

TP-01109

TP-01109

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
This Map Edition will not be Field Edited	
Map No. TP-01109	Edition No. 1
Job No. CM-8101	
Map Classification III (Final)	
Type of Survey Shoreline	
<h3 style="text-align: center;">LOCALITY</h3>	
State Maine	
General Locality Verona Island	
Locality Penobscot River and Eastern Channel	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19 82 TO 19 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
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>01109</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>XX 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 Feb. 2, 1983 Office (Part I) April 19, 1983		Field March 24, 1982	
II. DATUMS			
1. HORIZONTAL:		OTHER (Specify)	
<input checked="" type="checkbox"/> 1927 NORTH AMERICAN			
2. VERTICAL:		OTHER (Specify)	
<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			
3. MAP PROJECTION		4. GRID(S)	
Traverse Mercator		STATE <u>Maine</u> ZONE <u>East</u>	
5. SCALE 1:10,000		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		BY <u>S. Solbeck</u>	<u>April 1983</u>
LANDMARKS AND AIDS BY		"	"
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u>		PLOTTED BY CHECKED BY <u>J. Schad</u>	"
3. STEREOSCOPIC INSTRUMENT COMPILATION		PLANIMETRY BY CHECKED BY <u>P. Dempsey</u>	"
INSTRUMENT: <u>Wild B-8</u>		CONTOURS BY <u>N/A</u>	<u>May 1983</u>
SCALE: <u>1:10,000</u>		CHECKED BY <u>N/A</u>	
4. MANUSCRIPT DELINEATION		PLANIMETRY BY <u>J. Schad</u>	<u>May 1983</u>
METHOD: <u>Smooth Drafted</u>		CHECKED BY <u>P. Dempsey</u>	<u>June 1983</u>
SCALE: <u>1:10,000</u>		CONTOURS BY <u>N/A</u>	
HYDRO SUPPORT DATA BY <u>N/A</u>		CHECKED BY <u>N/A</u>	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY <u>N/A</u>	
6. APPLICATION OF FIELD EDIT DATA		BY <u>N/A</u>	
CHECKED BY <u>N/A</u>			
7. COMPILATION SECTION REVIEW		BY <u>P. Dempsey</u>	<u>June 1983</u>
8. FINAL REVIEW		BY <u>R. Kelly</u>	<u>Jan. 1984</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY <u>N/A</u>	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY <u>R. Kelly</u>	<u>Jan. 1984</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY <u>E. DAUGHERTY</u>	<u>Nov 1984</u>

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

COMPILATION SOURCES

TP-01109

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-10-Z Focal Length 153.15

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

- ☒ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☒ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
(P) PANCHROMATIC
(I) INFRARED

ZONE

Eastern

☐ STANDARD

MERIDIAN

60th

☒ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
82B(C) 7974-76	8/28/82	12:25	1:30,000	
82Z(C) 5828-32	9/15/82	11:10	1:30,000	7.7ft. above MLW
82Z(C) 5793-94	9/ 5/82	10:09	1:30,000	5.3ft. above MLW
82C R 4145-48	7/14/82	10:51	1:30,000	0.2ft. above MLW
82C R 4151-54	7/14/82	11:00	1:30,000	0.2ft. above MLW

REMARKS

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. Black-and-white infrared photographs were used to assist in the interpretation of the MHW line.

3. **SOURCE OF MEAN LOW-WATER LINE:** ~~XXXXXXXXXXXXXXXXXXXX~~ The mean low water line was compiled graphically from the above listed black-and-white 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
TP-01107	None	TP-01111	None

REMARKS

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

TP-01109

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	5/82
2. HORIZONTAL CONTROL	R. W. Dunford	5/24/82
	ESTABLISHED BY	5/24/82
	PRE-MARKED OR IDENTIFIED BY	5/24/82
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	N/A
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		2. VERTICAL CONTROL IDENTIFIED	
Premarked (Paneled)		N/A	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82C(C)3827 82C(C)3850	- SPARKS HOUSE CHIMNEY Sub Sta		

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-01109

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class III	May 1983	Class III Map		June 1983
Final Review Class III	May 1983	Final Class III Map	May 1984	May 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
2		May 18, 1984	Landmarks and aids 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 **NOTE:** All indicated data 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: _____

