

T-12784

ORIGINAL

T-12784

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline
Job No. PH-6502 Map No. T-12784
Classification No. III Edition No. 1

LOCALITY

State Alaska
General Locality Glacier Bay
Locality South Marble Island

1972 TO 19

REGISTRY IN ARCHIVES

DATE

| | | | |
|--|--|--|------------------------------------|
| 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 Coastal Mapping Division Atlantic Marine Center, Norfolk, Va. | | SURVEY TR <u>12784</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>PH-6502</u> | |
| OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR | | LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB <u>PH-_____</u> MAP CLASS <u>_____</u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u> | |
| I. INSTRUCTIONS DATED | | | |
| 1. OFFICE | | 2. FIELD | |
| Aerotriangulation May 18, 1973 Compilation-Supp. II June 14, 1973 Final Review June 3, 1977 | | Feb. 17, 1970 | |
| 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 checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL | | OTHER (Specify) | |
| 3. MAP PROJECTION Polyconic | | 4. GRID(S) STATE <u>Alaska</u> ZONE <u>1</u> | |
| 5. SCALE 1:10,000 | | STATE <u> </u> ZONE <u> </u> | |
| III. HISTORY OF OFFICE OPERATIONS | | | |
| OPERATIONS | | NAME | DATE |
| 1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY | | <u>D. O. Norman</u> | <u>Jul 1973</u> |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Cordomat</u> CHECKED BY | | <u>Allen</u> <u>Allen</u> | <u>Jul 1973</u> <u>Jul 1973</u> |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: CONTOURS BY SCALE: CHECKED BY | | None NA NA | |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Graphic, Smooth</u> CONTOURS BY <u>Drafting</u> CHECKED BY SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY CHECKED BY | | <u>R. R. White</u> NA NA None prepared | <u>Nov 1973</u> |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | | None | |
| 6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY | | None | |
| 7. COMPILATION SECTION REVIEW BY | | None | |
| 8. FINAL REVIEW BY | | <u>C. H. Bishop</u> | <u>Aug 1977</u> |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY | | <u>C. H. Bishop</u> | <u>Dec 1977</u> |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY | | <u>J. B. Phillips</u> | <u>Jan 1978</u> |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY | | <u>R. T. Carter</u> | <u>Mar 1978</u> |

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12784
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|--|--|---|-------|----------------|----------------|
| CAMERA(S) Wild RC 8 "E" | | TYPES OF PHOTOGRAPHY LEGEND | | TIME REFERENCE | |
| TIDE STAGE REFERENCE JUNEAU | | (C) COLOR X (P) PANCHROMATIC (I) INFRARED | | ZONE | |
| <input checked="" type="checkbox"/> PREDICTED TIDE Willoughby Island | | | | Pacific | |
| <input type="checkbox"/> REFERENCE STATION RECORDS | | | | MERIDIAN | |
| <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | 120th | |
| NUMBER AND TYPE | | DATE | TIME | SCALE | STAGE OF TIDE |
| 72E(c) 4793-4795 | | 4 Jul 1972 | 14:49 | 1:30,000 | 3.8 above MLLW |

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was delineated from office interpretation the above listed photographs.

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

The approximate MLLWL was delineated from office interpretation of the above listed 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 |
|---------|---------|---------|-----------|
| T-12778 | T-12785 | T-12791 | No Survey |

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12784
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

| OPERATION | NAME | DATE |
|-------------------------------------|--|----------|
| 1. CHIEF OF FIELD PARTY | J. Watkins, Jr. | Jun 1970 |
| 2. HORIZONTAL CONTROL | RECOVERED BY J.C.B. & W.A.H. | Jun 1970 |
| | ESTABLISHED BY None | |
| | PRE-MARKED OR IDENTIFIED BY J. C. B. & W. A. H. | Jun 1970 |
| 3. VERTICAL CONTROL | RECOVERED BY NA | |
| | ESTABLISHED BY NA | |
| | PRE-MARKED OR IDENTIFIED BY NA | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY None | |
| | LOCATED (Field Methods) BY None | |
| | IDENTIFIED BY None | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION | |
| | <input type="checkbox"/> COMPLETE BY | |
| | <input type="checkbox"/> SPECIFIC NAMES ONLY | |
| | <input checked="" type="checkbox"/> NO INVESTIGATION | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY None | |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY None | |

