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.

TP-01308 1

Job No.
CM-8401

Map Classification
CLASS III (FINAL)

Type of Survey
SHORELINE

LOCALITY

State
MAINE

General Locality
MACHIAS BAY AND VICINITY

Locality
THE BROTHERS

1985 TO 19

REGISTERED IN ARCHIVES

DATE
### DESCRIPTIVE REPORT - DATA RECORD

**PHOTOMGRAMMETRIC OFFICE**
Coastal Mapping Unit, Atlantic Marine Center, Norfolk, Virginia

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

---

#### I. INSTRUCTIONS DATED

<table>
<thead>
<tr>
<th>1. OFFICE</th>
<th>2. FIELD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerotriangulation</td>
<td>January 14, 1986</td>
</tr>
<tr>
<td>Compilation</td>
<td>June 6, 1986</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### II. DATUMS

1. **HORIZONTAL:**
   - 1927 NORTH AMERICAN

2. **VERTICAL:**
   - 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

#### III. HISTORY OF OFFICE OPERATIONS

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>LANDMARKS AND AIDS</th>
<th>METHOD</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AEROTRIANGULATION</td>
<td></td>
<td><strong>Analytic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. CONTROL AND BRIDGE POINTS</td>
<td>PLOTTED</td>
<td><strong>Xynerics 1201</strong></td>
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<tr>
<td>3. STEREOSCOPIC INSTRUMENT</td>
<td>PLANIMETRY</td>
<td></td>
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<tr>
<td>COMPOSITION</td>
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<tr>
<td>INSTRUMENT: Wild B-8</td>
<td>CONTOURS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCALE: 1:20,000</td>
<td>CHECKED</td>
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</tr>
<tr>
<td>4. MANUSCRIPT DELINEATION</td>
<td>PLANIMETRY</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>CHECKED</td>
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<tr>
<td>METHOD: Smooth drafted</td>
<td>CONTOURS</td>
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<tr>
<td></td>
<td>CHECKED</td>
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<td></td>
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</tr>
<tr>
<td>SCALE: 1:20,000</td>
<td>HYDRO SUPPORT DATA</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>CHECKED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. OFFICE INSPECTION PRIOR TO REVISIONS</td>
<td>Final Review</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>6. APPLICATION OF FIELD EDIT DATA</td>
<td></td>
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<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td>Class III</td>
<td></td>
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<tr>
<td>8. FINAL REVIEW</td>
<td>Class III</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**U.S. G.P.O. 1972-769382/582 REG. No**
1. **Compilation Photography**

**Camera(s):**
- Wild RC-8(E) (*E* = 152.71 mm)

**Tide Stage Reference:**
- Predicted Tides **
- Reference Station Records **
- Tide Coordinated **

**Types of Photography Legend:**
- (C) Color
- (P) Panchromatic
- (I) Infrared

<table>
<thead>
<tr>
<th>Number and Type</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>85E(C) 3241-3244</strong></td>
<td>10-08-85</td>
<td>10:37</td>
<td>1:50,000</td>
<td>4.1 feet above MLW</td>
</tr>
<tr>
<td><strong>85E(I) 2640-2642</strong></td>
<td>9-22-85</td>
<td>11:12</td>
<td>1:50,000</td>
<td>1.3 feet above MLW</td>
</tr>
<tr>
<td><strong>85E(I) 2552-2553</strong></td>
<td>9-18-85</td>
<td>11:56</td>
<td>1:50,000</td>
<td>0.8 feet below MLW</td>
</tr>
</tbody>
</table>

Mean Tide Range=38.4 ft.

**Remarks:**
- Compilation/bridging photographs based on predicted tide data.
- Tide coordinated MHW and MLW photographs based on actual tide data.
- All photographs are referenced to the tide gage at Eastport, Maine.

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 MHW infrared photographs were used to assist in the interpretation of the Mean High Water Line.

3. **Source of Mean Low-Water Line:**

The Mean Low Water Line was compiled graphically from the black-and-white tide coordinated MLW infrared ratio photographs.

4. **Contemporary Hydrographic Surveys**

(List only those surveys that are sources for photogrammetric survey information.)