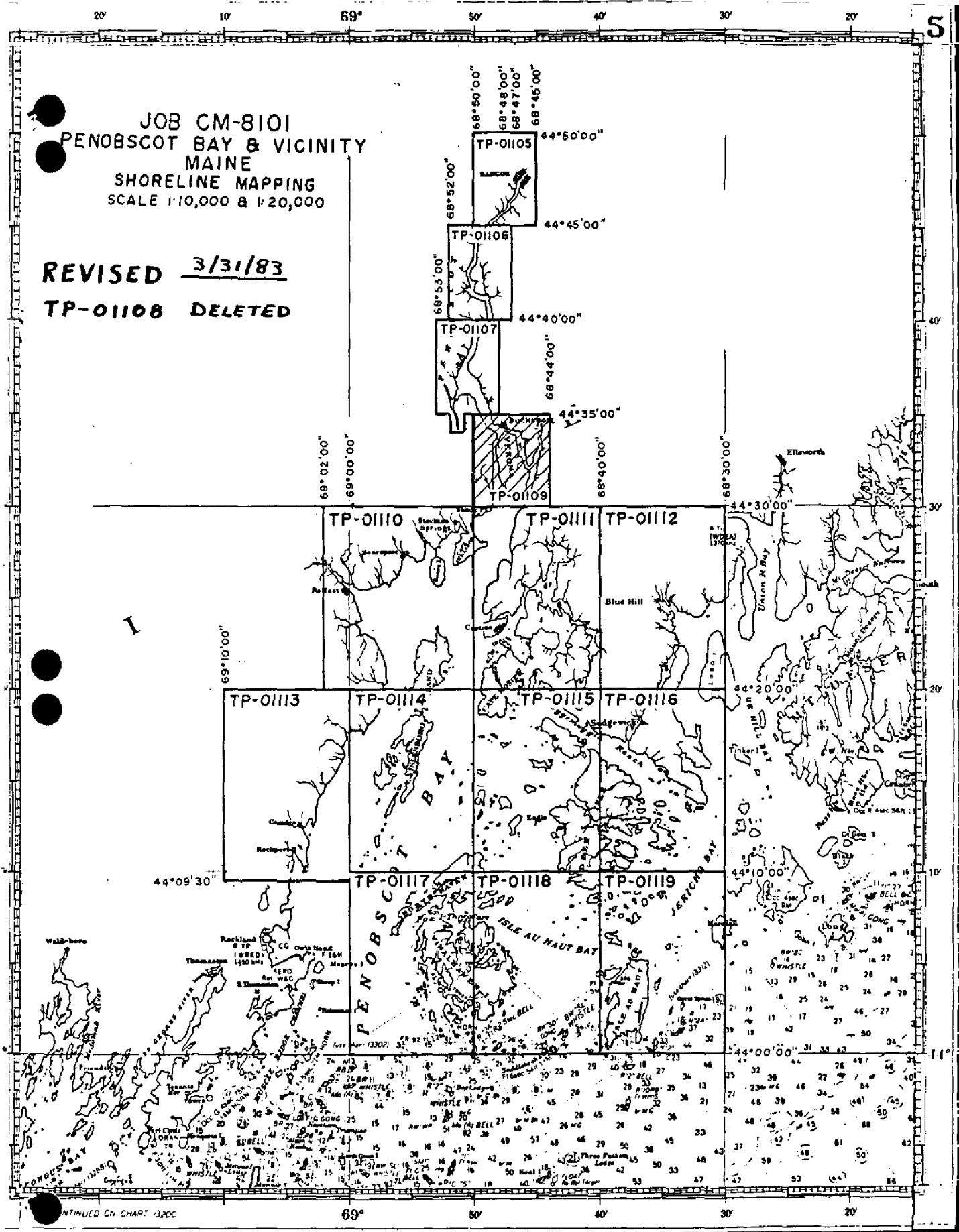
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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

TP-01108 DELETED



SUMMARY
CM-8101 PART I
TP-01109

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-01109

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

<u>STATION NAME</u>		<u>VALUES IN FEET</u>	
		<u>X</u>	<u>Y</u>
Dyer (1861) Sub Point	729101 \triangle	0	-.02
West Stockton White Church Spire	825100	+2.84	-1.14
Sub Point	825101 \triangle	0	0
Sparks House Chimney Sub Point	827101 \triangle	-.01	-.01
Rockland Breakwater Lighthouse	570100	+2.16	+.67
Sub Point	570101 \triangle	-.03	-.06
Mount Battle Memorial Observatory			
Sub Point	573101 \triangle	0	0
Temperance	576100 \triangle	0	0
Kittredge Rm 1	592101 \triangle	0	0
Heron Neck Lighthouse Sub Point	724101 \triangle	0	0
Castine Orthodox Church Spire	742100	+1.43	+1.69
Sub Point	742101 \triangle	0	0
Blue Hill Lookout Tower	702100	-.47	-.26
Sub Point	702101 \triangle	0	0
Stubbs Sub Point	587101 \triangle	-.09	+.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	+.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

