

T-12785 ORIGINAL

T-12785

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-12785

Classification No. Final Edition No. 1

Field Edited Map

LOCALITY

State Alaska

General Locality Glacier Bay

Locality Leland Islands

19 72 TO 19 73

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 Norfolk, Virginia | | SURVEY <u>TR 12785</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</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 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 _____ ZONE _____ | |
| III. HISTORY OF OFFICE OPERATIONS | | | |
| OPERATIONS | | NAME | DATE |
| 1. AEROTRIANGULATION BY _____ METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY _____ | | <u>D. C. Norman</u> | <u>Jul 1973</u> |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY _____ METHOD: <u>Coradomat</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: <u>Wild B-8</u> CONTOURS BY _____ SCALE: <u>1:15,000</u> CHECKED BY _____ | | <u>L. B. Foltz</u> <u>L. O. Neterer</u> <u>NA</u> <u>NA</u> | <u>Aug 1973</u> <u>Aug 1973</u> |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY _____ CHECKED BY _____ METHOD: <u>Smooth drafting</u> CONTOURS BY _____ CHECKED BY _____ SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY _____ CHECKED BY _____ | | <u>C. E. Blood</u> <u>A. L. Shands</u> <u>NA</u> <u>NA</u> <u>C. E. Blood</u> <u>A. L. Shands</u> | <u>Sep 1973</u> <u>Sep 1973</u> <u>Sep 1973</u> <u>Sep 1973</u> |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY _____ | | <u>A. L. Shands</u> | <u>Sep 1973</u> |
| 6. APPLICATION OF FIELD EDIT DATA BY _____ CHECKED BY _____ | | <u>J. R. Minton</u> <u>None</u> | <u>Mar 1975</u> |
| 7. COMPILATION SECTION REVIEW BY _____ | | <u>None</u> | |
| 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. Cator</u> | <u>Mar 1978</u> |

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12785
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------|----------|--------------------|-----------------------------------------------------------------------------------|
| CAMERA(S) Wild RC 8 "E" | | TYPES OF PHOTOGRAPHY LEGEND (C) COLOR <input checked="" type="checkbox"/> (P) PANCHROMATIC (I) INFRARED | | TIME REFERENCE | |
| TIDE STAGE REFERENCE JUNEAU <input checked="" type="checkbox"/> PREDICTED TIDES Willoughby Island <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | ZONE Pacific | <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT |
| | | | | MERIDIAN 120th | |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 72E(c) 4761 & 4762 | Jul 4 1973 | 14:25 | 1:30,000 | 3.3 ft. above MLLW | |
| 72E(c) 4779 - 4781 | Jul 4 1973 | 14:38 | 1:30,000 | 3.5 ft. above MLLW | |

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

Office interpretation of the above listed photographs, with the aid of sextant fixes taken by the field editor.

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-12779 | No survey | T-12792 & T-12793 | T-12784 |

REMARKS

T-12785
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 <input type="checkbox"/> SPECIFIC NAMES ONLY BY <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

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|--------------|--------------|---------------------|
| 70E(C)7741 | GOAT, 1938 | | |
| 70E(C)7755 | LITE, 1939 | | |

NOTE: Stations panelled in 1970 and are not visible on 1972 compilation photography.

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)

2 forms 152

T-12785
HISTORY OF FIELD OPERATIONS1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

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

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|--------------|--------------|---------------------|
| | | | |

3. PHOTO NUMBERS (Clarification of details)

72E (c) 4761-4762

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- Field Edit Ozalid
- 1- Signal Overlay
- 1- Field Edit Report

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

T-12785

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|------------------------------------------|----------|-----------|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Compilation complete pending field edit. | Sep 1973 | Class III | 9/17/73 | 9/14/73 |
| Field Edit applied, Compilation Complete | Mar 1975 | Class I | 3/10/75 | |
| Final Review prior to registration | Aug 1977 | Final map | 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 |
|--------|---------------------------------|-------------------|---------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

