

TP-01105

TP-01105

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

Type of Survey Shoreline
Job No. CM-8101 Map No. TP-01105
Classification No. III Edition No. I
(Final)

LOCALITY

State Maine
General Locality Penobscot Bay
Locality Bangor

19 82 TO 19

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED BY
QUALITY CONTROL OF PHOTOGRAMMETRY DIVISION
PRIOR TO REGISTRATION

NOAA FORM 76-36a (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, MD		SURVEY TP. <u>01105</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III(Final)</u> JOB <u>#. CM-8101</u>	
OFFICER-IN-CHARGE Lawrence W. Fritz		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__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation 2/2/83 Office (Part 1) 4/19/83		Field 3/24/82	
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		4. GRID(S) STATE <u>Maine</u> ZONE <u>East</u> STATE _____ ZONE _____	
5. SCALE <u>1:10,000</u>		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		BY <u>S. Solbeck</u>	<u>4/83</u>
LANDMARKS AND AIDS BY		" "	"
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat 21</u>		PLOTTED BY " "	"
CHECKED BY		C. Heazel	6/83
3. STEREOSCOPIC INSTRUMENT COMPILATION		PLANIMETRY BY " "	"
INSTRUMENT: <u>B-8</u>		CHECKED BY	P. Dempsey
SCALE: <u>1:10,000</u>		CONTOURS BY	N/A
CHECKED BY		N/A	"
4. MANUSCRIPT DELINEATION		PLANIMETRY BY	C. Heazel
METHOD: <u>Smooth Drafted</u>		CHECKED BY	J. Schad
SCALE: <u>1:10,000</u>		CONTOURS BY	N/A
HYDRO SUPPORT DATA BY		N/A	"
CHECKED BY		N/A	"
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY	N/A
6. APPLICATION OF FIELD EDIT DATA		BY	N/A
CHECKED BY		N/A	"
7. COMPILATION SECTION REVIEW		BY	Ed Allen
8. FINAL REVIEW		BY	6/83
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY	R. Kelly
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY	1/84
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY	N/A
E. DAUGHERTY		NOV 1984	

COMPILATION SOURCES

TP-01105

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10(C) F1=88.47 Wild RC-10(Z) F1=153.15		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR ----- (P) PANCHROMATIC ----- (I) INFRARED -----		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Eastern	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				60th	
				<input type="checkbox"/> STANDARD	
				<input checked="" type="checkbox"/> DAYLIGHT	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
82 ZC 5728 - 41	9/5/82	8:18	1:30,000	+3.5MLW
82 CR 4122 - 25	7/14/82	10:29	1:30,000	+1.5MLW
82 CR 4499 - 4502	8/16/82	9:82	1:30,000	-2.0MHW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the high water-line is the MHW infrared photographs listed in item 1 above

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

The source of the mean low-water-line is the MLW infrared photographs listed in item 1 above

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
None	None	TP-01106	None

REMARKS

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

TP-01105

HISTORY OF FIELD OPERATIONS

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Photo Party 62	Robert S. Tibbetts
	RECOVERED BY	Walbolt/Dunford/James
2. HORIZONTAL CONTROL	ESTABLISHED BY	" " "
	PRE-MARKED OR IDENTIFIED BY	" " "
3. VERTICAL CONTROL	RECOVERED BY	N/A
	ESTABLISHED BY	N/A
	PRE-MARKED OR IDENTIFIED BY	N/A
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	N/A
	LOCATED (Field Methods) BY	N/A
	IDENTIFIED BY	N/A
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input 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
N/A2. VERTICAL CONTROL IDENTIFIED
N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

N/A

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

N/A

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

N/A

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

NOAA forms 76-53(CSI Cards)

Three forms 277(Tide Staff Location Books)

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

NOAA FORM 76-36C
(3-72)

RECORD OF SURVEY USE

TP-01105

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Final Review, Class III	June 1983	Final Class III Map No Field Edit Performed	May 1984	May 1984

II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
Pages 1		May 18, 1984	Aids/Landmarks 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 Records indicated below will be forwarded to the Federal Records Center upon completion of the entire project.

