**NOAA FORM 76-35**

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

### DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td>PH-6502</td>
</tr>
<tr>
<td>Map No.</td>
<td>T-12785</td>
</tr>
<tr>
<td>Field Edited Map</td>
<td></td>
</tr>
<tr>
<td>Classification No.</td>
<td>Final</td>
</tr>
<tr>
<td>Edition No.</td>
<td>1</td>
</tr>
</tbody>
</table>

### LOCALITY

- **State**: Alaska
- **General Locality**: Glacier Bay
- **Locality**: Leland Islands

**1972 TO 1973**

### REGISTRY IN ARCHIVES

**DATE**

© U.S. GOVERNMENT PRINTING OFFICE: 1972.781.182
## DESCRIBTIVE REPORT - DATA RECORD

### PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Norfolk, Virginia

### OFFICER-IN-CHARGE
Jeffrey G. Carlen, CDR

## I. INSTRUCTIONS DATED

### 1. OFFICE
- Aerotriangulation: May 18, 1973
- Compilation-Supp. II: June 14, 1973
- Final Review: June 3, 1977

### 2. FIELD
Feb. 17, 1970

## II. DATUMS

### 1. HORIZONTAL:
- [ ] 1927 North American
- [ ] Mean High-Water
- [ ] Mean Low-Water
- [ ] Mean Lower Low-Water
- [ ] Mean Sea Level

### 2. VERTICAL:

### 3. MAP PROJECTION
Polyconic

### 4. GRID(S)
STATE: Alaska
ZONE: 1

### 5. SCALE
1:10,000

## III. HISTORY OF OFFICE OPERATIONS

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AEROTRIANGULATION</td>
<td>D. C. Norman</td>
<td>Jul 1973</td>
</tr>
<tr>
<td>METHOD: Analytic</td>
<td>LANDMARKS AND AIDS BY</td>
<td></td>
</tr>
<tr>
<td>2. CONTROL AND BRIDGE POINTS</td>
<td>Allen</td>
<td>Jul 1973</td>
</tr>
<tr>
<td>METHOD: Corodomat</td>
<td>PLOTTED BY</td>
<td></td>
</tr>
<tr>
<td>3. STEREOSCOPIC INSTRUMENT COMPILATION</td>
<td>L. B. Foltz</td>
<td>Aug 1973</td>
</tr>
<tr>
<td>INSTRUMENT: Wild B-8</td>
<td>PLANIMETRY BY</td>
<td></td>
</tr>
<tr>
<td>SCALE: 1:15,000</td>
<td>CHECKED BY</td>
<td></td>
</tr>
<tr>
<td>4. MANUSCRIPT DELINEATION</td>
<td>C. E. Blood</td>
<td>Sep 1973</td>
</tr>
<tr>
<td>METHOD: Smooth drafting</td>
<td>PLANIMETRY BY</td>
<td></td>
</tr>
<tr>
<td>SCALE: 1:10,000</td>
<td>CHECKED BY</td>
<td></td>
</tr>
<tr>
<td>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</td>
<td>A. L. Shands</td>
<td>Sep 1973</td>
</tr>
<tr>
<td>METHOD:</td>
<td>CONTOURS BY</td>
<td></td>
</tr>
<tr>
<td>LOCATION: 3</td>
<td>CHECKED BY</td>
<td></td>
</tr>
<tr>
<td>6. APPLICATION OF FIELD EDIT DATA</td>
<td>J. R. Minton</td>
<td>Mar 1975</td>
</tr>
<tr>
<td>METHOD: None</td>
<td>HYDRO SUPPORT DATA BY</td>
<td></td>
</tr>
<tr>
<td>LOCATION: 1</td>
<td>CHECKED BY</td>
<td></td>
</tr>
<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td>C. H. Bishop</td>
<td>Aug 1977</td>
</tr>
<tr>
<td>METHOD: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOCATION: 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. FINAL REVIEW</td>
<td>C. H. Bishop</td>
<td>Dec 1977</td>
</tr>
<tr>
<td>METHOD: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOCATION: 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</td>
<td>J. B. Phillips</td>
<td>Jan 1978</td>
</tr>
<tr>
<td>METHOD:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOCATION: 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
<td>E. T. Caster</td>
<td>Mar 1977</td>
</tr>
<tr>
<td>METHOD:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOCATION: 5</td>
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<td></td>
</tr>
</tbody>
</table>
1. **Compilation Photography**