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
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</table>

5. **Final Junctions**

<table>
<thead>
<tr>
<th>North</th>
<th>East</th>
<th>South</th>
<th>West</th>
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</thead>
<tbody>
<tr>
<td>TP-01304</td>
<td>No Survey</td>
<td>No Survey</td>
<td>TP-01307</td>
</tr>
</tbody>
</table>

**Remarks**

NOAA FORM 76-36B (3-72)

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

TP-01308

U.S. GOVERNMENT PRINTING OFFICE: 1977-765-092
### HISTORY OF FIELD OPERATIONS

#### FIELD INSPECTION OPERATION

- **Operation:** Field Inspection Operation
- **Mark:** Pre-marking

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief of Field Party</td>
<td>J. Shea</td>
<td>Nov 1985</td>
</tr>
</tbody>
</table>

#### FIELD EDIT OPERATION

- **Mark:** None

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Horizontal Control</td>
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<td>None</td>
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</table>

#### VERTICAL CONTROL

- **Pre-marked or Identified by:** None

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Vertical Control</td>
<td>None</td>
<td>None</td>
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</tbody>
</table>

#### LANDMARKS AND AIDS TO NAVIGATION

- **Recovered (Triangulation Stations) by:** None
- **Located (Field Methods) by:** None

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Landmarks and Aids to Navigation</td>
<td>None</td>
<td>None</td>
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</tbody>
</table>

#### SOURCE DATA

#### Horizontal Control Identified

- **Photo Number:** None

<table>
<thead>
<tr>
<th>Photo Number</th>
<th>Station Name</th>
<th>Photo Number</th>
<th>Station Designation</th>
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</thead>
</table>

#### Vertical Control Identified

- **Photo Number:** None

<table>
<thead>
<tr>
<th>Photo Number</th>
<th>Station Name</th>
<th>Photo Number</th>
<th>Station Designation</th>
</tr>
</thead>
</table>

#### Photo Numbers (Classification of Details)

- **Photo Numbers:** None

#### Landmarks and Aids to Navigation Identified

- **Photo Number:** None

<table>
<thead>
<tr>
<th>Photo Number</th>
<th>Object Name</th>
<th>Photo Number</th>
<th>Object Name</th>
</tr>
</thead>
</table>

#### Geographic Names

- **Report:** None

#### Boundary and Limits

- **Report:** None

#### Supplemental Maps and Plans

- **None**

#### Other Field Records (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

- **Project Data**
  - 1 NOAA Form 77-53 (Tide Record Bk)
  - 2 NOAA Forms 76-77 (Level Bk)

- **Hor. Control Data (Bound Folder), Field Report**
# RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>Compilation Stages</th>
<th>Date</th>
<th>Remarks</th>
<th>Marine Charts</th>
<th>Hydro Support</th>
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<tbody>
<tr>
<td>Compilation complete</td>
<td>Jul 1986</td>
<td>Class III Manuscript</td>
<td>None</td>
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<tr>
<td>Final Review</td>
<td>Jul 1986</td>
<td>Final Class III Map</td>
<td>11-3-86</td>
<td>11-3-86</td>
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## II. LANDMARKS AND AIDS TO NAVIGATION

1. **REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH**

<table>
<thead>
<tr>
<th>Number</th>
<th>Chart Letter Number Assigned</th>
<th>Date Forwarded</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
<td>11-3-86</td>
<td>Charted Landmarks and Aids to Navigation Form</td>
</tr>
</tbody>
</table>

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 REPORTS; COMPUTER READOUTS.**

2. **CONTROL STATION IDENTIFICATION CARDS; FORM NOS 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

<table>
<thead>
<tr>
<th>Edition</th>
<th>Survey Number</th>
<th>Job Number</th>
<th>Type of Survey</th>
<th>Map Class</th>
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<tbody>
<tr>
<td>Second</td>
<td></td>
<td>(2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Fourth</td>
<td></td>
<td>(4)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** This section shall be completed each time a new map edition is registered.
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01308

This final Class III shoreline map is one of six 1:20,000 scale maps (TP-01303 thru TP-01308) that comprise project CM-8401, Machias Bay and Vicinity, Maine.

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

This map portrays numerous offshore islands at the main entrance leading to Machias Bay.

Field work prior to compilation consisted of the recovery, establishment and identification, by premarking methods, of horizontal control necessary for aerotriangulation. Also, field assistance was provided in obtaining the tide coordinated photographs and numerous (79) supplemental ground stations were premarked for control densification in support of hydrography. This activity was completed in November 1985. There was no field inspection performed.

Photo coverage for the project was adequately provided by 1:50,000 scale photographs taken with the Wild RC-8 (E) camera in September and October 1985. Color photographs were obtained for bridging and compilation. Tide coordinated black-and-white photographs, taken at mean high water and mean low water, were provided for graphic compilation and interpretation assistance. Supplemental 1:30,000 scale color photographs were obtained for identifying premarked control stations in support of hydrography.

Analytic aerotriangulation was adequately provided by the Washington Science Center in March 1986. Additional ground control was determined for the hydrographer by measuring 56 paneled photo stations. Bridging provided ratio values for enlarging the photographs to map scale and also photo located visible landmarks and navigational aids.

Compilation, based upon office interpretation of the 1:50,000 scale color photographs, was performed at the Coastal Mapping Unit, Atlantic Marine Center in July 1986. Compilation included the use of MHW and MLW tide coordinated infrared photographs. Refer to the Compilation Report for specific use of this photography.