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: _____

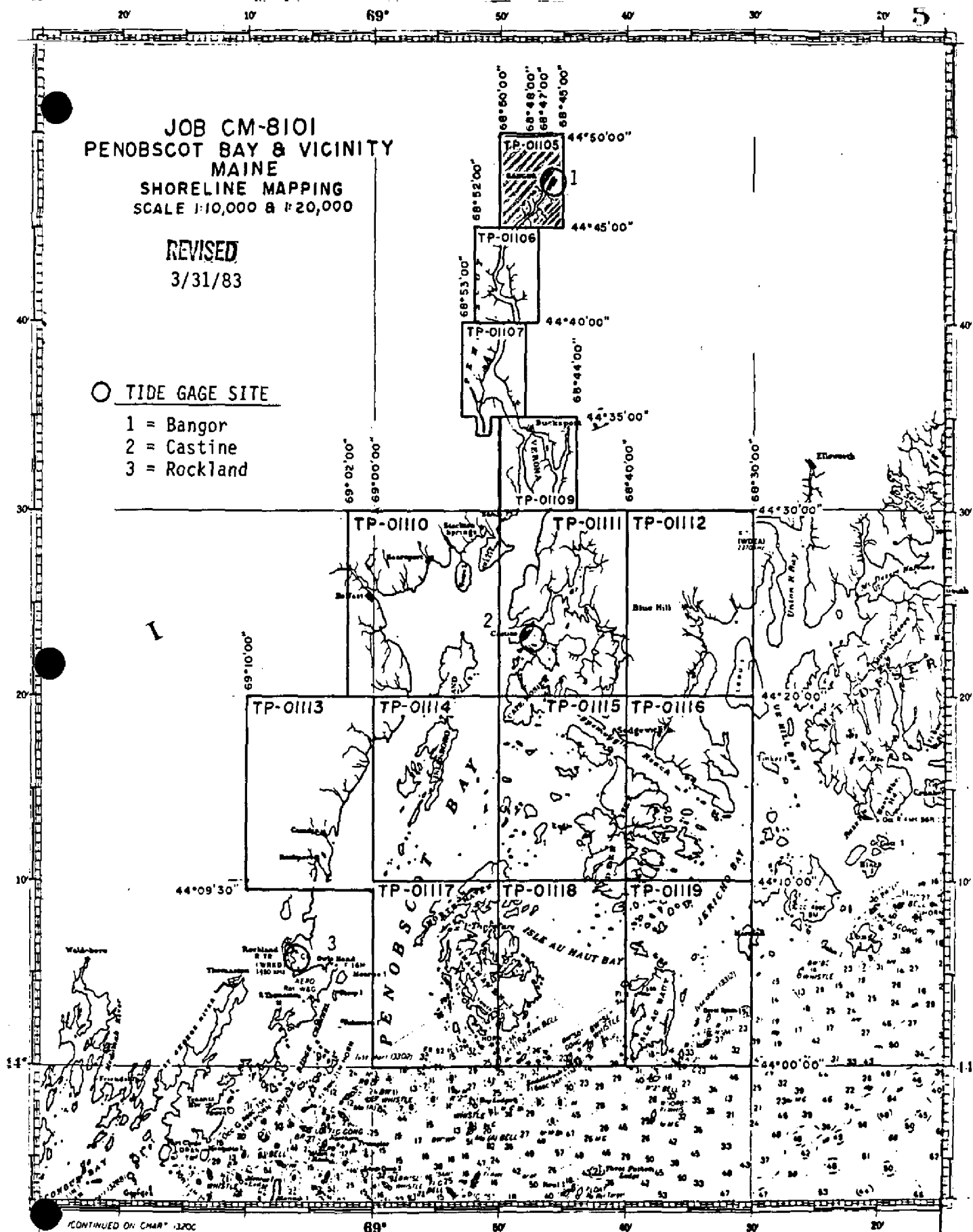
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)			
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> 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



SUMMARY
CM-8101 PART I
TP-01105

This 1:10,000-scale final Class III shoreline map is one of four maps designated as Part I of CM-8101, Penobscot River and adjacent waterways; TP-01105 through TP-01107 and TP-01109.

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 of Penobscot River and adjacent waterways.

Field operations consisted of aerial photographs, installing/monitoring tide gages, recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. There was no field inspection performed.

Natural color and tide-coordinated infrared photographs used to complete this segment of survey were taken in 1982. High altitude photographs were taken at 1:50,000 scale. Compilation photographs were taken at 1:30,000 scale. Black-and-white infrared tide-coordinated photographs were taken at 1:30,000 and 1:50,000 scales at mean high and mean low water.

Analytic aerotriangulation methods were used for bridging which was performed by the Aerotriangulation Unit, Rockville, Maryland.

Compilation was performed by the Coastal Mapping Unit, Rockville, Maryland.

Final review was conducted by personnel of the Quality Control Unit, Rockville, Maryland.

FIELD INSPECTION
TP-01105

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

Photogrammetric Plot Report
CM-8101
Penobscot Bay and Vicinity, Maine
Part One

AREA COVERED

The area covered by this report is the shoreline bordering the Penobscot River, south to Rockport and the northwestern portion of Penobscot Bay. Four 1:10,000 scale manuscripts (TP-01105 through TP-01107 and TP-01109) and four 1:20,000 scale manuscripts (TP-01110, TP-01111, TP-01113, and TP-01114) cover this area.

METHOD

Five 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 these strips. Once bridged, a block adjustment was used to provide the final ground positions for compilation of the 1:20,000 scale manuscripts and for controlling the 1:30,000 scale bridging photographs.

The 1:30,000 scale color photographs had a dual purpose; one, as the primary compilation source for the 1:10,000 scale manuscripts; secondly, to locate a series of premarked images to be used for future hydrographic surveys in the area.

1:50,000 scale and 1:30,000 scale black-and-white infrared photographs were ratioed to be used 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 proved to be adequate for completion of this portion of the project. Tie points from the 1:50,000 scale bridging photographs to the 1:30,000 scale bridging photographs proved to be suitable control for the latter. Control meets the National Standards of Map Accuracy.

SUPPLEMENTAL DATA

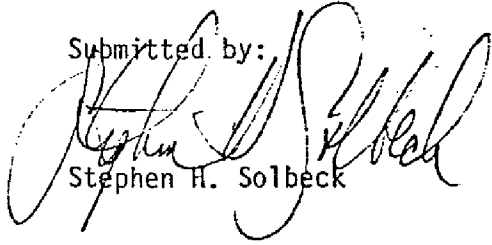
USGS quadrangles were used to provide vertical control for the strip and block adjustments.

Nautical Charts were used to locate aids and landmarks.

PHOTOGRAPHY

The coverage, overlap, and quality of the photographs proved to be adequate for completion of the project.