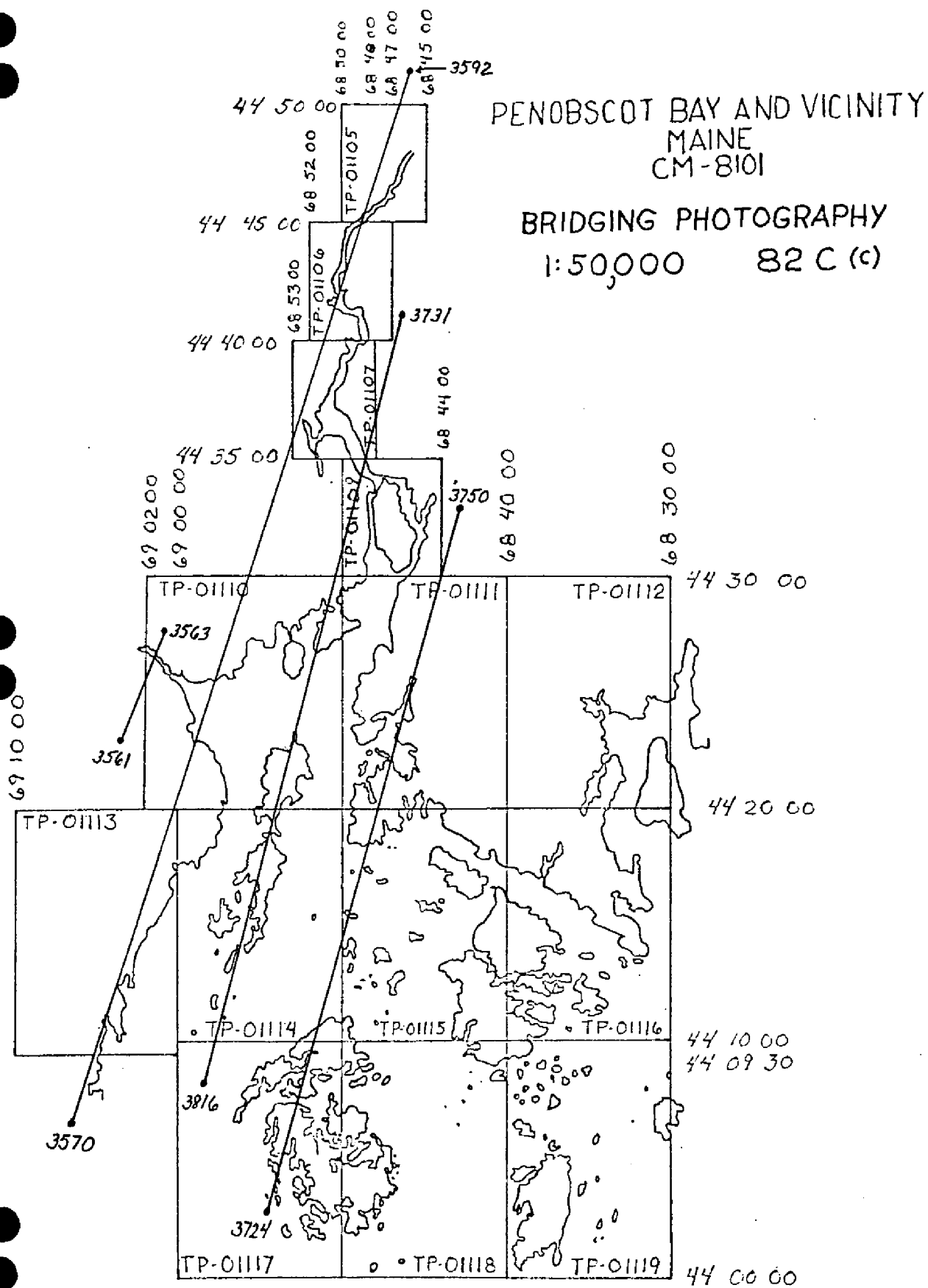
CM-8101

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

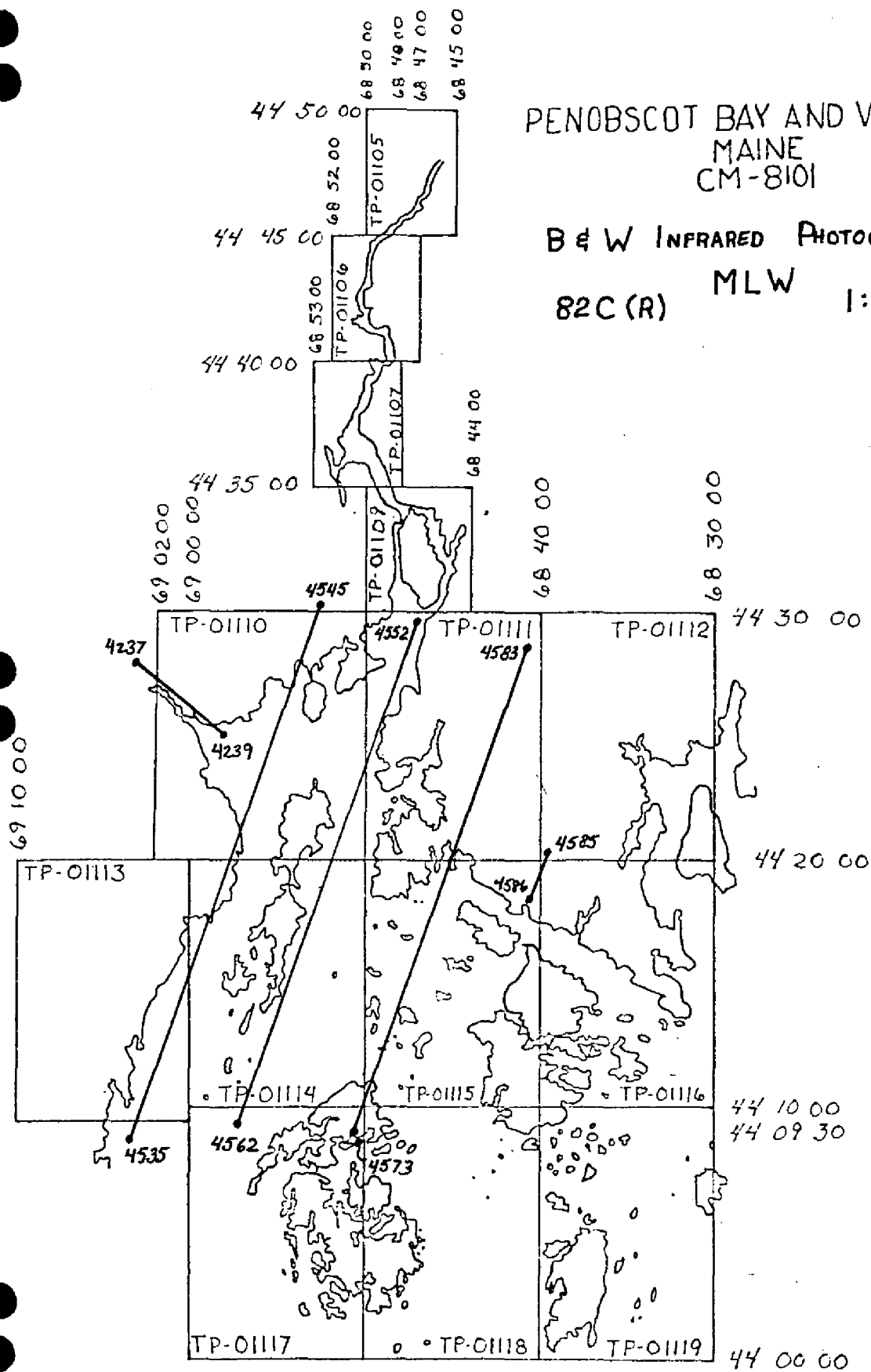
