

01177

01177

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

DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED.

| | |
|---|-------------------------|
| Map No. TP-01177 | Edition No. 1 |
| Job No. CM-8206 | |
| Map Classification CLASS III (FINAL) | |
| Type of Survey SHORELINE | |
| LOCALITY | |
| State ALASKA | |
| General Locality CAPE NEWENHAM TO TOGIAC BAY | |
| Locality MATOGAK RIVER | |
| <div style="border: 1px solid black; padding: 5px; text-align: center;">19₈₅ TO 19</div> | |
| 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. <u>01177</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>PH CM-8206</u> | |
| DESCRIPTIVE REPORT - DATA RECORD | | | | | |
| PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA | | LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | | | |
| OFFICER-IN-CHARGE A. Y. Bryson, CDR | | JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ | | | |
| I. INSTRUCTIONS DATED | | | | | |
| 1. OFFICE | | | 2. FIELD | | |
| Aerotriangulation January 8, 1986 Compilation June 6, 1986 | | | Control April 26, 1985 | | |
| II. DATUMS | | | | | |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN | | | OTHER (Specify) | | |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input 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 Alaska ZONE 7 | | |
| 5. SCALE 1:20,000 | | | STATE ZONE | | |
| III. HISTORY OF OFFICE OPERATIONS | | | | | |
| OPERATIONS | | NAME | | DATE | |
| 1. AEROTRIANGULATION METHOD: Analytic | | BY J. Taylor | | Mar 1986 | |
| LANDMARKS AND AIDS BY | | J. Taylor | | Mar 1986 | |
| 2. CONTROL AND BRIDGE POINTS METHOD: Xynetics 1201 | | PLOTTED BY F. Mauldin | | Jul 1986 | |
| CHECKED BY R. Kravitz | | Jul 1986 | | Aug 1986 | |
| 3. STEREOSCOPIC INSTRUMENT COMPILATION | | PLANIMETRY BY P. Evans | | Aug 1986 | |
| INSTRUMENT: Wild B-8 | | CHECKED BY F. Mauldin | | Aug 1986 | |
| SCALE: 1:20,000 | | CONTOURS BY N.A. | | N.A. | |
| 4. MANUSCRIPT DELINEATION | | PLANIMETRY BY P. Evans | | Aug 1986 | |
| METHOD: Smooth drafted | | CHECKED BY F. Mauldin | | Oct 1986 | |
| SCALE: 1:20,000 | | CONTOURS BY N.A. | | N.A. | |
| HYDRO SUPPORT DATA BY | | P. Evans | | Aug 1986 | |
| CHECKED BY | | F. Mauldin | | Oct 1986 | |
| 5. OFFICE INSPECTION PRIOR TO FIELD Final Review | | BY F. Mauldin | | Oct 1986 | |
| 6. APPLICATION OF FIELD EDIT DATA | | BY N.A. | | N.A. | |
| CHECKED BY | | F. Mauldin | | Oct 1986 | |
| 7. COMPILATION SECTION REVIEW Class III | | BY L. O. Neterer, Jr. | | Oct 1986 | |
| 8. FINAL REVIEW Class III | | BY L. O. Neterer, Jr. | | Nov. 1986 | |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH | | BY P. Dampsey | | Dec. 1986 | |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH | | BY | | Feb 87 | |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION | | | | | |

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

TP-01177

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

Wild RC-10(B) (focal length=152.744mm)

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

☒ PREDICTED TIDES☐ REFERENCE STATION RECORDS☐ TIDE CONTROLLED PHOTOGRAPHY

(C) COLOR

(P) PANCHROMATIC

(I) INFRARED

ZONE

Alaska

☒ STANDARD

MERIDIAN

135°

☐ DAYLIGHT

| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE |
|-------------------------|-------------|-------|----------|--------------------|
| * 85 B(C) 5158-5161 | Jul.10,1985 | 15:35 | 1:50,000 | 1.1 ft. above MLLW |
| Mean tide range=7.6 ft. | | | | |

REMARKS *The stage of tide at the time of photography was based on predicted tide data, using reference station Nushagak Bay and subordinate station Black Rock (Walrus Islands).

