpin Point
South Blue Hill (locality)
Steamboat Field Point
Stills Point
The Bluff
The Channel
The Nub
Triangles
Woods Point

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
NONFLUORINATING AIDS OR LANDMARKS FOR CHARTS				LOCALITY				DATE			
REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Unit AMC, Norfolk, VA				STATE Maine				Penobscot Bay			
TO BE CHARTED TO BE REVISED TO BE DELETED				HAVE <input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/> been inspected from seaward to determine their value as landmarks.				DATE Feb 1984			
OPR PROJECT NO.				JOB NUMBER CM-8101				SURVEY NUMBER TP-01112			
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)				POSITION				METHOD AND DATE OF LOCATION (See instructions on reverse side)			
CHARTING NAME				LATITUDE				LONGITUDE			
				D.M. Meters				D.P. Meters			
LOOKOUT TOWER	(Blue Hill Lookout Tower, 1956)	44 26	02.284	68 35	29.043	82C(C) 3603 6/27/82	13312 13316				
SPIRE		44 24	56.7	68 35	19.3	"	"				
SPIRE	(Blue Hill Cong. Church Spire, 1863)	44 24	40.701	68 35	31.543	"	"				
CULVERT		44 24	50.6	68 34	22.5	"	"				
CHIMNEY		44 24	13.3	68 32	31.8	"	"				
BOULDER	North one of two	44 22	19.1	68 33	06.4	82C(C) 3604 6/27/82	"				
BOULDER	South one of two	44 22	17.8	68 33	05.6	"	"				
SPIRE		44 25	04.9	68 31	22.8	82C(C) 3603 6/27/82	"				

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RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	P. Evans
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions* require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	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.

*FIELD POSITIONS are determined by field observations based entirely upon ground survey 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.