<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>72E(c) 4761 &amp; 4762</td>
<td>Jul 4 1973</td>
<td>14:25</td>
<td>1:30,000</td>
<td>3.3 ft. above MLLW</td>
</tr>
<tr>
<td>72E(c) 4779 - 4781</td>
<td>Jul 4 1973</td>
<td>14:38</td>
<td>1:30,000</td>
<td>3.5 ft. above MLLW</td>
</tr>
</tbody>
</table>

**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.)*

<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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<tbody>
<tr>
<td></td>
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</table>

5. **Final Junctions**

<table>
<thead>
<tr>
<th>NORTH</th>
<th>EAST</th>
<th>SOUTH</th>
<th>WEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-12779</td>
<td>No survey</td>
<td>T-12792 &amp; T-12793</td>
<td>T-12784</td>
</tr>
</tbody>
</table>

**Remarks**
HISTORY OF FIELD OPERATIONS

1. **FIELD INSPECTION OPERATION**

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief of Field Party</td>
<td>J. Watkins, Jr.</td>
<td>Jun 1970</td>
</tr>
<tr>
<td>Horizontal Control</td>
<td>J.C.B. &amp; W.A.H.</td>
<td>Jun 1970</td>
</tr>
<tr>
<td>Vertical Control</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Landmarks and Aids to Navigation</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

2. **SOURCE DATA**

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>70E(C)741</td>
<td>GOAT, 1938</td>
<td>70E(C)755</td>
<td>LITE, 1939</td>
</tr>
</tbody>
</table>

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

III. SOURCE DATA

1. Horizontal Control Identified

2. Vertical Control Identified

III. SOURCE DATA

3. Photo Numbers (Clarification of details)

4. Landmarks and Aids to Navigation Identified

5. Geographic Names: □ Report □ None

6. Boundary and Limits: □ Report □ None

7. Supplemental Maps and Plans

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

2 forms 152
### HISTORY OF FIELD OPERATIONS

1. **FIELD OPERATION**
   - **NAME:** C. Burroughs
   - **DATE:** Oct 1973

2. **RECOVERED BY:** None
   - **PRE-MARKED OR IDENTIFIED BY:** None

3. **RECOVERED BY:** NA
   - **PRE-MARKED OR IDENTIFIED BY:** NA

4. **RECOVERED (Triangulation Stations) BY:** NA
   - **LOCATED (Field Methods) BY:** NA