II. SOURCE DATA

| 1. HORIZONTAL CONTROL IDENTIFIED | | 2. VERTICAL CONTROL IDENTIFIED | |
|----------------------------------|---------------------|--------------------------------|---------------------|
| | | NA | |
| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
| 72E(c)4795 | MARBLE R.M. 2, 1907 | | |
| 70E(c)7755 | NORTE, 1939 | | |

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)

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HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

| OPERATION | NAME | DATE |
|-------------------------------------|--|----------|
| 1. CHIEF OF FIELD PARTY | C. Burroughs | Oct 1973 |
| 2. HORIZONTAL CONTROL | RECOVERED BY None | |
| | ESTABLISHED BY J. Albright | Oct 1973 |
| | PRE-MARKED OR IDENTIFIED BY J. Albright | Oct 1973 |
| 3. VERTICAL CONTROL | RECOVERED BY NA | |
| | ESTABLISHED BY NA | |
| | PRE-MARKED OR IDENTIFIED BY NA | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY None | |
| | LOCATED (Field Methods) BY None | |
| | IDENTIFIED BY None | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION | |
| | <input type="checkbox"/> COMPLETE BY | |
| | <input type="checkbox"/> SPECIFIC NAMES ONLY | |
| | <input checked="" type="checkbox"/> NO INVESTIGATION | None |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY | None |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY | None |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

4 field located control pts. established NA

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|--------------------|--------------|---------------------|
| 70E(c)4794 | North, 1973 (Topo) | | |
| 70E(c)4794 | Sunny, 1973 (Topo) | | |
| 70E(c)4794 | Clear, 1973 (Topo) | | |
| 70E(c)4794 | South, 1973 (Topo) | | |

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)

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Geodetic Control Report

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

T-12784

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|---|----------|-------------------------------------|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Partial Compilation | Sep 1973 | Class III | 9/17/73 | 9/14/73 |
| Compilation complete pending field edit | Nov 1973 | Class III | | |
| Field edit applied to two foul areas only | Mar 1975 | Class III | | |
| Final Review prior to registration | Aug 1977 | Class III-minor corrections only | Nov. 1977 | |

II. LANDMARKS AND AIDS TO NAVIGATION

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: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