Submitted by:


Stephen H. Solbeck

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Unit

CM-8101

Penobscot Bay, Maine

Fit to Control

1:50,000

Block Adjustment

STATION NAMEVALUES IN FEET

		<u>X</u>	<u>Y</u>
Dyer (1861) Sub Point	729101 Δ	0	-.02
West Stockton White Church Spire	825100	+2.84	-1.14
Sub Point	825101 Δ	0	0
Sparks House Chimney Sub Point	827101 Δ	-.01	-.01
Rockland Breakwater Lighthouse	570100	+2.16	+1.67
Sub Point	570101 Δ	-.03	-.06
Mount Battle Memorial Observatory			
Sub Point	573101 Δ	0	0
Temperance	576100 Δ	0	0
Kittredge Rm 1	592101 Δ	0	0
Heron Neck Lighthouse Sub Point	724101 Δ	0	0
Castine Orthodox Church Spire	742100	+1.43	+1.69
Sub Point	742101 Δ	0	0
Blue Hill Lookout Tower	702100	-.47	-.26
Sub Point	702101 Δ	0	0
Stubbs Sub Point	587101 Δ	-.09	+1.04
Bangor Radio Station WLBZ			
Tallest Mast of 2	591141	+1.56	+2.54
Bangor Unitarian Church Spire	590144	+3.87	-.67
Bangor Tank, Flagpole	590143	+3.45	+2.27
Bangor Dow AFB Standpipe	590149	+3.30	+3.06
Bangor Radio Station WABI			
East Mast	590147	+1.06	+1.65
Bangor Radio Station WABI			
West Mast	590146	+3.98	+1.70

2

Orrington Church Spire	588141	+4.72	-.43
Winterport Church Clock Spire	586141	+.35	+3.84
Steel Ledge Monument Light			
(Steel Ledge Beacon)	579151	-5.57	+9.21
Stone Beacon	734151	-2.15	+6.15
Duck Trap Church Spire	576141	+.57	+6.40
Negro Island Lighthouse	573151	+5.52	-4.77
Camden White Brick Stack	573141	+3.71	+.32
Rockport School House Clock Tower	572141	+.82	-2.70
Rockport White Square Cupola	572142	+1.75	+2.06
The Graves Light	573152	-.50	-2.14
Indian Island Lighthouse	572144	-.72	-.57
North Haven Water Tower	727149	-1.51	+2.59
Odens Ledge Beacon	827151	-5.70	-1.70
Fort Pt. Ledge Beacon	731501	-.64	+.42
Coombs Pt. Water Tank	823141	-1.52	+1.94
Dice Head Lighthouse	823443	-3.08	-4.14
N.E. Pt. Light	573153	-1.79	-10.63
Bucksport Silver Standpipe	828142	-3.05	2.01
Bucksport E. Maine Conference			
Seminary Cupola	828139	-1.65	+.79
Hamden Congressional Church Spire	589141	+10.09	+2.89
Goose Rocks Lighthouse	727145	-8.28	-5.05

△ STATIONS HELD IN THE BLOCK ADJUSTMENT

Ratio Values
CM-8101
Penobscot Bay and Vicinity, Maine

1:50,000	Color Bridging	Ratio Value
82C(C)	3562 and 3563	2.530
82C(C)	3572 thru 3581	2.533
82C(C)	3731 thru 3735 (odd)	2.546
82C(C)	3736 thru 3748 (even)	2.546
82C(C)	3703 thru 3705	2.532
82C(C)	3817 thru 3826	2.540

1:50,000 Black-and-White Infrared

82C(R)	3857 thru 3859	2.547
82C(R)	3865 thru 3876	2.543
82C(R)	3897 thru 3906	2.550
82C(R)	3914 thru 3923	2.549
82C(R)	3935 thru 3936	2.512
82C(R)	4237 thru 4239	2.598
82C(R)	4535 thru 4545	2.521
82C(R)	4552 thru 4562	2.524
82C(R)	4573 thru 4583	2.538
82C(R)	4585 thru 4586	2.531

Ratio Values
CM-8101
Penobscot Bay and Vicinity, Maine

1:30,000 Color Bridging Ratio Value

82Z(C) 5737 thru 5742	3.008
82Z(C) 5747 thru 5752	3.009
82Z(C) 5755 thru 5761	3.000
82Z(C) 5790 thru 5796	3.007
82Z(C) 5829 thru 5833	2.900
82B(C) 7972 thru 7976	2.935