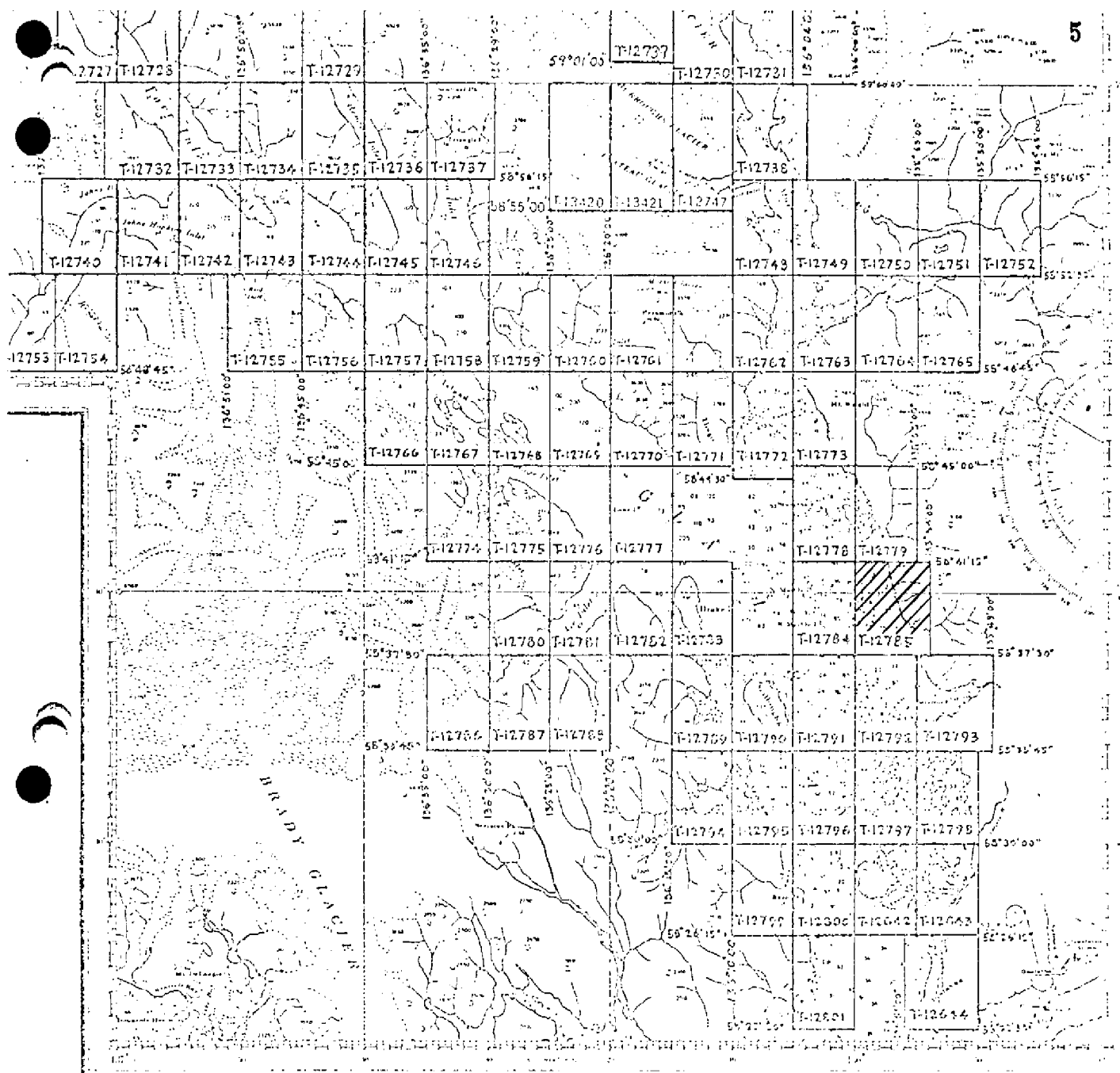
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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



REVISED 9-5-72 RWH

JOB PH-6502 GLACIER BAY ALASKA

Shoreline Mapping

SCALE 1:10,000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12785

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

The only field work done prior to compilation was the establishment and premarking of horizontal control required for bridging.

Aerotriangulation was done in Rockville in July 1973.

Compilation was done at the Atlantic Marine Center in September 1973. Hydrographic support data was prepared and forwarded to the field.

Field edit was accomplished in October 1973 and applied to the manuscript at the Atlantic Marine Center in March 1975.