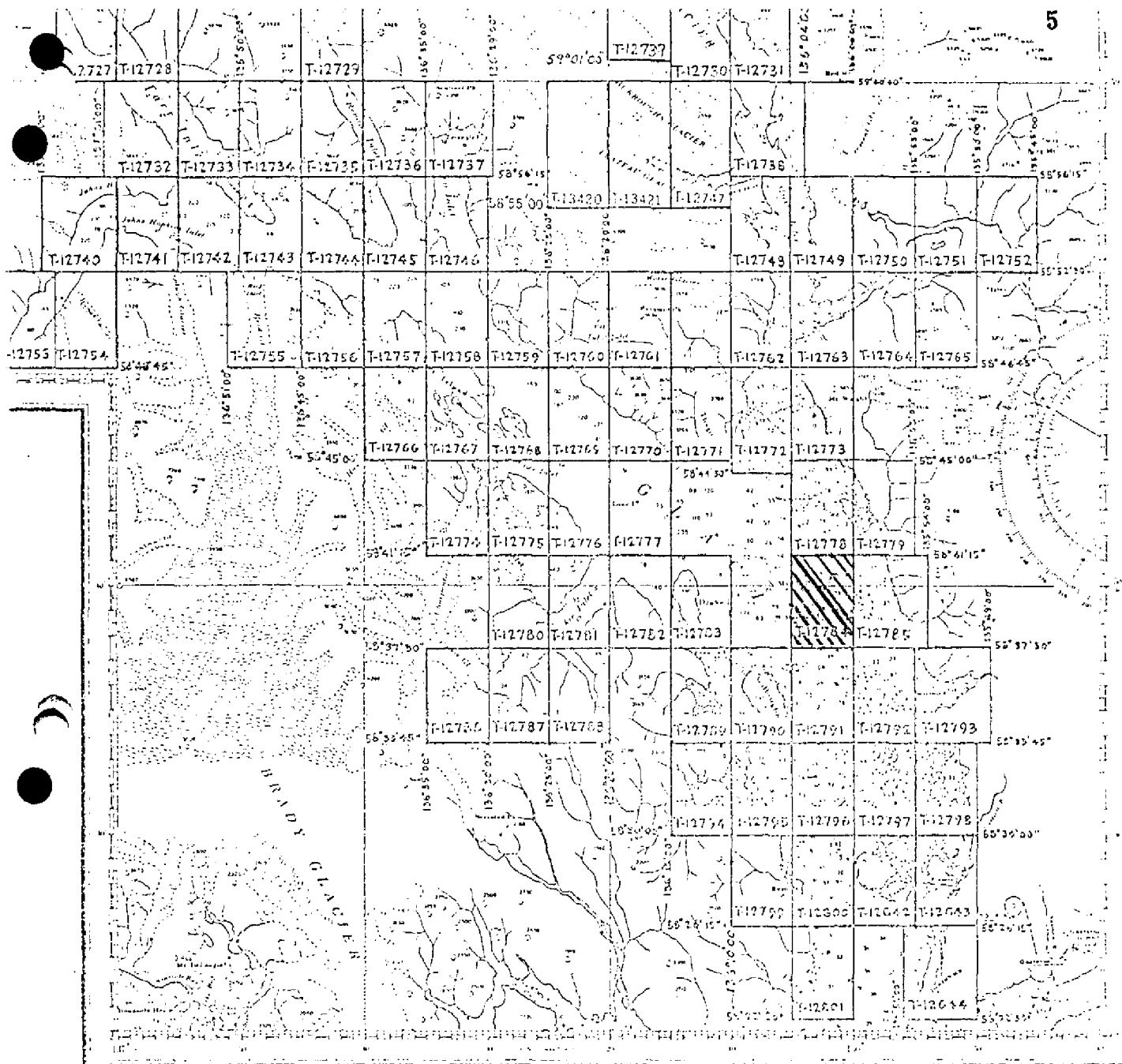
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

| | | | |
|----------------|---------------------------------|--------------------------|---|
| SECOND EDITION | SURVEY NUMBER TP - _____ (2) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| THIRD EDITION | SURVEY NUMBER TP - _____ (3) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| FOURTH EDITION | SURVEY NUMBER TP - _____ (4) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |

NOAA FORM 76-36D



REVISED 9-5-72 RWH

JOB PH-6502 GLACIER BAY ALASKA

Shoreline Mapping

SCALE 1:10,000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12784

This 1:10,000 scale shoreline survey is one of 80 maps that comprise Project PH-6502, Glacier Bay, Alaska. The Job Diagram shows its location in the project.

There was no field inspection prior to compilation. Established horizontal control stations were premarked in 1970. Four additional temporary stations were established and identified in October 1973.

Aerotriangulation was done in Rockville in July 1973.

Compilation was done at the Atlantic Marine Center in November 1973. Because of water centers and the small land area, models could not be set--delineation was by graphic methods.

Final review was done at the Atlantic Marine Center in August 1977.

The original manuscript was a stabilene sheet 3' 45" in latitude by 5' in longitude. It was forwarded to Rockville for processing a film positive for filing in the Archives, one reproduction negative to be filed in the Reproduction Branch, and two negatives to be forwarded to the Photo Map and Imagery Information Section for dispersal.

GLACIER BAY, ALASKA

Southern Part

Job PH-6502

July 1973

21. Area Covered. This report pertains to twenty-two sheets in the southern part of Glacier Bay, Alaska. The sheets covered are T-12773, T-12778, T-12779, T-12783 thru T-12785, T-12789 thru T-12801, and T-12642 thru T-12644.