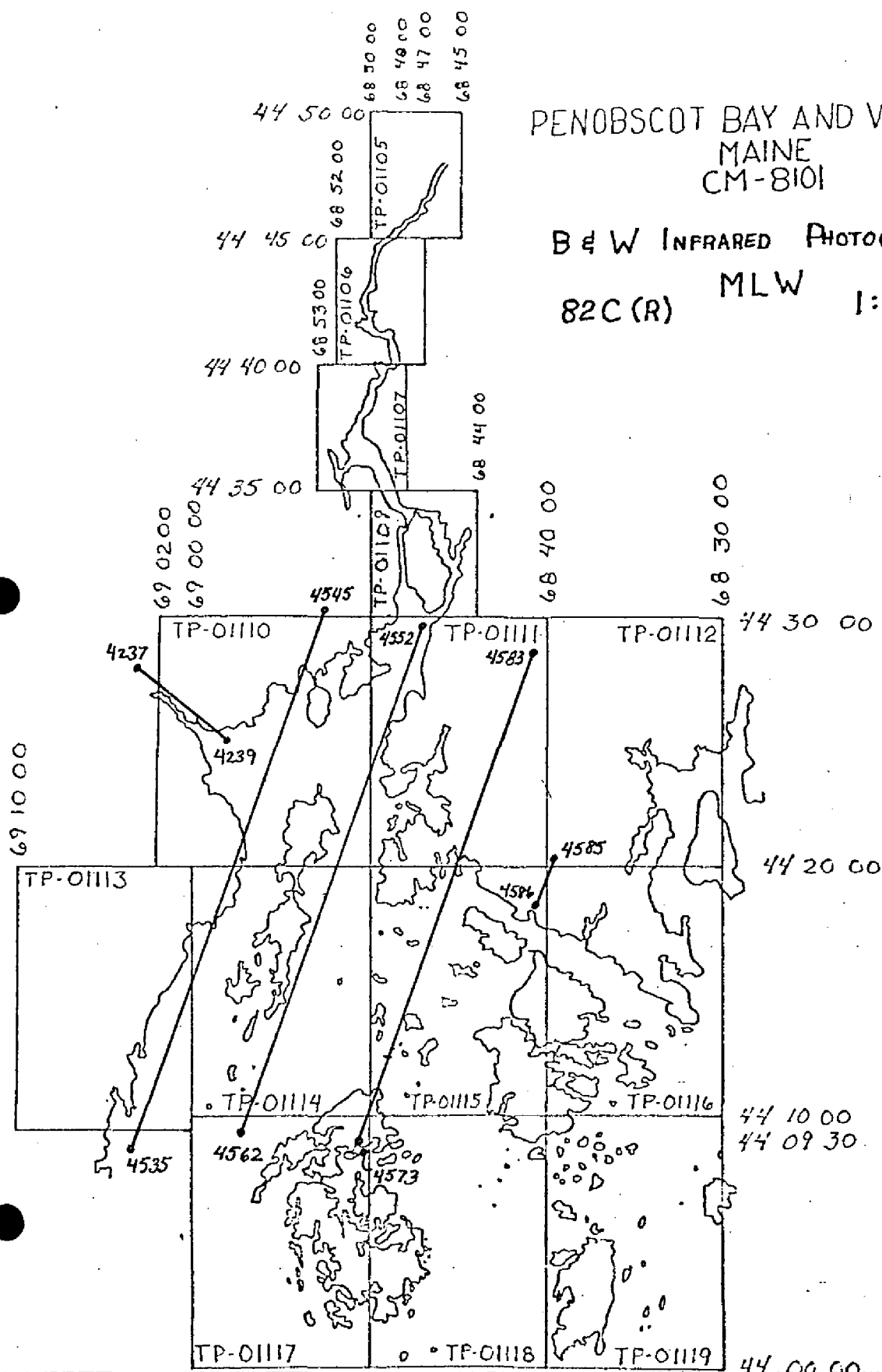
1:30,000 Black-and-White Infrared

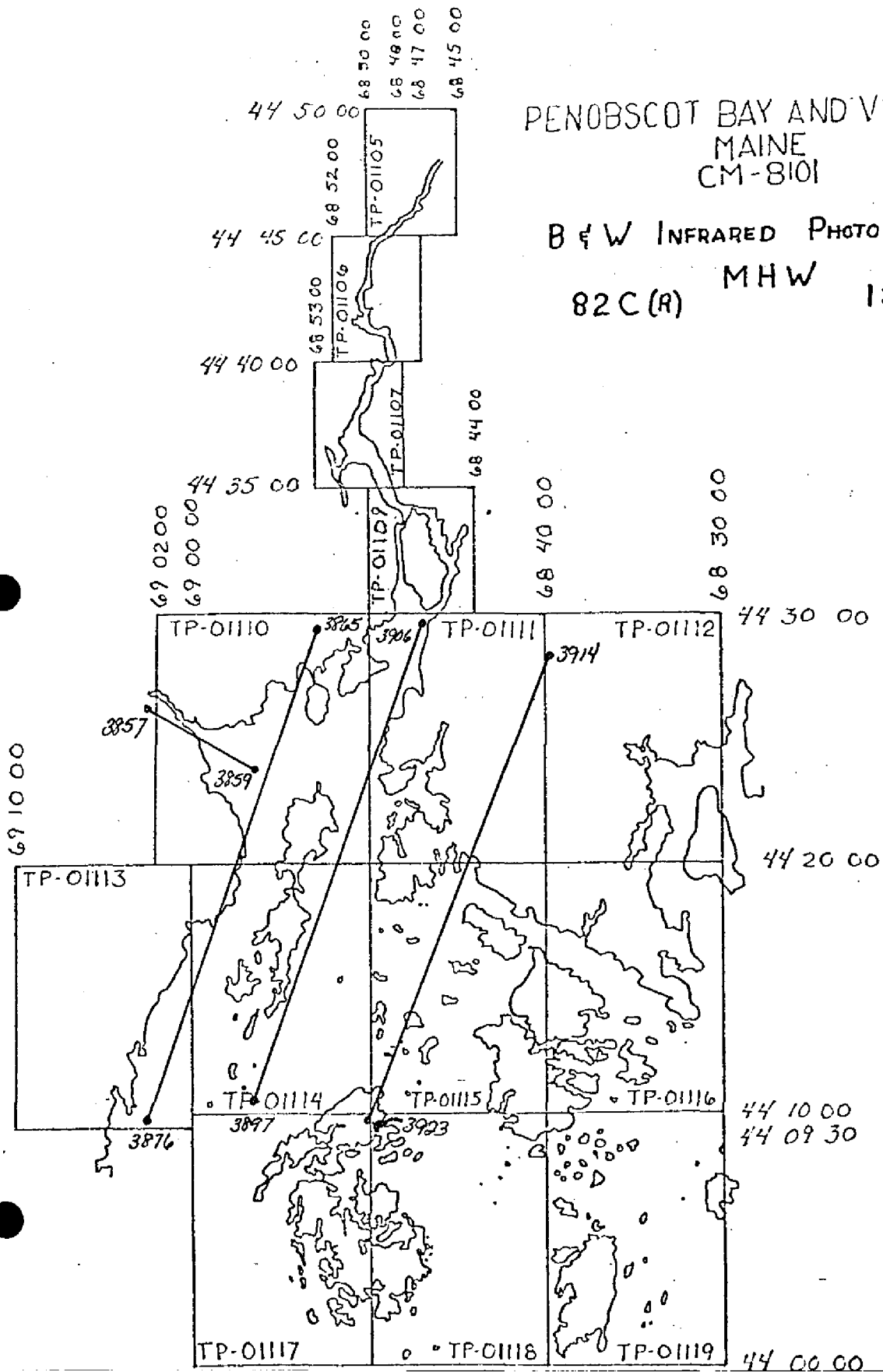
82C(R) 4070 thru 4076	3.065
82C(R) 4079 thru 4083	3.033
82C(R) 4088 thru 4092	3.053
82C(R) 4096 thru 4100	3.050
82C(R) 4121 thru 4128	3.064
82C(R) 4132 thru 4137	3.009
82C(R) 4142 thru 4148	3.050
82C(R) 4151 thru 4157	3.022
82C(R) 4160 thru 4164	3.039
82C(R) 4496 thru 4504	3.102