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:

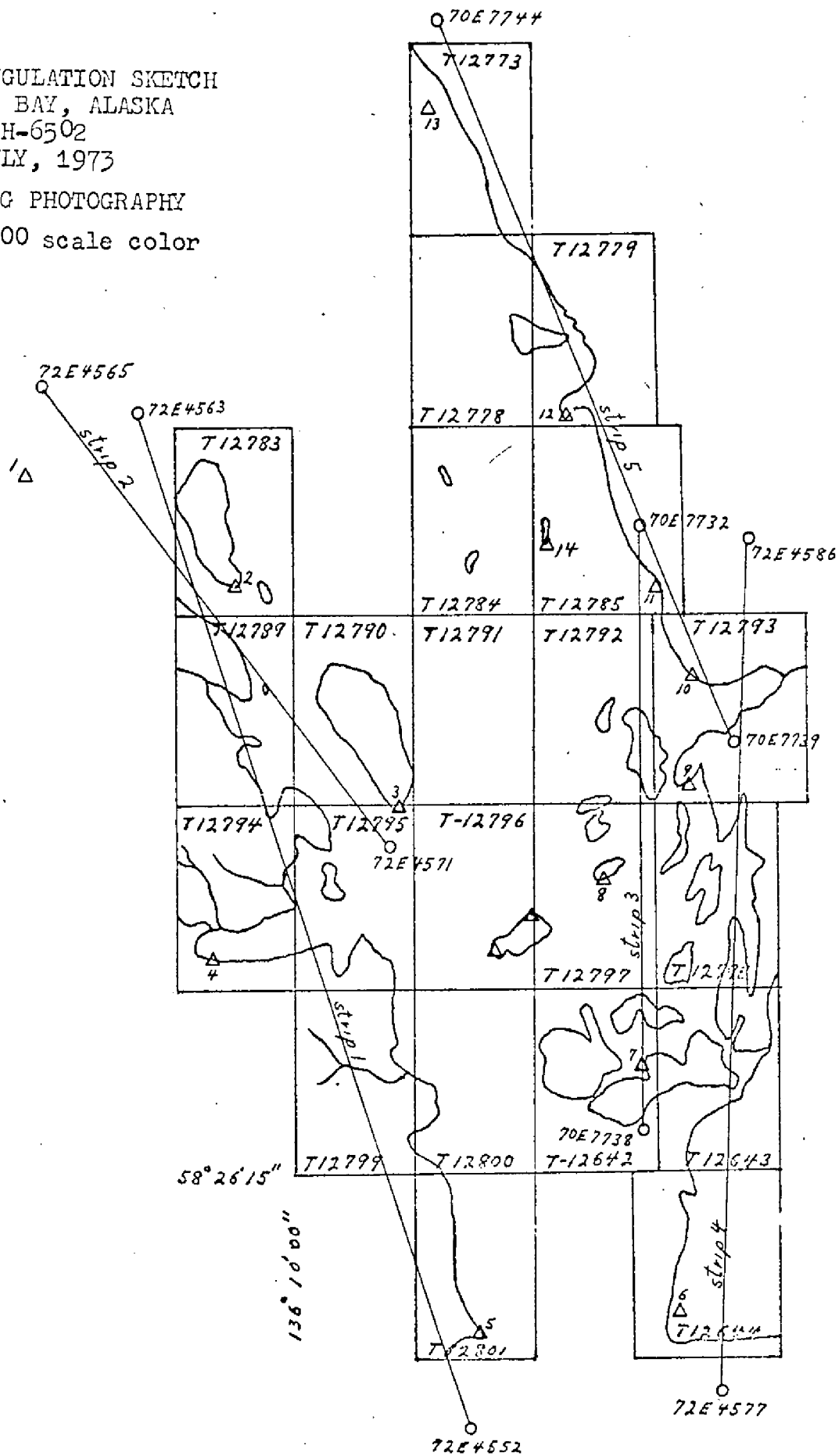
John D. Ferrow Jr.

John D. Ferrow, Jr.