22. Method. Five strips of RC-8 photography at 1:40,000 scale were bridged by analytic aerotriangulation methods and adjusted to ground using Alaska state plane coordinates, zone 1. Points were established for setting 1:30,000 scale compilation photography. Points were also established for determining ratios of this photography. These points were plotted by the Coradomat.

23. Adequacy of Control. The control was adequate.

24. Supplemental Data. USGS topographic quadrangles were used in determining elevations for strip adjustments.

25. Photography. The photography was adequate; however, points could not be established for the compilation of islands on sheets T-12784, T-12791, and T-12796. These islands will have to be put in by a field party.

Submitted by,

Don O. Norman

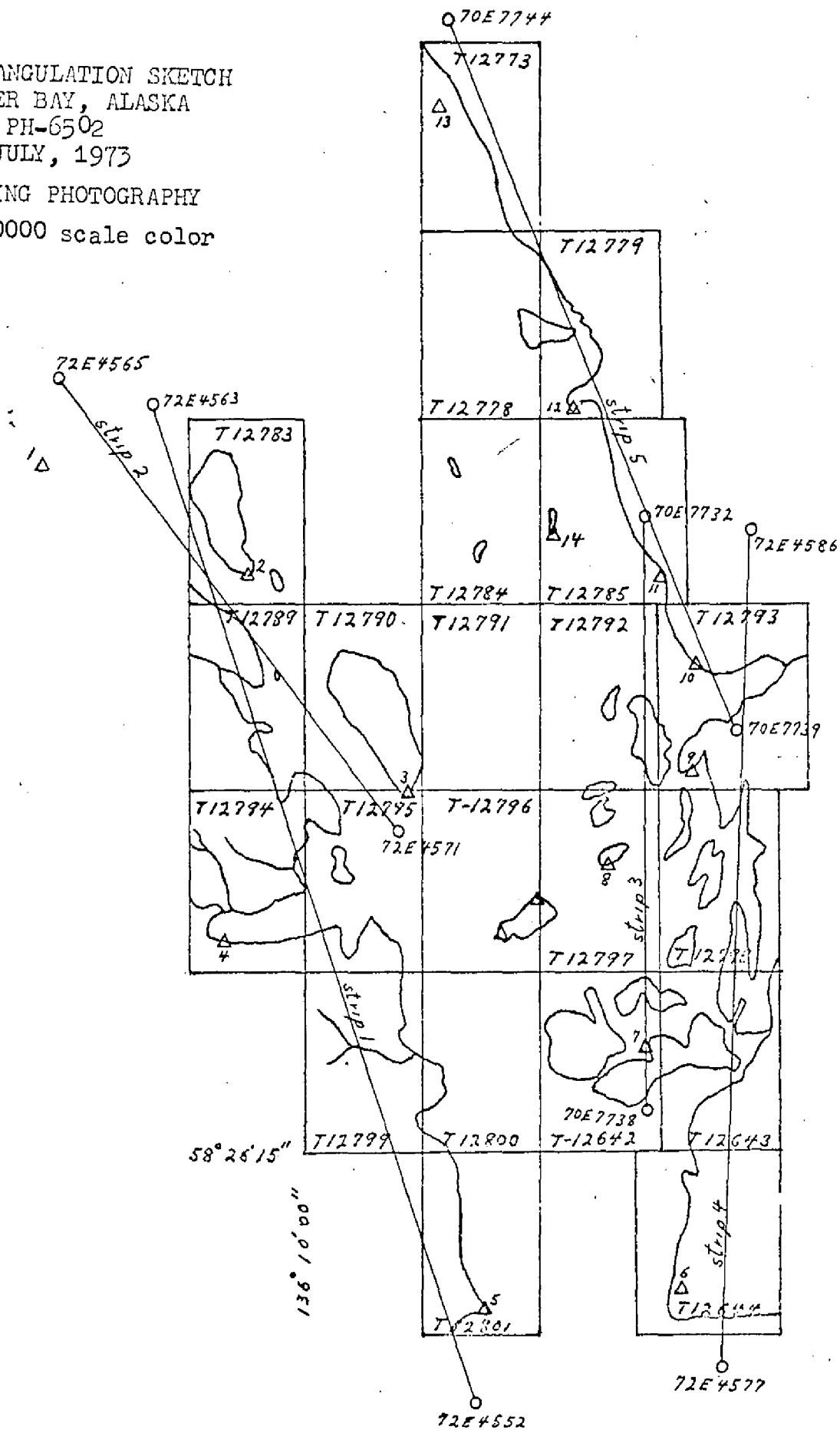
Don O. Norman

approved by:

John D. Ferrow, Jr.
John D. Ferrow, Jr.
Chief, Aerotriangulation
Section

AEROTRIANGULATION SKETCH
GLACIER BAY, ALASKA
PH-6502
JULY, 1973

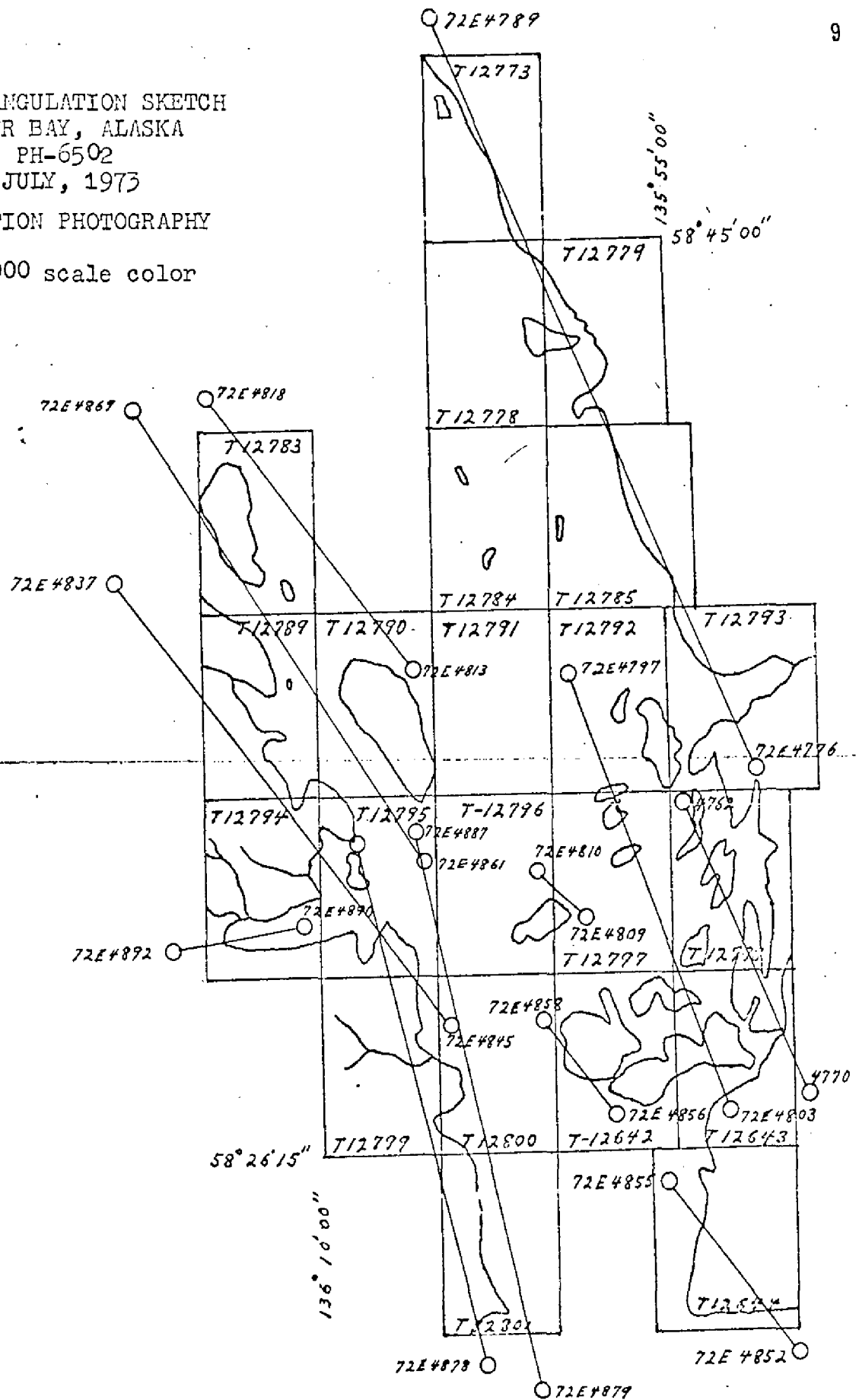
BRIDGING PHOTOGRAPHY
1:40000 scale color