1:30,000 Black-and-White Infrared

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



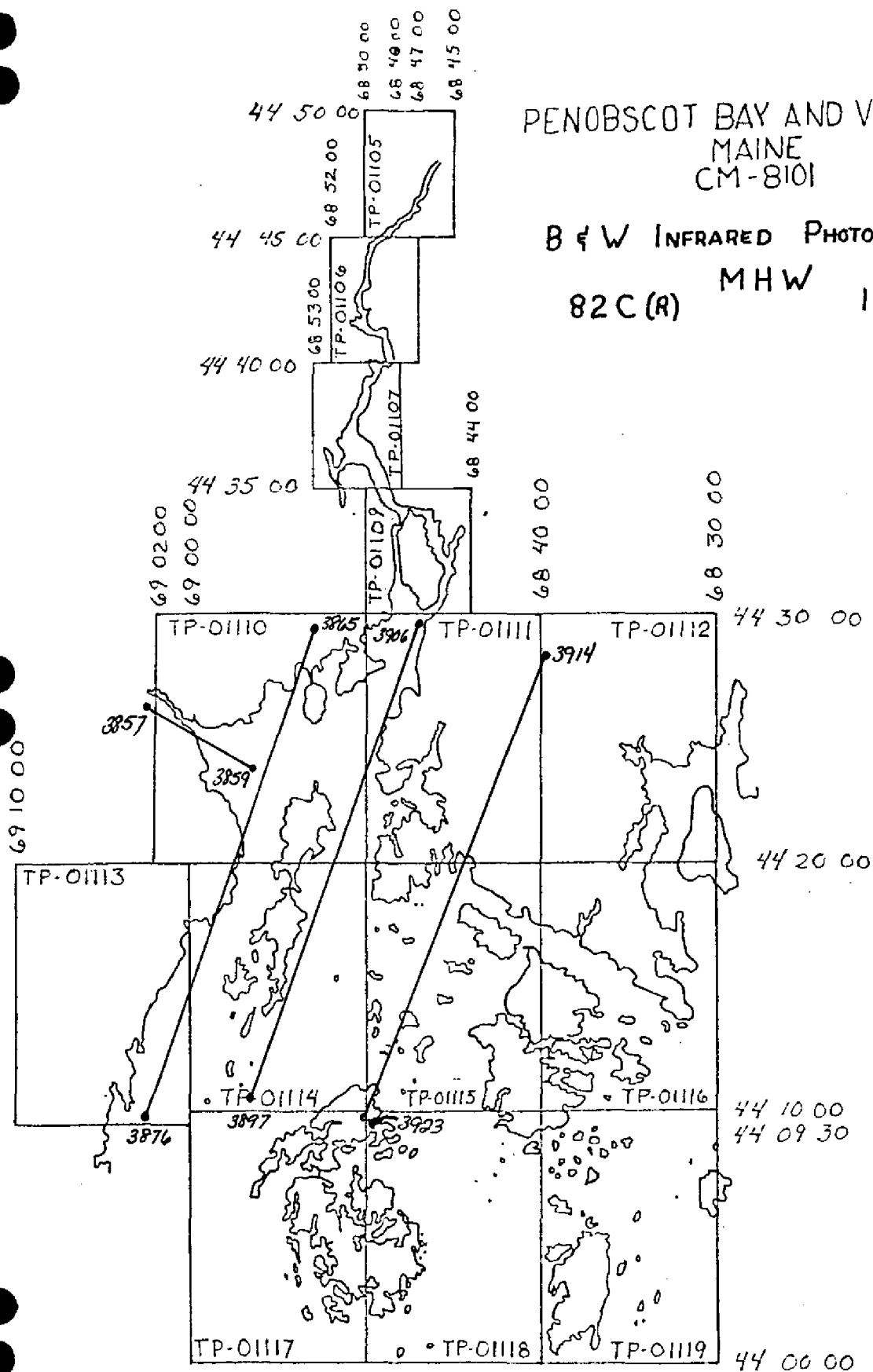