Chief, Aerotriangulation
Section

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

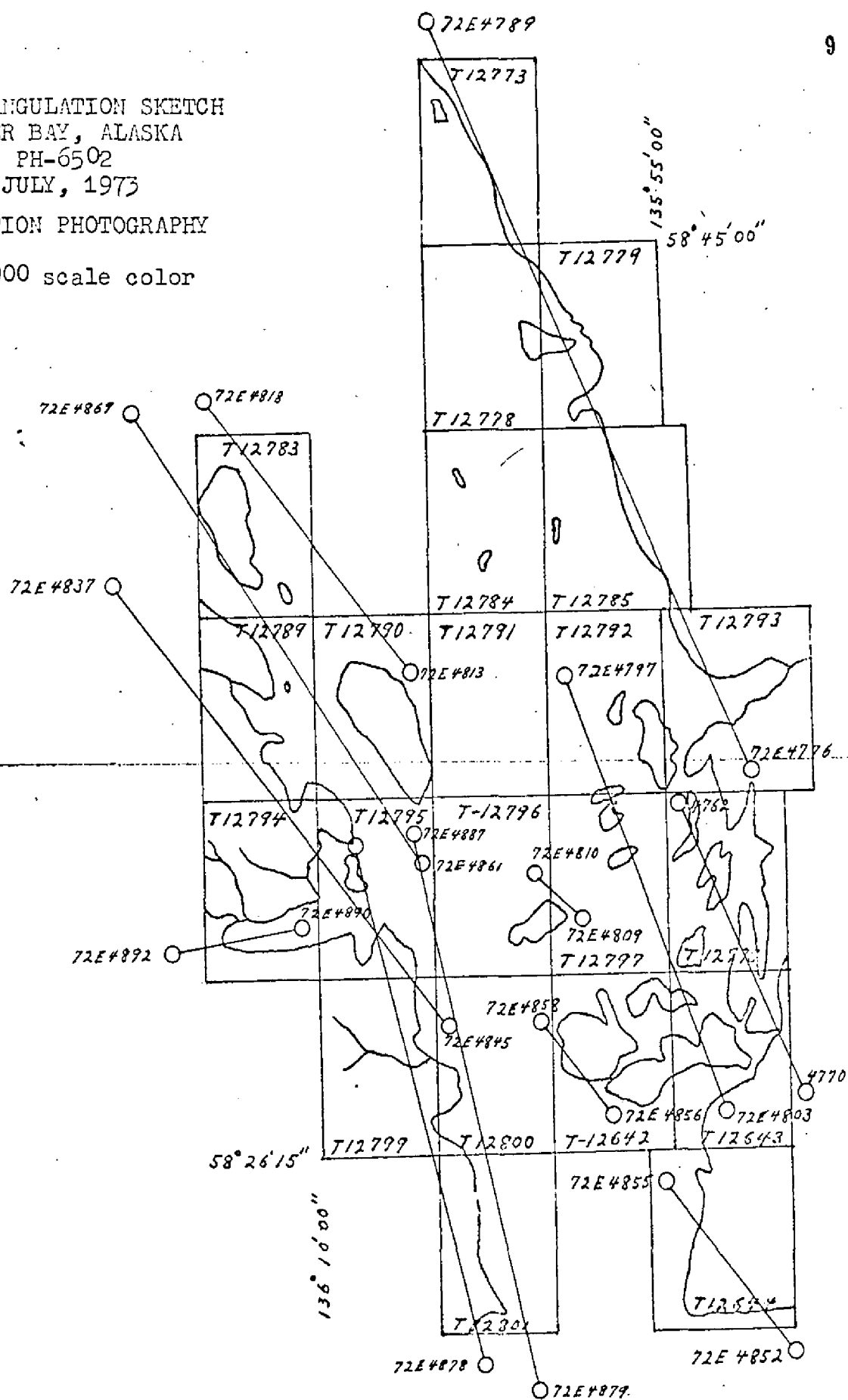
BRIDGING PHOTOGRAPHY
01:40000 scale color



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 SNOWWHITE, 1970 (-0.5, -0.1)