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from office interpretation of the above listed color bridging/compilation photographs using stereo instrument methods.

3. SOURCE OF MEAN LOWER LOW-WATER LINE:

There was no mean lower low water line compiled on this project.

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 | TP-01178 | TP-01180 & TP-01181 | None |

REMARKS

NOAA FORM 76-36C
(3-72)

TP-01177

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

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD ~~MARKING~~ OPERATION Premarking ☐ FIELD EDIT OPERATION

| OPERATION | NAME | DATE |
|-------------------------------------|--|-----------|
| 1. CHIEF OF FIELD PARTY | R. Melby | Jun 1985 |
| 2. HORIZONTAL CONTROL | RECOVERED BY M. McEwen | Jun 1985 |
| | ESTABLISHED BY N.A. | |
| | PRE-MARKED OR IDENTIFIED BY M. McEwen | Jun. 1985 |
| 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 checked="" 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

Premarked

2. VERTICAL CONTROL IDENTIFIED

None

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|--------------------------------|--------------|---------------------|
| 85B(C)5161 | MATOGAK, 1985 (paneled direct) | | |

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|--------------|-------------|--------------|-------------|
| | | | |

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 NOAA Forms 76-53 (CSI Card)

NOAA FORM 76-36D
(3-72)

TP-01177

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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|----------------------|----------|----------------------|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Compilation Complete | Oct 1986 | Class III Manuscript | None | None |
| Final Reviewed | Oct 1986 | Final Class III Map | 12-12-86 | 12-12-86 |
| | | | | |
| | | | | |

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|---------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: None
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

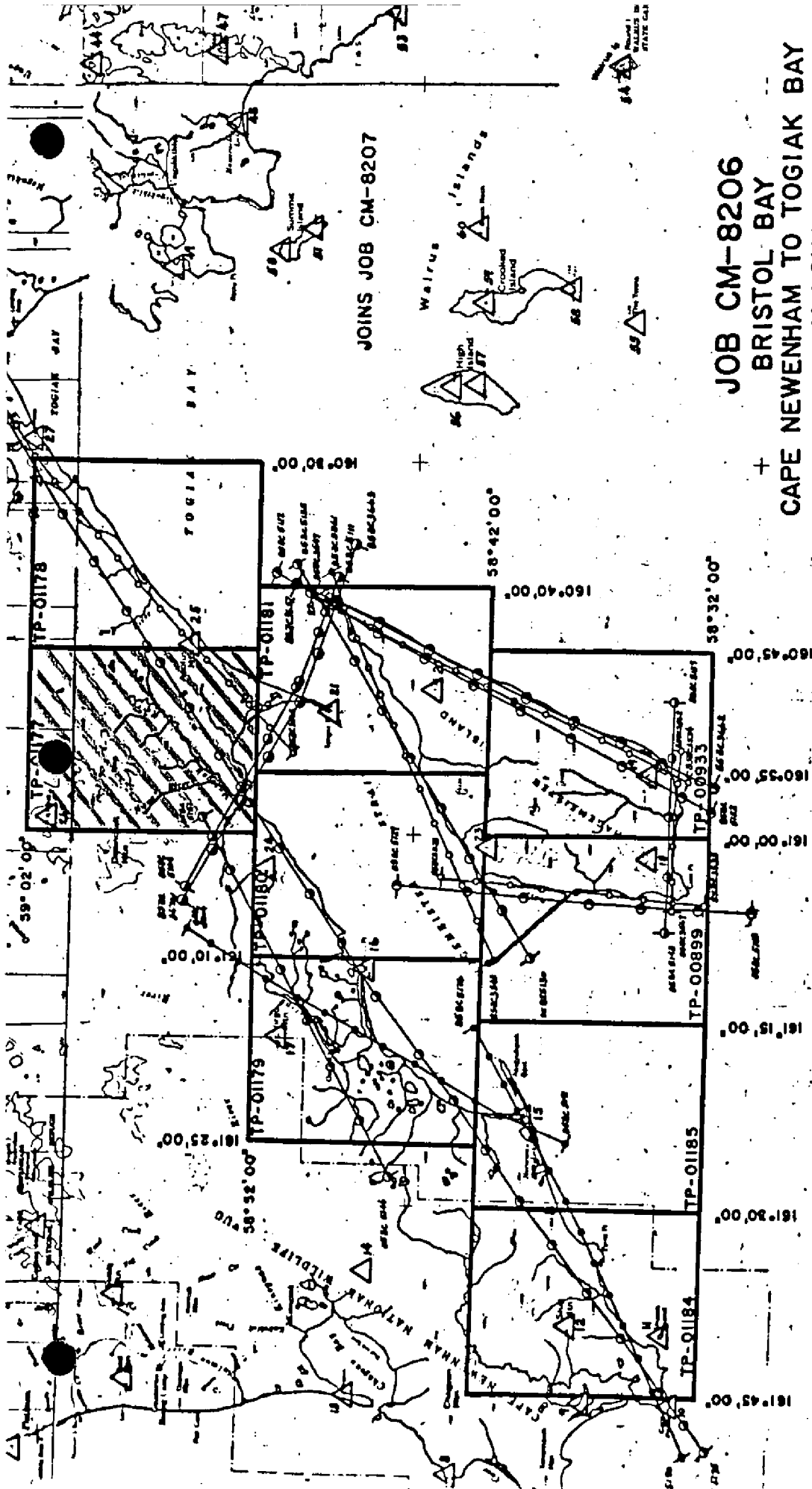
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. ~~541~~ 76-40 ☒ 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 | |