PENOBSCOT BAY AND VICINITY MAINE CM-8101

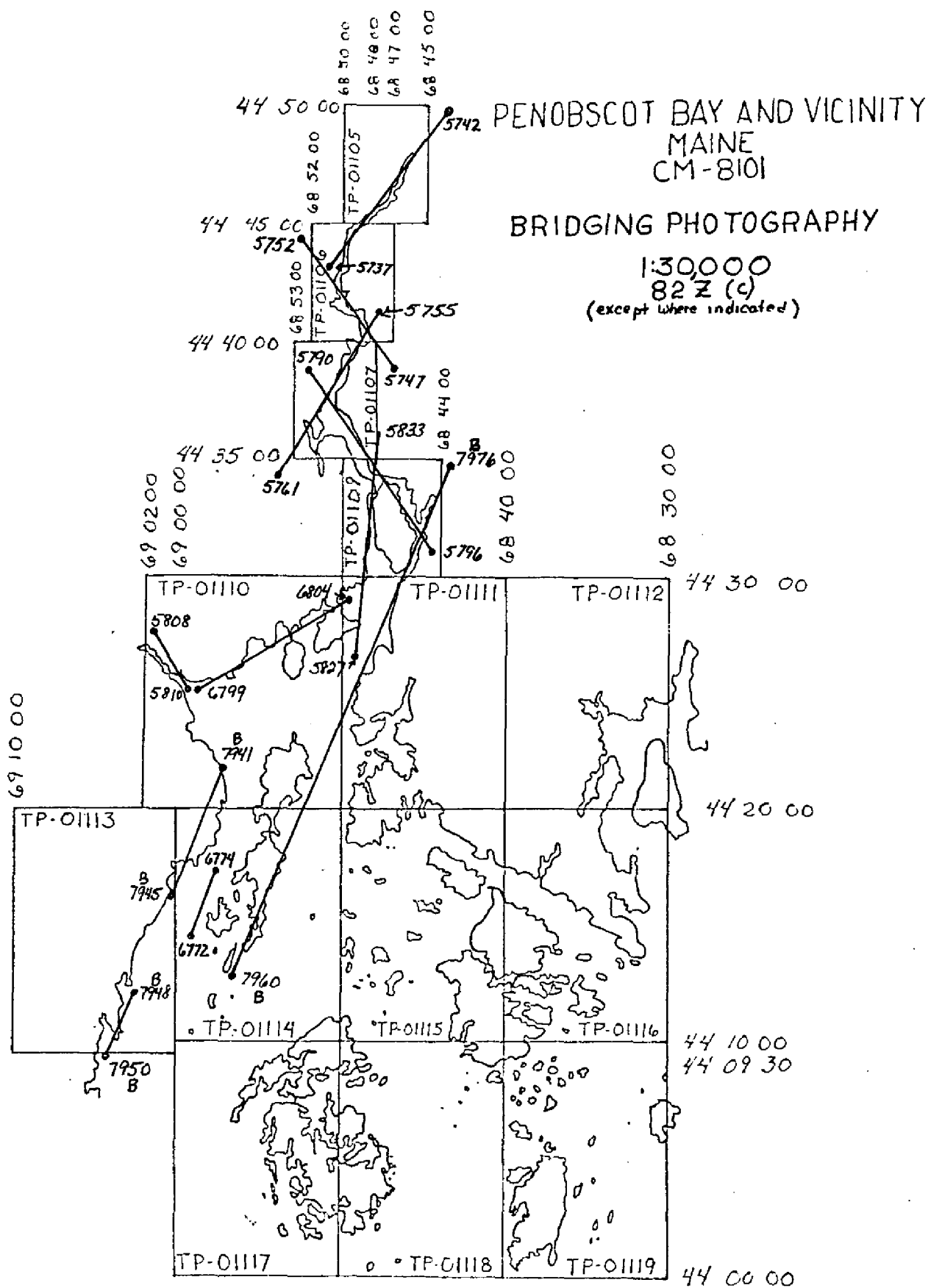
B & W INFRARED PHOTOGRAPHY
82C(R) MLW 1:50,000