T-12785

DESCRIPTIVE REPORT CONTROL RECORD

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

| MAP NO. | JOB NO. | PH-6502 | AEROTRI- ANGULATION POINT NUMBER | SOURCE OF INFORMATION (Index) | COORDINATES IN FEET STATE Alaska ZONE I | NA 1927 | ORIGINATING ACTIVITY Division, Norfolk, Va. | REMARKS FORWARD BACK |
|------------------|------------------|---------|-------------------------------------------|-------------------------------------|-----------------------------------------------|-----------------|------------------------------------------------|-------------------------|
| | | | | G.P.VOL 3 | X= | φ 58 38 59.016 | | 1826.0 (30.4) |
| | | | | P. 804 | Y= | λ 135 59 12.739 | | 205.5 (762.6) |
| | | | | G.P.VOL 3 | X= | φ 58 38 58.038 | | 1795.8 (60.7) |
| | | | | P. 804 | Y= | λ 135 55 59.374 | | 957.6 (10.5) |
| | | | | G.P.VOL 3 | X= | φ 58 37 51.567 | | 1595.6 (260.9) |
| | | | | P. 790 | Y= | λ 135 55 18.447 | | 297.7 (670.9) |
| | | | | G.P.VOL 3 | X= | φ 58 41 10.563 | | 326.8 (1529.7) |
| | | | | P. 804 | Y= | λ 135 57 20.088 | | 323.6 (643.0) |
| | | | | | 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 | A. C. Rauck, Jr. | DATE | 7/31/73 | COMPUTATION CHECKED BY | Charles Parker | DATE | Aug. 2, 1973 | |
| LISTED BY | | DATE | | LISTING CHECKED BY | | DATE | | |
| HAND PLOTTING BY | | DATE | | HAND PLOTTING CHECKED BY | | DATE | | |

COMPILATION REPORT

T-12785

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color photography. Coverage was adequate.

32. CONTROL:

See the attached Photogrammetric Plot Report, dated July, 1973.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

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

36. OFFSHORE DETAILS:

The Leland Islands area was compiled graphically by office interpretation of offshore photographs.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

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: Juneau (c-6), Alaska, scale 1:63,360, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Charles E. Blood
Charles E. Blood
Cartographic Technician
Sept. 11, 1973

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

T-12785

FIELD EDIT

Field edit in general was adequate. However, many sextant fixes were difficult to plot because signals used were on four maps.

Apparently the editor used the word "foul" for "foreshore"--this was assumed by the compiler and final reviewer.

Fixes designated by the field editor as "edge of foul--covered 6 ft." around a reef at approximate Lat. $58^{\circ} 38.6'$, Long. $135^{\circ} 55.3'$ were disregarded because:

1. "Covered 6 ft." reduces to "5 ft. above MLLW".
2. The fix positions are at or offshore from the waterline on photographs taken at a 3.5 ft. stage of tide. An elevation of 5 feet can not be at the plotted position of these fixes.

A reef symbol is shown around this feature, with an elevation above MLLW given for the high point.

Charles H. Bishop
Final Reviewer
August 10, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12785

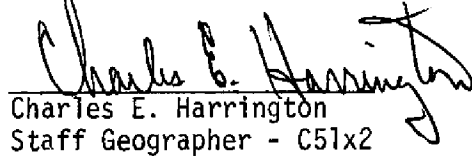
Glacier Bay

Leland Islands

York Creek

Glacier Bay National Monument

Approved by:


Charles E. Harrington
Staff Geographer - C51x2

| NOAA FORM 75-74 (7-75) | | U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------|
| PHOTOGRAMMETRIC OFFICE REVIEW TP - T-12785 | | | |
| 1. PROJECTION AND GRIDS ALS | 2. TITLE ALS | 3. MANUSCRIPT NUMBERS ALS | 4. MANUSCRIPT SIZE ALS |
| CONTROL STATIONS | | | |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA | | 7. PHOTO HYDRO STATIONS NA |
| 8. BENCH MARKS NA | 9. PLOTTING OF SEXTANT FIXES NA | 10. PHOTOGRAMMETRIC PLOT REPORT ALS | 11. DETAIL POINTS ALS |
| ALONGSHORE AREAS (Nautical Chart Data) | | | |
| 12. SHORELINE ALS | 13. LOW-WATER LINE ALS | 14. ROCKS, SHOALS, ETC. ALS | 15. BRIDGES ALS |
| 16. AIDS TO NAVIGATION ALS | 17. LANDMARKS ALS | 18. OTHER ALONGSHORE PHYSICAL FEATURES ALS | 19. OTHER ALONGSHORE CULTURAL FEATURES ALS |
| PHYSICAL FEATURES | | | |
| 20. WATER FEATURES ALS | 21. NATURAL GROUND COVER NA | | 22. PLANETABLE CONTOURS NA |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS NA | 24. CONTOURS IN GENERAL NA | 25. SPOT ELEVATIONS NA | 26. OTHER PHYSICAL FEATURES ALS |
| CULTURAL FEATURES | | | |
| 27. ROADS ALS | 28. BUILDINGS ALS | 29. RAILROADS ALS | 30. OTHER CULTURAL FEATURES ALS |
| BOUNDARIES | | | |
| 31. BOUNDARY LINES NA | | 32. PUBLIC LAND LINES NA | |
| MISCELLANEOUS | | | |
| 33. GEOGRAPHIC NAMES ALS | 34. JUNCTIONS ALS | | 35. LEGIBILITY OF THE MANUSCRIPT ALS |
| 36. DISCREPANCY OVERLAY ALS | 37. DESCRIPTIVE REPORT ALS | 38. FIELD INSPECTION PHOTOGRAPHS ALS | 39. FORMS ALS |
| 40. REVIEWER <i>A. L. Shands</i> A. L. Shands 9/14/73 | | SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr. | |
| 41. REMARKS (See attached sheet) | | | |
| FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT | | | |
| 42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43. | | | |
| COMPILER <i>James R. Minton</i> J. R. Minton 3/10/75 | | SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr. | |
| 43. REMARKS see form 76-36c, Item 8 | | | |