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01177

This 1:20,000 scale shoreline map is one of nine maps in project CM-8206, Cape Newenham to Togiak Bay, Alaska latitude $59^{\circ}02'00''$, longitude $160^{\circ}30'00''$ southwest to latitude $58^{\circ}32'00''$, longitude $162^{\circ}15'00''$, including Hagmeister Island.

Photographic coverage was provided in July 1985 with color film using the Wild RC-10 "B" camera at 1:50,000 scale.

Field work prior to compilation accomplished in June and August 1985, consisted of premarking stations and photoidentifying one control station to satisfy aerotriangulation requirements.

Analytic aerotriangulation was adequately performed at the Washington Science Center in March 1986. The manuscripts were ruled at the Atlantic Marine Center from the data furnished by the aerotriangulation process.

Compilation was performed at the Atlantic Marine Center from office interpretation of the 1:50,000 scale color photography in October 1986.

Final Review was performed at the Atlantic Marine Center in October 1986. A chart Maintenance Print and Hydro Print were prepared and forwarded to the Marine Charts Branch and the Hydrographic Branch. This map is to be registered as a Final Class III Map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
Pacific Marine Center
1801 Fairview Avenue East
Seattle, Washington 98102-3767

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October 7, 1985

N/MOP21/DWY

TO: N/CG23 - Ronald K. Brewer

FROM: *David W. Yeager*
N/MOP22 - David W. Yeager

SUBJECT: Field Operations Report, Job CM-8206, Bristol Bay, Togiak Bay to Cape Newenham, Alaska, Shoreline Mapping

This report covers the shoreline area of the portion of Bristol Bay from the vicinity of the village of Togiak on Togiak Bay to Cape Newenham including Hagemeister Island, Alaska.

Field work was accomplished during the first two weeks in June and the last week of August, 1985, under Project Instructions for Job CM-8206 dated April 26, 1985.

Photo panels were placed in each office-selected area except for site numbers 1 and 15 (as shown on the attached sketch). Site number 1 was at Cape Newenham where access was precluded during both field periods due to extreme weather conditions. Site number 15 was not paneled for the same reason. However, two photo identifiable points were positioned on returning to area 15 after the photography was completed. All stations were paneled direct except for site number 12 where a substitute station was paneled.

No photo hydro panels were set due to time constraints imposed by helicopter availability.

Each photo panel has been entered on NOAA form 76-53, Control Station Identification Card, with other pertinent information.

Seven additional horizontal control stations were established by Third Order-Class I methods at panel sites that did not have an existing horizontal control station. These positions were determined with a Magnavox MX-1502 Geociever using the translocation solution and represent unadjusted field positions. Positioning data, recovery notes, etc. will be entered into the NGS data base via terminal entry procedures (MTEN) during November 1985.