PENOBSCOT BAY AND VICINITY MAINE CM-8101

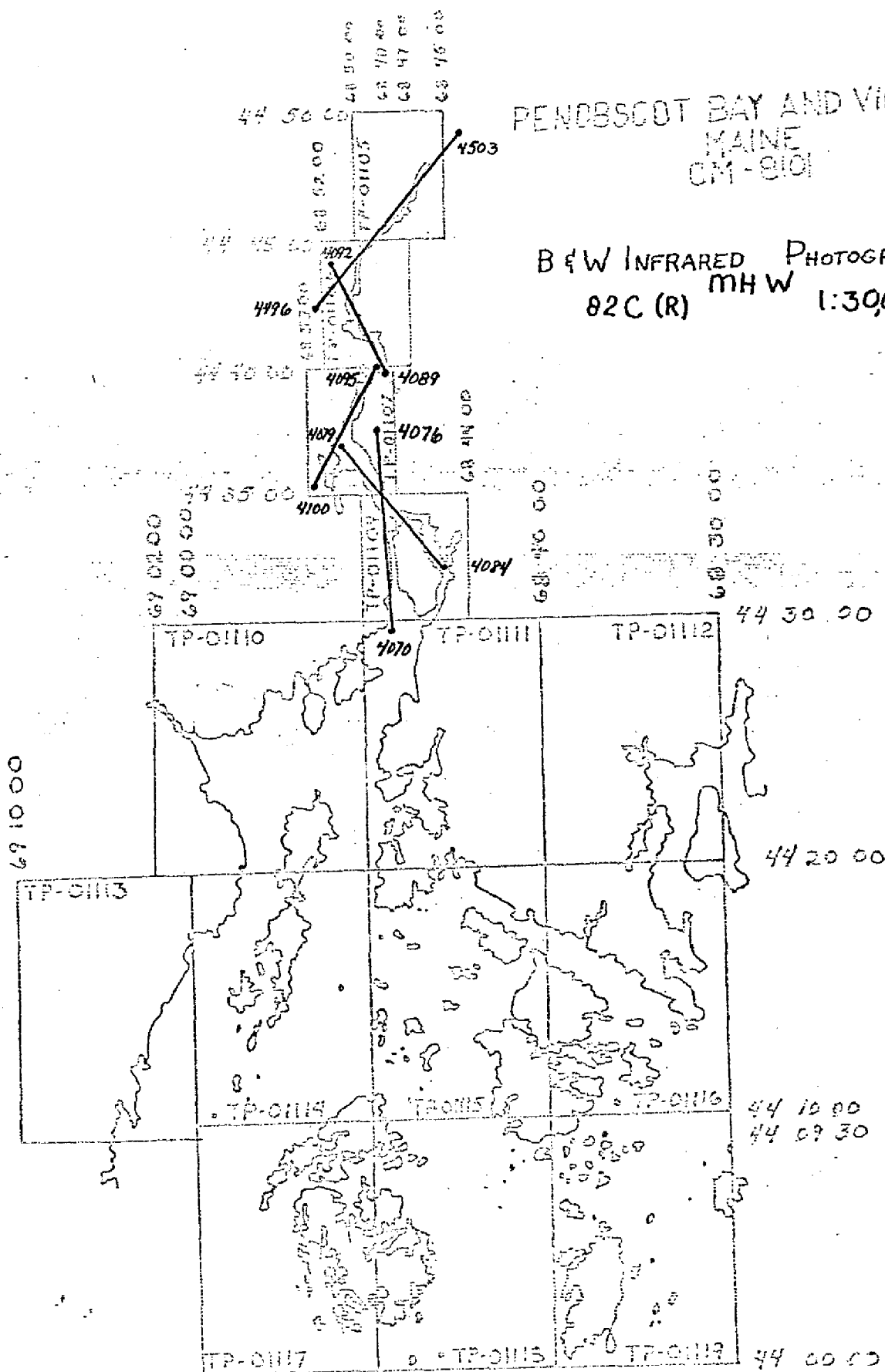
B & W INFRARED PHOTOGRAPHY
82C(R) MHW 1:50000