FIELD EDIT REPORTS
Glacier Bay, Alaska
OPR-460
Fall, 1973

INTRODUCTION

Field edit reports are attached for the following maps; T-12772, T-12773, T-12778, T-12779, T-12785, and T-12793. Field photographs and copies of the field edit ozalids were taken into the field. Sextant fixes were plotted on the signal overlays and transferred to the ozalids. Height data for all rocks, ledges, and reefs is either written directly on the ozalid or referenced by fix number to the attached sheets. Due to the limited number of negative tides during the survey, much of this field edit was done at higher tides than would normally be used.

Notes have been made in violet on the ozalids, with deletions in green. All times are based on the 105° W. meridian.

Compilation of the maps is good. Any discrepancies are noted. It is recommended that the maps be revised in accordance with notes on the ozalids and on the attached sheets before acceptance as advanced manuscripts. Field inspection of these maps is complete.

Respectfully submitted,

Frank P. Rossi

for Andrew D. Snella
ENS, NOAA

Approved and forwarded:

Charles A. Burroughs
Charles A. Burroughs
CDR, NOAA
Comdg., Ship FAIRWEATHER

773
777
785

FIELD EDIT REPORT

Map T-12785
Leland Island,
Glacier Bay, Alaska
October, 1973

Field edit of map T-12785 was done by ENS Andrew Snella during October 1973. Inspection was done from a small boat and on foot when fixes on land were needed.

METHOD

Field photographs and a copy of the field edit ozalid were examined in the field. Mean high water line verification was done by visual comparison of the shore and the ozalid in the field. Sextant fixes were used for verification and location of rocks and reefs in the area. The height data is written directly on the ozalid, or is referenced by fix number to the attached sheets. Station GOAT was recovered "under moss, dirt, and shrubbery within the brush" as described in the 1970 recovery note. All times are based on the 105° W. meridian.

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of details compares well with photogrammetric location.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid and the fix information, and then be accepted as an advanced manuscript.

Respectfully submitted,

Frank P. Rossi

for Andrew Snella
ENS, NOAA

Approved and forwarded:

Charles A. Burroughs
Charles A. Burroughs

CDR, NOAA
Comdg., NOAA Ship FAIRWEATHER

REVIEW REPORT
T-12785

SHORELINE

August 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report.

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 August-September 1939. No significant difference with shoreline on the east side of Glacier Bay was noted. The reef 400 meters north-northwest of the mouth of York Creek was not mapped on the prior survey. The MHW line of Leland Islands on T-6678 is inshore from the MHW line on T-12785.

In the area compared, T-12785 supersedes T-6678 for nautical chart construction purposes. T-6678 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle JUNEAU (C-6), ALASKA, 1:63,360 scale, dated 1948. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

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

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 17300 (8202), 1:209,978 scale, 20th edition, dated Jan. 1, 1977. No significant difference was noted.

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:

Charles H. Bishop

Charles H. Bishop
Cartographer
August 10, 1977

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

A. L. Hargood

Chief, Photogrammetric Branch

James L. Githen

Chief, Coastal Mapping Div.