PENOBSCOT BAY AND VICINITY
MAINE
CM-8101

B & W INFRARED PHOTOGRAPHY

82C(R) MLW 1:50000

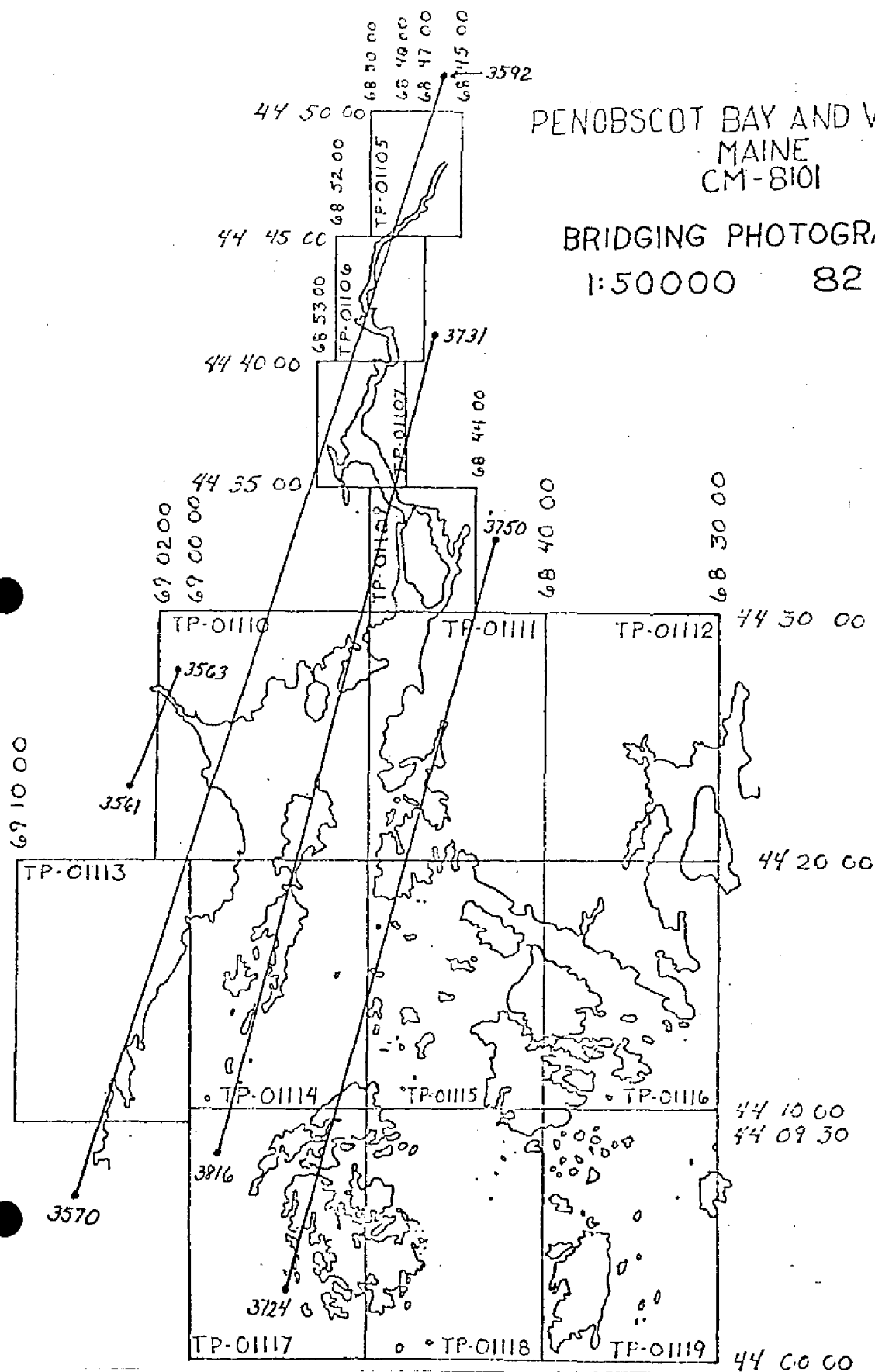