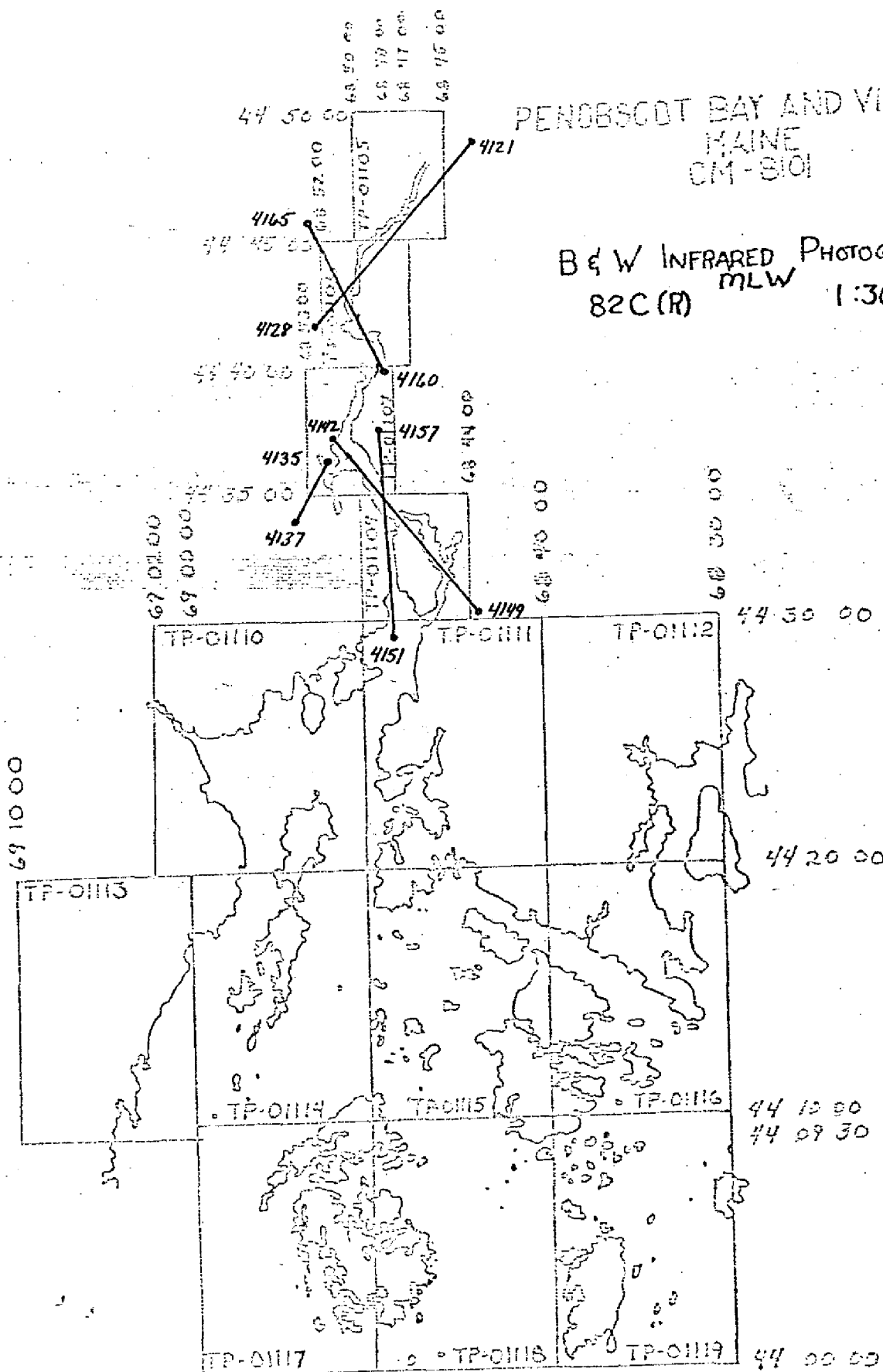




PENOBSCOT BAY AND VICINITY MAINE CM-9101

B & W INFRARED PHOTOGRAPHY
82C (R) MHW 1:30,000





DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM NA 1927		ORIGINATING ACTIVITY		
					STATE	ZONE	COORDINATES IN FEET	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
TP-01109	CM-8101	Odens (Odom) ledge Beacon 1863	Quad 440684 Sta 1058	44	Maine	East	$x=$ 421 412.23	ϕ 44 30 55.569	
							$y=$ 248 779.39	λ 68 48 04.651	
		Sparks House Chimney 1863	440684 1077	827100			$x=$ 432 303.80	ϕ 44 32 14.83	
							$y=$ 256 768.04	λ 68 45 34.68	
		Waldo-Hancock Bridge West Tower 1934	440684 1090	828403 40			$x=$ 420 915.16	ϕ 44 33 39.02	
							$y=$ 265 332.49	λ 68 48 12.36	
							$x=$	ϕ	
							$y=$	λ	
							$x=$	ϕ	
							$y=$	λ	
							$x=$	ϕ	
							$y=$	λ	
							$x=$	ϕ	
							$y=$	λ	
							$x=$	ϕ	
							$y=$	λ	
							$x=$	ϕ	
							$y=$	λ	
							$x=$	ϕ	
							$y=$	λ	
COMPUTED BY							COMPUTATION CHECKED BY		DATE
LISTED BY	J. Schad						LISTING CHECKED BY	P. Dempsey	DATE
HAND PLOTTING BY							HAND PLOTTING CHECKED BY		DATE

Compilation Report

TP-01109

31. Delineation

The shoreline, offshore, and interior planimetric features on this map were compiled using the Wild B-8 stereoplotter from 1:30,000 scale color photographs. The photographs were controlled by map points determined by Aerotriangulation Section.

The mean low water was compiled graphically from ratio black-and-white infrared photographs.

The mean high water was taken from the compilation photos and referenced to the mean high water, ratio, black-and-white infrared photographs for final delineation. The infrared photos were controlled using compilation detail.

32. Control

Refer to the Aerotriangulation Plot Report for the adequacy of the horizontal control. The vertical control used in leveling the Wild B-8 stereoplotter was taken from USGS quadrangle maps.

33. Supplemental Data - None34. Contour and Drainage

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

35. Shoreline and Alongshore Detail