The following data from Job CM-8206 is attached and forwarded for your use:

1. Control Station Identification Cards (CSI, NOAA Forms 76-53) for each paneled station.
2. Map of the area covered by Job CM-8206 indicating locations of each paneled station.



LIST OF GEOGRAPHIC POSITIONS

CM-8206

HORIZONTAL CONTROL TARGETS

| | POSITION | STATION NAME |
|------------------------|--------------------|----------------|
| PANEL #1 | UNAVAILABLE | NOT paneled |
| | 58°-40'-31.22747" | |
| PANEL #2 | 161°-56'-17.14127" | CASTLE ROCK |
| | 58°-36'-47.42199" | |
| PANEL #3 | 161°-45'-29.45564" | NANVAK |
| | 58°-33'-08.10089" | |
| PANEL #4 | 161°-45'-36.58559" | PIERCE |
| | 58°-39'-16.41706" | |
| PANEL #5 | 161°-24'-49.45443" | FIFTEEN |
| | 58°-46'-54.87174" | |
| PANEL #6 | 161°-10'-50.61927" | ESTUS |
| | 58°-52'-29.373" | |
| PANEL #7 | 160°-55'-57.808" | MATOGAK |
| | 58°-48'-45.571" | |
| PANEL #8 | 160°-50'-09.208" | TONGUE POINT 2 |
| | 58°-54'-58.73179" | |
| PANEL #9 | 160°-44'-45.82133" | AEOLUS |
| | 59°-01'-57.36568" | |
| PANEL #10 | 160°-28'-15.46802" | NEMESIS |
| | 58°-49'-04.24167" | |
| PANEL #11 | 160°-40'-55.84692" | STRAIT |
| | 58°-44'-13.06020" | |
| PANEL #12 | 160°-48'-16.54081" | ISLAND |
| | 58°-39'-36.483" | |
| PANEL #13 | 160°-49'-29.186" | GEM |
| | 58°-34'-44.057" | |
| PANEL #14 | 160°-55'-01.729" | CALM POINT |
| | 58°-33'-12.266" | |
| PANEL #15 | 161°-02'-55.477" | PHOTO I.D. #1 |
| | 58°-33'-26.345" | |
| PANEL #15 ALTERNATE | 161°-02'-52.740" | PHOTO I.D. #2 |
| | 58°-36'-52.109" | |
| PANEL #16 | 161°-04'-16.765" | STER |
| | 58°-41'-43.229" | |
| PANEL #17 | 161°-10'-15.915" | TAT |
| | 58°-42'-02.792" | |
| PANEL #18 | 161°-03'-33.322" | MOLY |
| | 58°-44'-41.531" | |
| PANEL #19 | 160°-54'-59.618" | VELO |

All Latitudes North
All Longitude West

AEROTRIANGULATION REPORT
CM-8206
CAPE NEWENHAM TO TOGIAC BAY
MARCH 19, 1986

21. AREA COVERED

The area covered by this report is in Bristol Bay from Cape Newenham to Togiak Bay. This area is covered by nine 1:20,000 scale manuscripts, TP-01177 thru TP-01181, TP-01184, TP-01185, TP-00899, TP-00933.

22. METHOD

Three strips of 1:50,000 - and two strips of 1:30,000-scale color photographs were bridged by analytic aerotriangulation method and adjusted to ground using the Alaska State Plane Coordinate System Zone 7.

No fixed aids to navigation or landmarks were located for this project.

No manuscripts were plotted for compilation but a magnetic tape was created of the output of the bridge points for compilation for plotting at the Atlantic Marine Center.

Ratio values were determined for the bridging photographs. No black-and-white infrared photographs were secured for this job.

23. ADEQUACY OF CONTROL

The horizontal control provided was adequate for the job. Fifteen premarked stations and two field identified photo control points were used in the adjustment of the strips. Ties were made between the overlapping strips and used for control in some of the strips. The aerotriangulation of this project will meet The National Ocean Service requirements for map manuscripts.

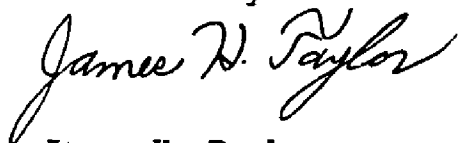
24. SUPPLEMENTAL DATA

Vertical control was taken from USGS quadrangles.