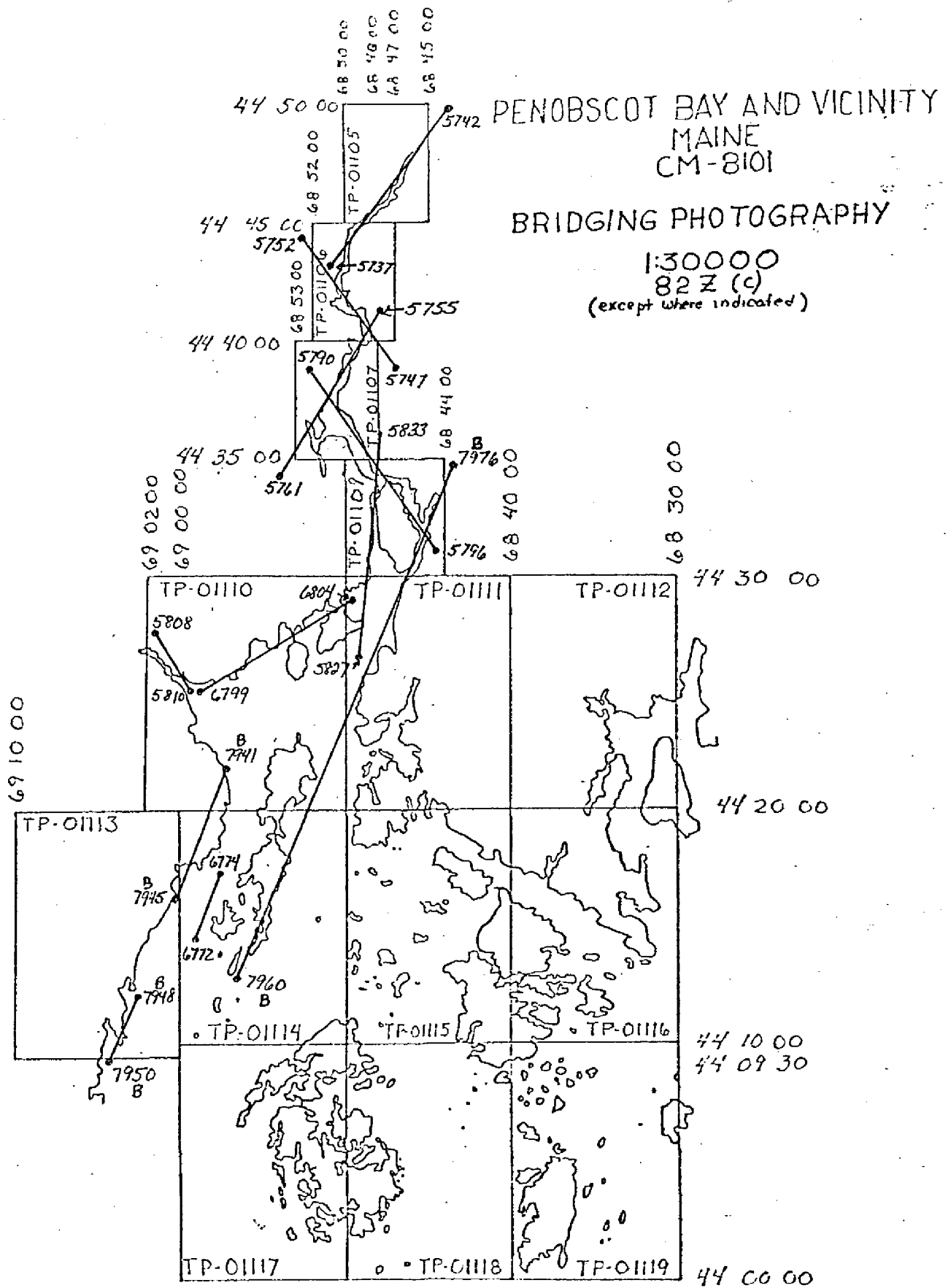


PENOBSCOT BAY AND VICINITY
 MAINE
 CM-8101

B & W INFRARED PHOTOGRAPHY