AEROTRIANGULATION SKETCH
GLACIER BAY, ALASKA
PH-6502
JULY, 1973

COMPILATION PHOTOGRAPHY

○ 1:30000 scale color



GLACIER BAY
Southern Part
Fit to Control

Strip 1

5 CARO, 1923 (+0.4, -0.4)
4 JILL, 1938 (-0.8, +2.2)
2 OPEN, 1939 (+2.1, -2.6)
1 RIDGE, 1939 (-1.8, +0.8)

Strip 2

1 RIDGE, 1939 (0.0, 0.0)
2 OPEN, 1939 (0.0, 0.0)
3 STAR, 1938 (0.0, 0.0)

Strip 3

11 GOAT, 1938 (-0.3, -2.6)
10 CANT, 1939 (+1.9, +2.8)
9 VEGA, 1939 (+1.2, +0.5)
8 SOCK, 1938 (-3.5, -1.9)
7 NAME, 1938 (+0.6, +1.2)

Strip 4

6 STAVE, 1938 (+1.5, -1.3)
773802 (-6.2, +2.7)
736801 (+3.4, -2.0)
9 VEGA, 1939 (+3.3, +0.3)
733802 (-2.0, +0.3)

Strip 5

9 VEGA, 1939 (-0.4, -0.8)
10 CANT, 1939 (-0.1, +2.3)
11 GOAT, 1939 (-2.3, -0.2)
14 LITE, 1939 (-0.5, -2.8)
12 EARL, 1970 (+3.0, +1.8)
13 SNOWHITE, 1970 (-0.5, -0.1)

DESCRIPTIVE REPORT CONTROL RECORD

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

| MAP NO. | STATION NAME | JOB NO. | PH-6502 | GEODETIC DATUM | NA | 1927 | ORIGINATING ACTIVITY | REMARKS |
|--------------------|----------------------|-------------------------------|--------------------------------|---|--|-----------------|--------------------------|-------------------|
| | | SOURCE OF INFORMATION (Index) | AEROTRIANGULATION POINT NUMBER | COORDINATES IN FEET STATE Alaska ZONE I | GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE | | Division, AMC, Norf. Va. | Forward Back |
| T-12784 | | | | | | | | |
| NORTE, 1939 | G.P. Vol 3 P. 791 | | | x= | φ 58 40 | 17.130 | | 530.0 (1326.5) |
| | | | | y= | λ 136 03 | 41.382 | | 667.0 (300.0) |
| MARBLE, 1907 | G.P. Vol 3 P. 790 | | | x= | φ 58 38 | 36.327 | | 1124.0 (732.5) |
| | | | | y= | λ 136 02 | 35.349 | | 570.2 (397.6) |
| MARBLE R.M.2, 1907 | Bridge form 164 | | | x= 2,232,950.52 | φ | | | 2950.52 (2049.48) |
| | | | | y= 2,495,580.46 | λ | | | 580.46 (4419.54) |
| CLEAR, 1973 (Topo) | Field Records | | | x= 2,232,286.51 | φ | | | 2286.51 (2713.49) |
| | | | | y= 2,496,398.68 | λ | | | 1398.68 (3601.32) |
| NORTH, 1973 (Topo) | Field Records | | | x= 2,229,302.63 | φ | | | 4302.63 (697.37) |
| | | | | y= 2,506,850.43 | λ | | | 1850.43 (3149.57) |
| SOUTH, 1973 (Topo) | Field Records | | | x= 2,232,905.05 | φ | | | 2905.05 (2094.95) |
| | | | | y= 2,494,713.97 | λ | | | 4713.97 (286.03) |
| SUNNY, 1973 (Topo) | Field Records | | | x= 2,230,336.32 | φ | | | 336.32 (4663.68) |
| | | | | y= 2,504,937.96 | λ | | | 4937.96 (62.04) |
| | | | | x= | φ | | | |
| | | | | y= | λ | | | |
| | | | | x= | φ | | | |
| | | | | y= | λ | | | |
| | | | | x= | φ | | | |
| | | | | y= | λ | | | |
| COMPUTED BY | A. C. Rauck, Jr. | DATE | 7/31/73 | COMPUTATION CHECKED BY | | F. R. Gustafson | DATE | 8/1/73 |
| LISTED BY | | DATE | | LISTING CHECKED BY | | | DATE | |
| HAND PLOTTING BY | | DATE | | HAND PLOTTING CHECKED BY | | | DATE | |