25. PHOTOGRAPHY


The coverage, overlap, and quality of the photographs proved adequate for the job with the exception of a small area on the west side of TP-01184. The coverage of the northern part of Nanvak Bay will be inadequate. The optical flat of the camera had an icing condition which made the selection of passpoints difficult. The "Z" camera was mounted in the plane backwards and the photos had to be renumbered to reverse the direction of the flight.

Submitted By



James H. Taylor

Approved & Forwarded



Don. O. Norman
Chief, Aerotriangulation Unit

CM-8206
FIT TO CONTROL
▲ = CONTROL HELD

STRIP 50-3

85-BC-5153 thru 5174

| PT. NO. | XFT. | YFT. |
|---------|------|------|
| ▲153100 | -0.5 | -0.2 |
| ▲158100 | 2.1 | 0.7 |
| ▲161100 | -0.6 | -1.0 |
| ▲165100 | -2.7 | 0.5 |
| ▲168100 | 2.3 | -0.1 |
| ▲174100 | -0.6 | 0.1 |

STRIP 50-7

85-BC-5140 thru 5143

| PT. NO. | XFT. | YFT. |
|---------|------|------|
| ▲661100 | 0.0 | -0.1 |
| ▲143101 | 1.8 | -0.9 |
| ▲143102 | -1.8 | 1.0 |

STRIP 50-6

85-ZC-3654 thru 3661 ORIGINAL NUMBERS

3661 thru 3668 NEW NUMBERS

| PT. NO. | XFT. | YFT. |
|---------|------|------|
| ▲140801 | -0.2 | 1.6 |
| ▲140802 | -2.0 | 1.4 |
| ▲140803 | -1.0 | 4.1 |
| ▲661100 | -0.4 | 0.3 |
| ▲658100 | 1.7 | -0.8 |
| ▲656101 | -1.6 | 0.8 |
| ▲654100 | 0.3 | -0.4 |

STRIP 30-11

85-ZC-3526 thru 3532 ORIGINAL NUMBERS

3532 thru 3538 NEW NUMBERS

| PT. NO. | XFT. | YFT. |
|---------|-------|------|
| ▲143101 | 6.2 | -3.9 |
| ▲143102 | -12.7 | -0.6 |
| ▲532801 | 1.8 | 0.8 |
| ▲532802 | -1.8 | 0.9 |
| ▲530100 | 0.0 | 0.0 |
| ▲526100 | 0.0 | 0.0 |

STRIP 30-8

85-ZC-3549 thru 3560 ORIGINAL NUMBERS

3560 thru 3570 NEW NUMBERS

| PT. NO. | XFT. | YFT. |
|----------|------|------|
| ▲ 560801 | -0.2 | -0.5 |
| ▲ 560802 | 0.0 | -0.6 |
| ▲ 560803 | 0.2 | 1.2 |
| ▲ 555100 | 0.0 | 0.0 |
| ▲ 526100 | 0.0 | 0.0 |
| ▲ 538802 | -1.4 | -1.2 |