Final review was performed at the Atlantic Marine Center in July 1986. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. A Notes to Hydrographer print and related support data were prepared to assist the hydrographer.

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

TP-01308

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (premarking) of the horizontal control necessary for aerotriangulation. Field activity also included the premarking of supplemental horizontal control in support of hydrography and the monitoring of the Eastport tide gage in obtaining tide coordinated infrared photography.
PROJECT REPORT CM-8401
MACHIAS BAY AND VICINITY, MAINE

SHORELINE MAPPING

This project was completed in compliance with Project Instructions dated 14 May 1985. Field work was accomplished during the period 9 September through 8 November 1985. Ten panels for 1:50,000 aerotriangulation photography were placed and located. Seventy-nine hydrographic control sites were panned for 1:30,000 photography. Each site was permanently marked and described so that future recovery by the hydrographer will be possible. The tide gage at Eastport, ME was used for I.R. photography. Levels were run to the tape gage before and after photography to verify its elevation.

Submitted by,

Jim D. Shea
26 November 1985
21. **Area Covered**

This report covers the Machias Bay, Maine area from Western Bay to Eastern Head. The project consists of six 1:20,000-scale sheets; TP-01303 through TP-01308.

22. **Method**

Three strips of 1:50,000-scale color photographs were bridged by analytic aerotriangulation methods and adjusted to ground as a block using the General Integrated Analytical Triangulation Program (GIANT). Pre-marked control stations were used as horizontal control.

The photographs were measured using the National Ocean Service Analytic Plotter (NOSAP) under control of the Integrated Digital Photogrammetric Facility Software (IDPF). Common points were transferred between strips to ensure adequate junctioning.

Ratio values were determined for the 1:50,000-scale color bridging photographs and the 1:50,000-scale MLW and MHW infrared photographs. A copy of these values and sketches of the photo coverage are attached to this report.

A magnetic tape containing positions to be plotted on a base manuscript has been prepared. These positions are in the Transverse Mercator State Plane Coordinate System, Maine, East Zone.

23. **Adequacy of Control**

The control was adequate and meets the National Ocean Service requirements. A listing of closures to control is attached.

24. **Supplemental Data**

USGS Topographic Quadrangles were used to obtain vertical control for bridging. NOS Nautical Charts were used to locate aids and landmarks.

25. **Photography**

The coverage, overlap, and quality of the photographs were adequate for the job.
26. **Additional Positions**

Aerotriangulated positions were determined for 56 paneled hydrographic control sites. A majority of the panels were measured on two adjacent photographs only. Aerotriangulated positions were also determined for five landmarks requested by the U.S. Coast Guard.

Submitted by,

Vic McNeel

Approved and Forwarded:

Don O. Norman
Chief, Aerotriangulation Unit
### STATION NAMES | POINT NO. | VALUES IN FEET
--- | --- | ---
1. Tibb 1985 | 217100 | -1.3 +3.4
2. Kel 1913, sub. station | 214101 | +0.6 -1.1
3. Merstin 1883 | 211100 | -0.4 -1.6
4. Ackley RM2 1882, 1960 | 209101 | -1.4 -1.5
5. Bog Creek RM1, 1863 | 205101 | +0.2 +0.5
6. Godfrey 1883 | 204100 | +0.4 +0.6
7. Curmple 1862, sub. station | 238101 | +0.4 -1.0
8. Foster Island 1882 | 243100 | +1.5 -0.3
9. Ryefield 1862 | 187100 | +0.6 0.0
10. Little 1985 (not held in adjustment) | 193100 | -1.8 -0.1
## RATIO VALUE

CM-8401

### 1:50,000 Bridging Photographs

<table>
<thead>
<tr>
<th>Description</th>
<th>Ratio Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>85 E(C) 3186-3194</td>
<td>2.50</td>
</tr>
<tr>
<td>85 E(C) 3202-3231 (odd only)</td>
<td>2.50</td>
</tr>
<tr>
<td>85 E(C) 3238-3249</td>
<td>2.50</td>
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</table>

### MLW 1:50,000 Black and White Infrared

<table>
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<th>Description</th>
<th>Ratio Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>85 E(R) 2606-2619</td>
<td>2.51</td>
</tr>
<tr>
<td>85 E(R) 2624-2632</td>
<td>2.51</td>
</tr>
<tr>
<td>85 E(R) 2635-2645</td>
<td>2.51</td>
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</table>

### MHW 1:50,000 Black and White Infrared

<table>
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<th>Description</th>
<th>Ratio Value</th>
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</thead>
<tbody>
<tr>
<td>85 E(R) 2548-2558</td>
<td>2.53</td>
</tr>
<tr>
<td>85 E(R) 2669-2680</td>
<td>2.52</td>
</tr>
<tr>
<td>85 E(R) 2687-2694</td>
<td>2.51</td>
</tr>
</tbody>
</table>
JOB CM-8401
MACHIAS BAY & VICINITY
MAINE
SHORELINE MAPPING
SCALE = 1:20,000