COMPILATION REPORT

T-12784

31. DELINEATION:

Delineation of all but 2 foul areas at the east side of this map, was graphic. Water center photographs and the small islands in the area made it necessary to compile graphically. This was accomplished only after 4 topo stations and 3 sub pts. for each was established by C. A. Burroughs, Cdr. in Oct. 1973. No hydro support photos could be prepared. See control report attached to this Descriptive Report.

32. CONTROL:

See the attached Photogrammetric Plot Report, dated July, 1973, and Item #31 above.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. No drainage was delineated.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details were delineated by office interpretation of the photographs.

The mean high water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

See Item 31 of this report and report of C. A. Burroughs, Cdr. dated Oct. 1973.

39. JUNCTIONS:

See the attached Form 76-36b, Item #5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangle: Mt. Fairweather (c-1), ALASKA, scale 1:63,360, dated 1949.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following Coast & Geodetic Survey chart: 8202, scale 1:209,978, 17th edition, Sept. 11, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck, Jr. FOR
Charles Parker
Cartographic Aid
Sept. 6, 1973

Approved:

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12784


Glacier Bay

North Marble Island

South Marble Island

Glacier Bay National Monument

Approved by:


Charles E. Harrington
Staff Geographer - C51x2

REVIEW REPORT
T-12784

SHORELINE

August 29, 1977

61. GENERAL STATEMENT:

See Summary which is Page 6 of this Descriptive Report.

Field inspection of North and South Marble Islands was requested in 1973 when the new stations were established. This request was not complied with.

No comparison print was made.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a copy of Survey T-6678, 1:20,000 scale, dated Aug.-Sept. 1939. Shoreline compared well. The only significant difference noted is that on T-12784 the islets on the north side of South Marble Island are connected to the main island. Comparisons of nearby areas with topographic maps of this era (1939-1940) hint that sometime between the topographic survey and this shoreline mapping project there has been some uplift. If this is true, the islets may very well be joined together and to South Marble Island by mean high water line.

Four foul areas mapped on T-12784 do not appear on the prior survey--one approximately 400 meters NNW of the north end of North Marble Island, one at the NW tip of South Marble Island, and two at the east edge of this map.

In the absence of Field Inspection or Field Edit, the statement that T-12784 supersedes T-6678 in the area compared cannot be made.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle MT. FAIRWEATHER (C-1), ALASKA, 1:63,360 scale, dated 1949. The same difference was noted here that is listed in Item 62 above.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None--no legible copy of the contemporary hydrographic survey was available for Final Review.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 17300 (8202), 1:209,978 scale, 20th edition, dated Jan. 1, 1977. The same difference noted in Item 62 above is also noted here.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

Charles H. Bishop

Charles H. Bishop
Cartographer
4 August 1977

Approved for forwarding: .

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

D.K. Langwood

Chief, Photogrammetric Branch

James C. ...

Chief, Coastal Mapping Div.