5

RATIO VALUES
CM-8206

RATIO 2.490
85-BC-5130-5131
5140-5143

RATIO 2.494
85-BC-5153-5174

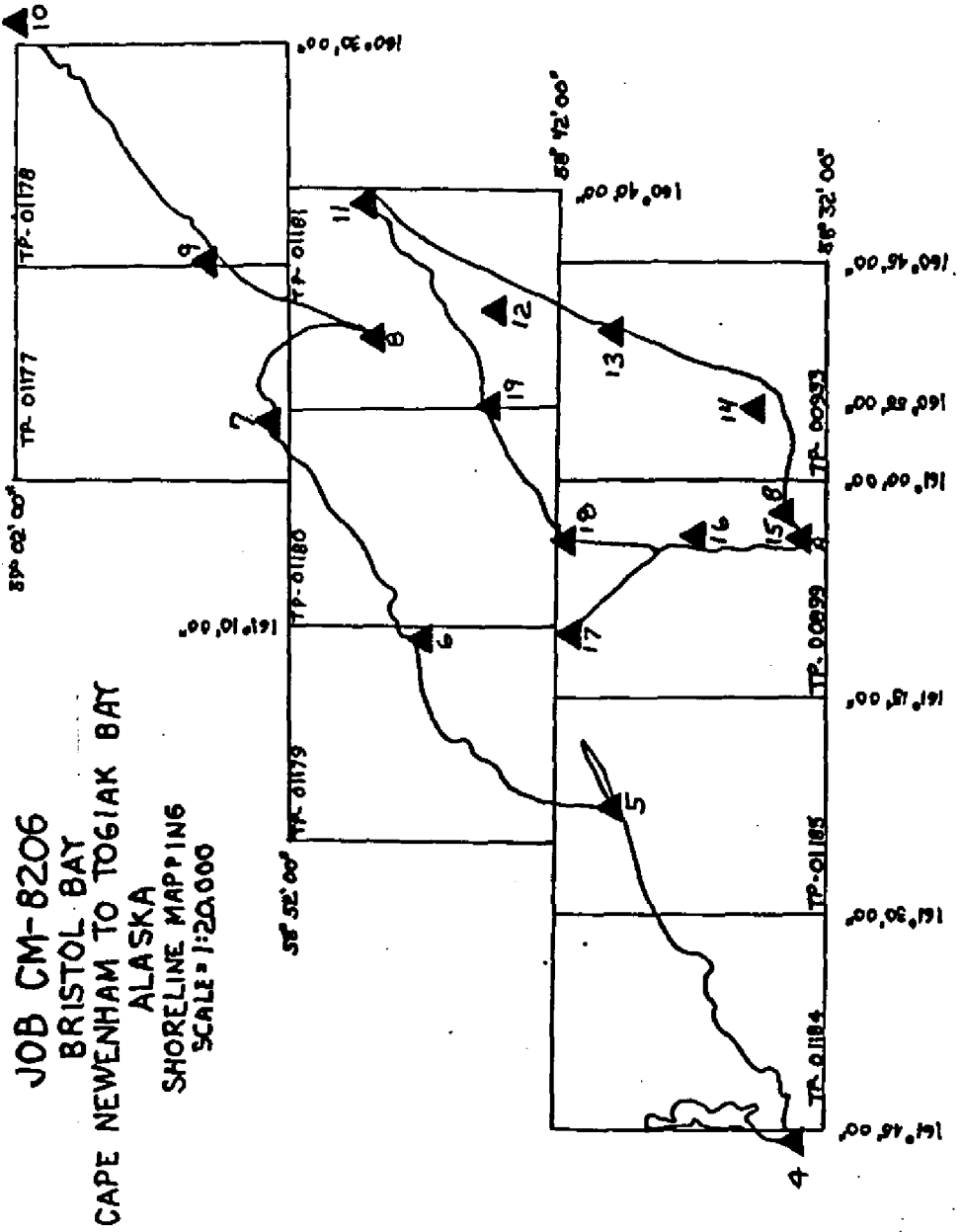
RATIO 1.463
85-ZC-3526-3532

RATIO 1.459
85-ZC-3549-3560

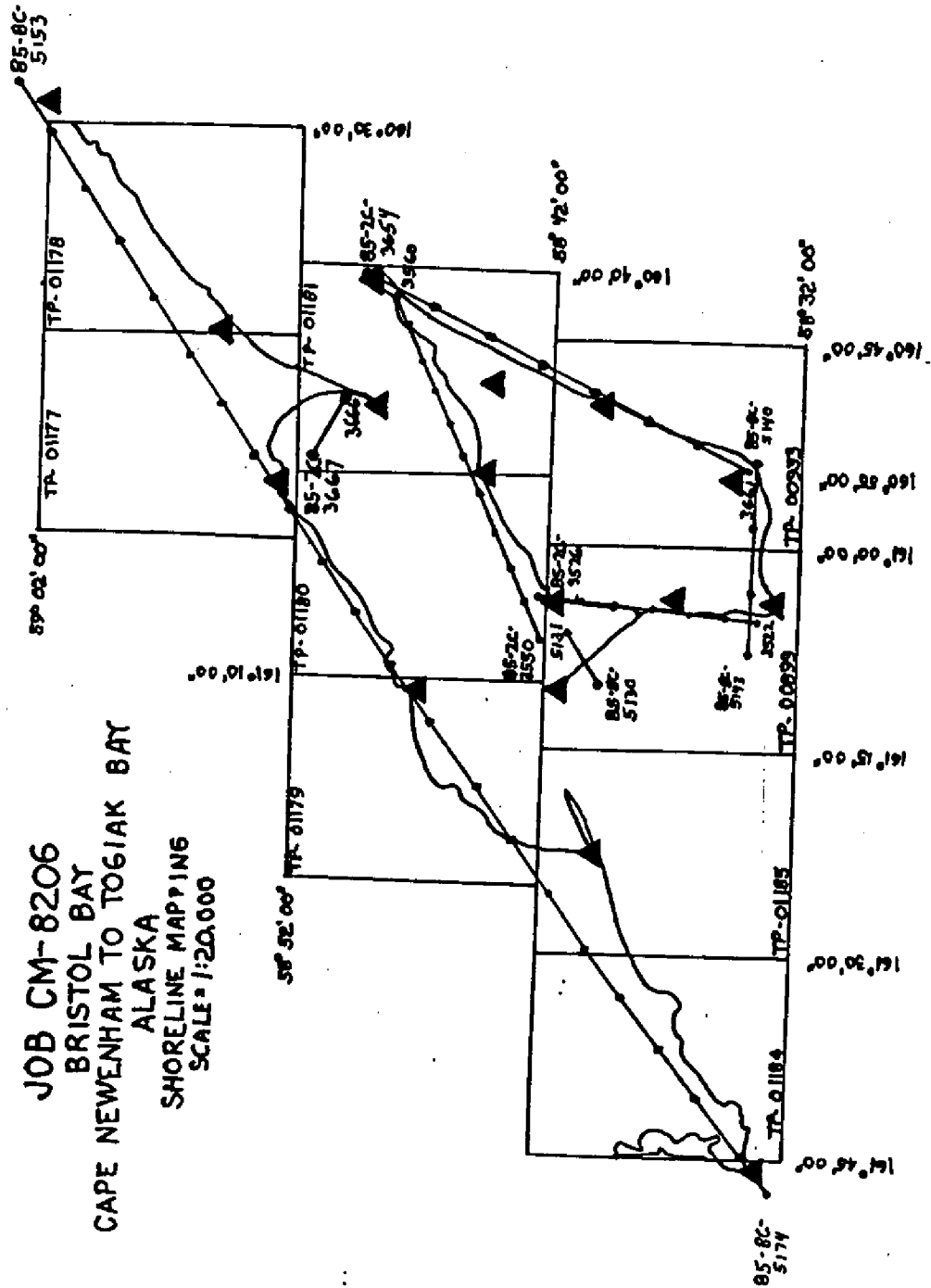
RATIO 2.452
85-ZC-3654-3661
3665-3667

KEY TO NUMBERED TRIANGULATION STATION

| | |
|--------------------------|--------|
| 4 - Pierce, 1948 | 174100 |
| 5 - Fifteen, 1948 | 168100 |
| 6 - Estus, 1948 | 165100 |
| 7 - Matogak, 1985 | 161100 |
| 8 - Tongue Point 2, 1985 | 666100 |
| 9 - Aeolus, 1948 | 158100 |
| 10 - Nemesis, 1948 | 153100 |
| 11 - Strait, 1948 | 654100 |
| 12 - Island, 1948 | 656101 |
| 13 - Gem, 1985 | 658100 |
| 14 - Calm Point, 1948 | 661100 |
| 15A - Photo ID #1 | 143101 |
| 15B - Photo ID #2 | 143102 |
| 16 - Ster, 1985 | 530100 |
| 17 - Tat, 1985 | 549100 |
| 18 - Moly, 1985 | 526100 |
| 19 - Velo, 1985 | 555100 |