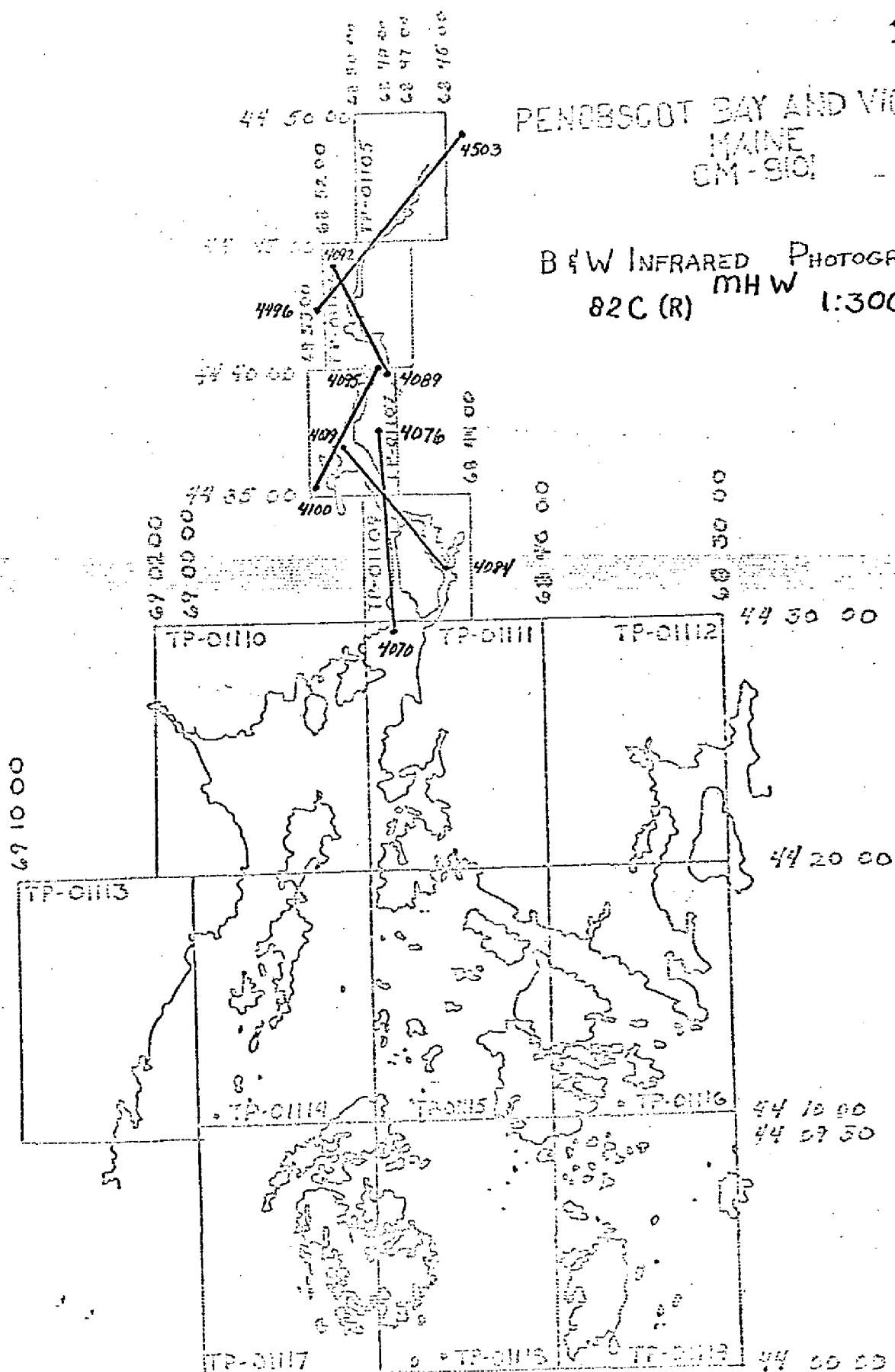
82C(R) MHW 1:50000





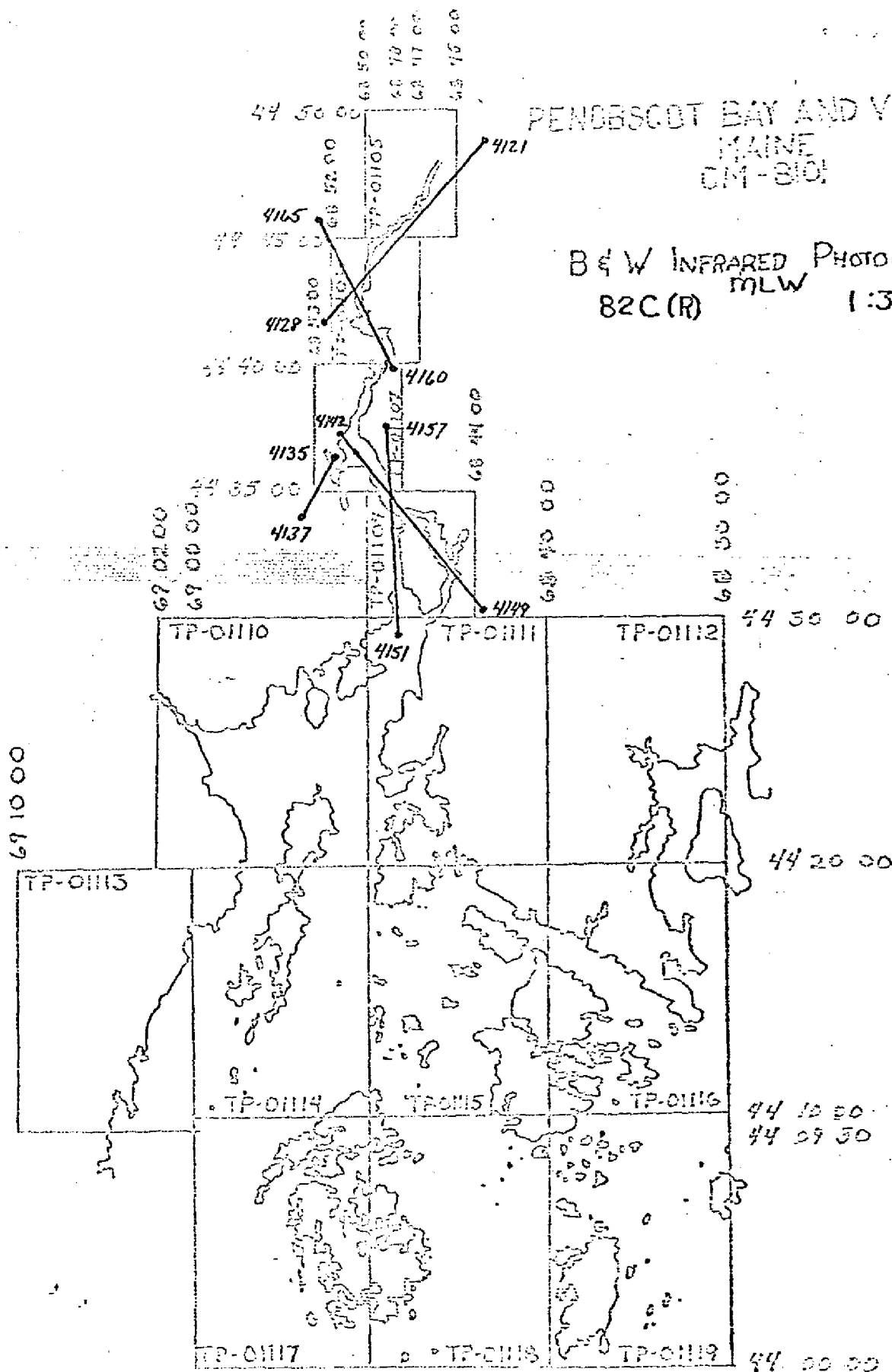
PENOBSCOT BAY AND VICINITY
MAINE
CM-9101