The shoreline and alongshore detail was compiled by office interpretation of the photographs. The ledge, form lines, and low water symbols labeled "rocky" are alongshore features; areas covered with scattered rock with the predominating rocks shown with the rock symbol.

36. Offshore Details

Odem Ledge is the only offshore feature on this manuscript.

37. Landmark and Aids

Five landmarks were located. Three landmarks were identified in Aerotriangulation Section and verified during compilation and two were

located during compilation. One aid to navigation was located in Aerotriangulation Section and verified during compilation.

38. Control for Future Surveys - None

39. Junctions

TP-01109 junctions to the north with TP-01107 and to the south with TP-0111.

40. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with the following USGS quadrangle maps:

Orland, Maine, 1:62,500 scale, 1955

Bucksport, Maine, 1:62,500 scale, 1955

47. Comparison Made with Existing Charts

Comparison was made with the following Nautical Chart:

13309, 22nd Edition, February 20, 1982, 1:40,000 scale

Submitted by,

James Schad

James Schad

Approved and Forwarded:

Patrick J. Dempsey

For: Frank Wright
Chief, Coastal Mapping Section

REVIEW REPORT
TP-01109
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

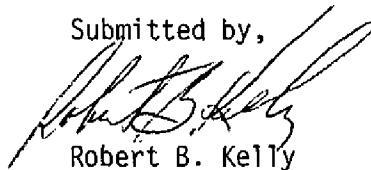
65. COMPARISON WITH NAUTICAL CHARTS

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

JUN 16 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8101 (Penobscot Bay & Vicinity, Maine)

TP-01109

Bangor and Aroostook (RR)

Bucksport

Eastern Channel

Fort Knox

Gondola Cove

Gross Point

Indian Point

Leaches Point

Main Central (RR)

Mill Cove

Odom Ledge

Orland

Orland River

Penobscot River

Porcupine Island

Prospect Ferry (locale)

Sandy Point (locale)

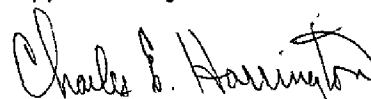
South Orland

Verona

Verona Island

Verona Park

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE 1. 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 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.	

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (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 **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.	