5. **TYPE OF INVESTIGATION**
   - **COMPLETE:** None
   - **SPECIFIC NAMES ONLY:** None
   - **NO INVESTIGATION:** None

6. **PHOTO INSPECTION**
   - **CLARIFICATION OF DETAILS BY:** A. Snella
   - **DATE:** Oct 1973

7. **BOUNDARIES AND LIMITS**
   - **SURVEYED OR IDENTIFIED BY:** None

### SOURCE DATA

1. **HORIZONTAL CONTROL IDENTIFIED**
   - **TYPE:** None

2. **VERTICAL CONTROL IDENTIFIED**
   - **TYPE:** NA

### PHOTO NUMBERS

- **(Clarification of details)**
  - **72E (c) 4761-4762**

### LANDMARKS AND AIDS TO NAVIGATION

- **IDENTIFIED BY:** None

### GEOGRAPHIC NAMES

- **REPORT:** None
- **NONE:** None

### BOUNDARY AND LIMITS

- **REPORT:** None
- **NONE:** None

### SUPPLEMENTAL MAPS AND PLANS

- **REPORT:** None
- **NONE:** None

### OTHER FIELD RECORDS

- **(Sketch books, etc. DO NOT list date submitted to the Geodetic Division)**
  - **1- Field Edit Ozid**
  - **1- Signal Overlay**
  - **1- Field Edit Report**
### 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 pending field edit</td>
<td>Sep 1973</td>
<td>Class III</td>
<td>9/17/73</td>
<td>9/14/73</td>
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<tr>
<td>Field Edit applied, Compilation Complete</td>
<td>Mar 1975</td>
<td>Class I</td>
<td>3/10/75</td>
<td></td>
</tr>
<tr>
<td>Final Review prior to registration</td>
<td>Aug 1977</td>
<td>Final map</td>
<td></td>
<td>Nov. 1977</td>
</tr>
</tbody>
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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>
</tr>
</thead>
</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

2. [x] Control Station Identification Cards; [☐] Form Nos. 567 Submitted by Field Parties.
3. [x] 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.)

<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>
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<td></td>
<td></td>
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<td></td>
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<td></td>
<td>Revised</td>
<td>II, III, IV, V,</td>
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<tr>
<td>Third</td>
<td></td>
<td></td>
<td>Revised</td>
<td>II, III, IV, V,</td>
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<tr>
<td>Fourth</td>
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<td>Revised</td>
<td>II, III, IV, V,</td>
</tr>
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</table>

NOAA Form 76-36D
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


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

Approved by:

John D. Ferrow, Jr.
Chief, Aerotriangulation
Section
AEROTRIANGULATION SKETCH
GLACIER BAY, ALASKA
PH-6502
JULY, 1973
COMPILATION PHOTOGRAPHY
○ 1:30000 scale color
CLACIER 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)
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROMETRIC ANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LITE, 1939</td>
<td>G.P.VOL 3</td>
<td>P. 804</td>
<td>X=</td>
<td>φ 58 38 59.016</td>
<td>1826.0  ( 30.4)</td>
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<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 135 59 12.739</td>
<td>205.5  ( 762.6)</td>
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<td>DARK, 1939</td>
<td>G.P.VOL 3</td>
<td>P. 804</td>
<td>X=</td>
<td>φ 58 38 58.038</td>
<td>1795.8  ( 60.7)</td>
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<td>y=</td>
<td>λ 135 55 59.374</td>
<td>957.6  ( 10.5)</td>
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<tr>
<td>GOAT, 1938</td>
<td>G.P.VOL 3</td>
<td>P. 790</td>
<td>X=</td>
<td>φ 58 37 51.567</td>
<td>1595.6  ( 260.9)</td>
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<td>y=</td>
<td>λ 135 55 18.447</td>
<td>297.7  ( 670.9)</td>
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<td>YAWL, 1939</td>
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<td>P. 804</td>
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<td>φ 58 41 10.563</td>
<td>326.8  (1529.7)</td>
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<td>y=</td>
<td>λ 135 57 20.088</td>
<td>323.6  ( 643.0)</td>
</tr>
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</table>

COMPUTED BY: A. C. Rauck, Jr.  DATE: 7/31/73  COMPUTATION CHECKED BY: Charles Parker  DATE: Aug. 2, 1973
LISTED BY:  DATE:  HAND PLOTTING BY:  DATE:
31. **DELINEATION:**

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

32. **CONTROL:**


33. **SUPPLEMENTAL DATA:**

None.

34. **CONTOURS AND DRAINAGE:**

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

35. **SHORELINE AND ALONGSHORE DETAILS:**

Alongshore details were delineated by the Wild B-8 stereoplottter 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
Cartographic Technician
Sept. 11, 1973

Approved:
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° 38.6', Long. 135° 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 cannot 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
PHOTOGRAMMETRIC OFFICE REVIEW
TR - 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. PLANETARY 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
    A. L. Shands 9/14/73

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
James R. Minton 3/10/75

SUPERVISOR
Albert C. Rauck, Jr.

43. REMARKS
   see form 76-36c, Item 8
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,

[Signature]

for Andrew D. Snella
ENS, NOAA

Approved and forwarded:

[Signature]

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

Andrew Snella
ENS, NOAA

Approved and forwarded:

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
Cartographer
August 10, 1977

Approved for forwarding:

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.