JOB CM-8206
BRISTOL BAY
CAPE NEWENHAM TO TOGIAK BAY
ALASKA
SHORELINE MAPPING
SCALE: 1:20,000



DESCRIPTIVE REPORT CONTROL RECORD

| | | | | | | |
|-----------------------------------|---|---|---|--|---|-------------------|
| MAP NO. TP-01177 | JOB NO. CM-8206 | GEODEIC DATUM N.A. 1927 | | ORIGINATING ACTIVITY Coastal Mapping Unit; AMC, Norfolk, VA | | |
| STATION NAME MATOGAK, 1985 | SOURCE OF INFORMATION (Index) List of Geographic Positions | AEROTRI- ANGULATION POINT NUMBER 161100 | COORDINATES IN FEET STATE Alaska ZONE 7 | | GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE | REMARKS |
| | | | $x=$ | $y=$ | | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| | | | $x=$ | $y=$ | ϕ | |
| | | | $x=$ | $y=$ | λ | |
| COMPUTED BY | | | COMPUTATION CHECKED BY | | | DATE |
| LISTED BY P. L. Evans, Jr. | | | LISTING CHECKED BY F. Mauldin | | | DATE Oct. 1986 |
| HAND PLOTTING BY | | | HAND PLOTTING CHECKED BY | | | DATE |

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

COMPILATION REPORT
TP-01177

31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods to compile shoreline, alongshore, and interior detail based on office interpretation of the 1:50,000 scale color bridging/compilation photographs. All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate; however, in some areas, glare on the water made the selection of offshore rocks difficult. There were no mean lower low water infrared photographs for this project.

32 - CONTROL

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated March 19, 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 photographs as described in item #31.

There was no mean lower low water line compiled on this manuscript.

36 - OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in item #31.

37 - LANDMARKS AND AIDS

There were no landmarks or aids to navigation within the limits of this manuscript.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

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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 and U.S. Coast and Geodetic Survey topographic maps:
Hagemeister Island (D-3), Alaska; dated 1948, revised 1973; scale 1:63,360 (U.S.G.S.)
Goodnews Bay (A-5), Alaska; dated 1979, revised 1983; scale 1:63,360 (U.S.G.S.)
T-9235; scale 1:20,000; compiled 1951 (U.S.C.&G.S.)
T-9241; scale 1:20,000; compiled 1950 (U.S.C.&G.S.).

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Service charts:

530; 22nd edition; dated August 18, 1984; scale 1:4,860,700
16006; 28th edition; dated March 31, 1984; scale 1:1,534,076
16011; 31st edition; dated June 29, 1985; scale 1:1,023,188
16305; 2nd edition; dated January 4, 1986; scale 1:100,000 (Prov)
16315; 2nd edition; dated January 4, 1986; scale 1:100,000 (Prov).

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD


None.

Submitted by



P. L. Evans, Jr.
Cartographic Technician
22 August 1986

Approved


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

OCT 23 1986²⁰

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8206 (Cape Newenham to Togiak Bay, Alaska)

TP-01177

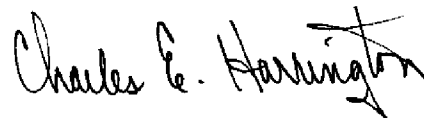
Hagemeister Strait

Matogak River

Nisua River

Togiak Bay

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services

REVIEW REPORT
SHORELINE

TP-01177

61 - GENERAL STATEMENT

See Summary included with this report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with U.S.C. & G.S. topographic maps: T-9235, compiled in 1951 from photographs taken in August 1947 and T-9241, compiled in 1950 from photographs taken in 1948. Both maps are 1:20,000 scale.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. quadrangles: Hagmeister Island (D-3), dated 1948, minor revision 1981 and Goodnews Bay (A-5), Alaska, dated 1959, minor revision 1983. Both maps are 1:63,360 scale.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There is no contemporary hydrographic survey within the limits of this map.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following N.O.S. Charts: 16305 and 16315; both are the 2nd edition, January 4, 1986, scale 1:100,000.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with Project Instructions and meets the requirements of National Standards of Map Accuracy.

Submitted by

Lowell O. Neterer, Jr.
Lowell O. Neterer, Jr.
Final Reviewer
16 October 1986

Approved for forwarding

Billy H. Barnes
Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

Gregory J. Fenn *Ronald K. Brewer*
Chief, Photogrammetric Production Sec. Chief, Photogrammetry Branch,
Rockville

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]