MLW
1:50,000 INFRARED
**DESCRIPTIVE REPORT CONTROL RECORD**

<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBBY ISLANDS LH OLD, 1862</td>
<td>Quad.440671 Sta 1087</td>
<td>73</td>
<td>x=95,034.76 y=269,889.2</td>
<td></td>
</tr>
</tbody>
</table>

Geodetic Datum: N.A. 1927

Unit, AMC, Norfolk, VA

Computed by: [Insert Name]
Date: [Insert Date]
Computation checked by: [Insert Name]
Date: [Insert Date]

Listed by: P. L. Evans, Jr.
Date: 6/4/86
Listing checked by: [Insert Name]
Date: 7/1/86

Hand plotting by: [Insert Name]
Date: [Insert Date]
Hand plotting checked by: [Insert Name]
Date: [Insert Date]

Supersedes NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.
31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation color photographs. Tide coordinated MHW infrared ratio photographs were used to assist in interpretation of the shoreline. Tide coordinated MLW infrared ratio photographs were used to graphically compile the approximate mean low water line. Control for graphic delineation was provided by the instrument compilation of coastal detail and common image points.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

32 - CONTROL

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated March 1986.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to this project. Drainage was compiled from office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled from office interpretation of the compilation/bridging color photographs and was complemented by the tide coordinated MHW infrared ratio photographs.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods using the 1:50,000 scale bridging/compilation color photographs as described in item #31.

The MLW infrared ratio photographs were used to graphically compile the approximate mean low water line as described in item #31.

37 - LANDMARKS AND AIDS

There were no charted landmarks and 2 charted aids within the mapping limits of this manuscript. Among these, 1 aid was either located or verified photogrammetrically.
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:
Cross Island, ME; dated 1949; photoinspected 1975; scale 1:24,000
Roque Bluffs, ME; dated 1948; photoinspected 1975; scale 1:24,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:
13326; 10th edition; scale 1:40,000; dated November 17, 1984
13325; 11th edition; scale 1:80,000; dated May 1, 1982.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by

P. L. Evans, Jr.
Cartographic Technician
30 June 1986

Approved

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

FINAL NAME SHEET

CM-8401 (Machias Bay, Maine)

TP-01308

Anguilla Island
Bar Island
Brothers Passage
Double Shot Island
Eastern Ledges
Englishman Bay
Foster Channel
Foster Island
Great Spruce Island
Green Island
Green Island Ledge
Gulf of Maine
Halifax Island
Lakeman Harbor
Lakeman Island
Libby Islands
Machias Bay
Marsh Island
Middle Black Rock
Pulpit Rock

---Roque Island---Roque Island

---Roque Island Harbor---Roque Island Harbor

Scabby Islands
Scabby Island Ledge
Shag Rock

---Shag Rock

The Brothers

Ram Island

Approved,

Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services
61 - GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in July, 1986. 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 USGS quadrangle:
Cross Island, ME; dated 1949; photoinspected 1975; scale 1:24,000
Roque Bluffs, ME; dated 1948; photoinspected 1975; scale 1:24,000.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was performed in the area common to this map.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:
13326, 10th edition, scale 1:40,000, dated November 17, 1984

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
Final Reviewer

Approved for forwarding
Billy H. Barnes,
Chief, Photogrammetric Section

Approved
Chief, Photogrammetric Production Sec. Chief, Photogrammetry Branch
CHARTED LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

PROJECT NUMBER: CM-8401

PROJECT NAME: MACHIAS BAY AND VICINITY, MAINE

MAP NUMBER: TP-01308

The following charted landmarks and nonfloating aids to navigation have been measured and/or confirmed during photogrammetric operations. All geographic positions are based on the N.A. 1927 Datum. Refer to Nautical Charting Division Standard Digital Data Exchange Format documentation for clarification of NCD Quality (Q.C.) and Cartographic (CARTO) Codes.

<table>
<thead>
<tr>
<th>FEATURE DESCRIPTION</th>
<th>CARTO CODE</th>
<th>GEOGRAPHIC POSITION</th>
<th>NCD</th>
<th>DATE OF LOCATION</th>
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<tbody>
<tr>
<td>LIBBY ISLAND LIGHT</td>
<td>139</td>
<td>44 34 05.268 67 22 04.325</td>
<td>3</td>
<td>10/8/85</td>
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</tbody>
</table>

Listing approved by: [Signature]  
FINAL REVIEWER  
Aug 1986
**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

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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**FORM C&GS-8212 SUPERScedes ALL EDITIONS OF FORM C&GS-878.**