B & W INFRARED PHOTOGRAPHY
82C (R) MHW 1:30000



PENOBSCOT BAY AND VICINITY MAINE CM-8101

B & W INFRARED PHOTOGRAPHY
 82C(R) MLW 1:30000



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		N.A. 1927		ORIGINATING ACTIVITY		REMARKS
					STATE	ZONE	COORDINATES IN FEET	φ LATITUDE λ LONGITUDE	Rockville, MD.		
TP-01105	CM-8101	Bangor, St Marys Catholic Church, Spire 1958	440684 1012	17	STATE	ZONE	COORDINATES IN FEET	φ LATITUDE λ LONGITUDE	Rockville, MD.		
		Bangor, Unitarian Church Spire 1864	440684 1015	19	x=	y=	x= 432077.98 y= 353917.13	φ 44 48 14.194 λ 68 45 42.105			
					x=	y=	x= 428928.57 y= 352032.41	φ 44 47 55.48 λ 68 46 25.70			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
					x=	y=	x= φ y= λ	φ λ			
						</					

Compilation Report

TP-01105

31. Delineation

All detail, except for the MLW line was delineated using the Wild B-8 stereoplotter.

The MLW line was delineated graphically using tide-coordinated infrared photographs.

Initial compilation of the MHW line was done on the Wild B-8 stereoplotter and then referenced to MHW tide-coordinated infrared photographs for final delineation. The infrared photographs were controlled by detail compiled on the Wild B-8 stereoplotter.

32. Horizontal Control

See Photogrammetric Plot Report for horizontal control. Vertical control was taken from USGS quadrangles.

33. Supplemental Data - None34. Contours and Drainage

Drainage was compiled using the Wild B-8 stereoplotter. Contours are not applicable to this map.

35. Shoreline and Alongshore Details

The shoreline was classified and alongshore detail identified by office interpretation of the photographs.

The ledge, form line, and low water symbols labeled "rocky" are alongshore feature areas covered with scattered rock with the predominating rock shown by the rock symbol.

36. Offshore Details

In compilation sixteen objects were located offshore which appear to be abandoned cribs with a substantial amount of vegetation growing on them. They have been delineated as islands. Rocks and cribs shown as ruins on the manuscript were also located in compilation.

37. Landmarks and Aids

Four landmarks were identified by aerotriangulation, and two landmarks were identified by the compilation unit. No aids fell on this map.

2

38. Controls for Future Surveys - None

39. Junctions

Refer to NOAA Form 76-36B.

40 thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with USGS quadrangle:

Bangor, Maine, scale 1:24,000, dated 1978

47. Comparison with Existing Charts

Comparison was made with NOS Chart 13309, 22nd Edition, February 20, 1982, scale 1:40,000.

Submitted by,



C Heazel

Approved and Forwarded:


For: Chief, Coastal Mapping Unit

REVIEW REPORT
TP-01105
SHORELINE SURVEY

61. GENERAL STATEMENT

A final review was performed for this shoreline map. No major discrepancies were encountered. Refer to summary bound with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

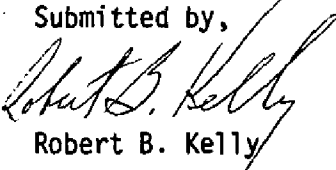
65. COMPARISON WITH NAUTICAL CHARTS

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

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,


Robert B. Kelly

Approved:

Chief, Photogrammetric Section
Rockville, Maryland

Chief, Photogrammetry Branch

May 2, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8101 (Penobscot Bay, Maine)

TP-01105

Bangor

Brewer

East Hampden

Hardy Hill (locality)

Kenduskeag Stream

Maine Central (RR)

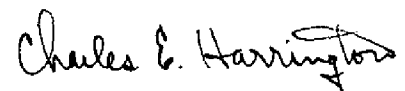
Penobscot River

Sedgeunkedunk Stream

Seven Pine Point

South Brewer

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	Charles Heazel
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	
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 L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 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 **PHOTOGAMMETRIC 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.	

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 Review.

[illegible]