

T-12761

ORIGINAL

T-12761

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-12761  
Classification No. II Edition No. I

### LOCALITY

State ALASKA  
General Locality Glacier Bay  
Locality Tidal Inlet, Head of

19 64 TO 19 67

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC Norfolk, VA		SURVEY TP. <u>12761</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>II</u> JOB PH. <u>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 PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			

I. INSTRUCTIONS DATED	
1. OFFICE	2. FIELD
Compilation - January 5, 1970  Final Review - June 3, 1977	

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 <u>1:10,000</u>	STATE _____ ZONE _____

III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY _____	G.M. Ball	8/65
METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY _____		
2. CONTROL AND BRIDGE POINTS PLOTTED BY _____		
METHOD: _____ CHECKED BY _____		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY _____	A. Shands	5/70
COMPILATION CHECKED BY _____	L. Neterer, Jr.	5/70
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY _____	NA	
SCALE: <u>1:15,000</u> CHECKED BY _____	NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY _____	L. Neterer, Jr.	12/74
CHECKED BY _____	C. Parker	1/75
METHOD: <u>Smooth drafted</u> CONTOURS BY _____	NA	
CHECKED BY _____	NA	
SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY _____	NA	
CHECKED BY _____	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY _____		
6. APPLICATION OF FIELD EDIT DATA BY _____		
CHECKED BY _____		
7. COMPILATION SECTION REVIEW BY _____	C. Parker	1/75
8. FINAL REVIEW BY _____	C. H. Bishop	8/77
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY _____	C. H. Bishop	Dec. 1977
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY _____	J. B. Phillips	Jan. 1978
11. MAP REGISTERED - COASTAL SURVEY SECTION BY _____	R. T. Carter	Mar. 1978

NOAA FORM 76-36B  
(3-72)T-12761  
COMPILATION SOURCESU. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-9 "M"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE JUNEAU		(C) COLOR (P) PANCHROMATIC X (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES Composite Island				8	<input type="checkbox"/> DAYLIGHT
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				120th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
64M(P) 3764-3765	6/12/64	12:32	1:40,000	1.9 ft. above MLLW	

REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW Line was compiled as indicated by the field inspector on contact photo 64M(P) 3766.

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

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
No Survey	No Survey	T-12770	T-12760

REMARKS

NOAA FORM 76-36C  
(3-72)

T-12761

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

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Houlder	10/64
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 ( <i>Triangulation Stations</i> ) BY LOCATED ( <i>Field Methods</i> ) 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	W. H. Shearouse
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	8/64

## 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*)

64M(P) 3766

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 Inspection Report

NOAA FORM 76-36D  
(3-72)T-12761  
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Dec, 1974	Class III manuscript Superseded		
1964 Field Inspection applied; Comp. complete	Aug, 1977	Class II		
Final Review	Aug, 1977	Class II	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

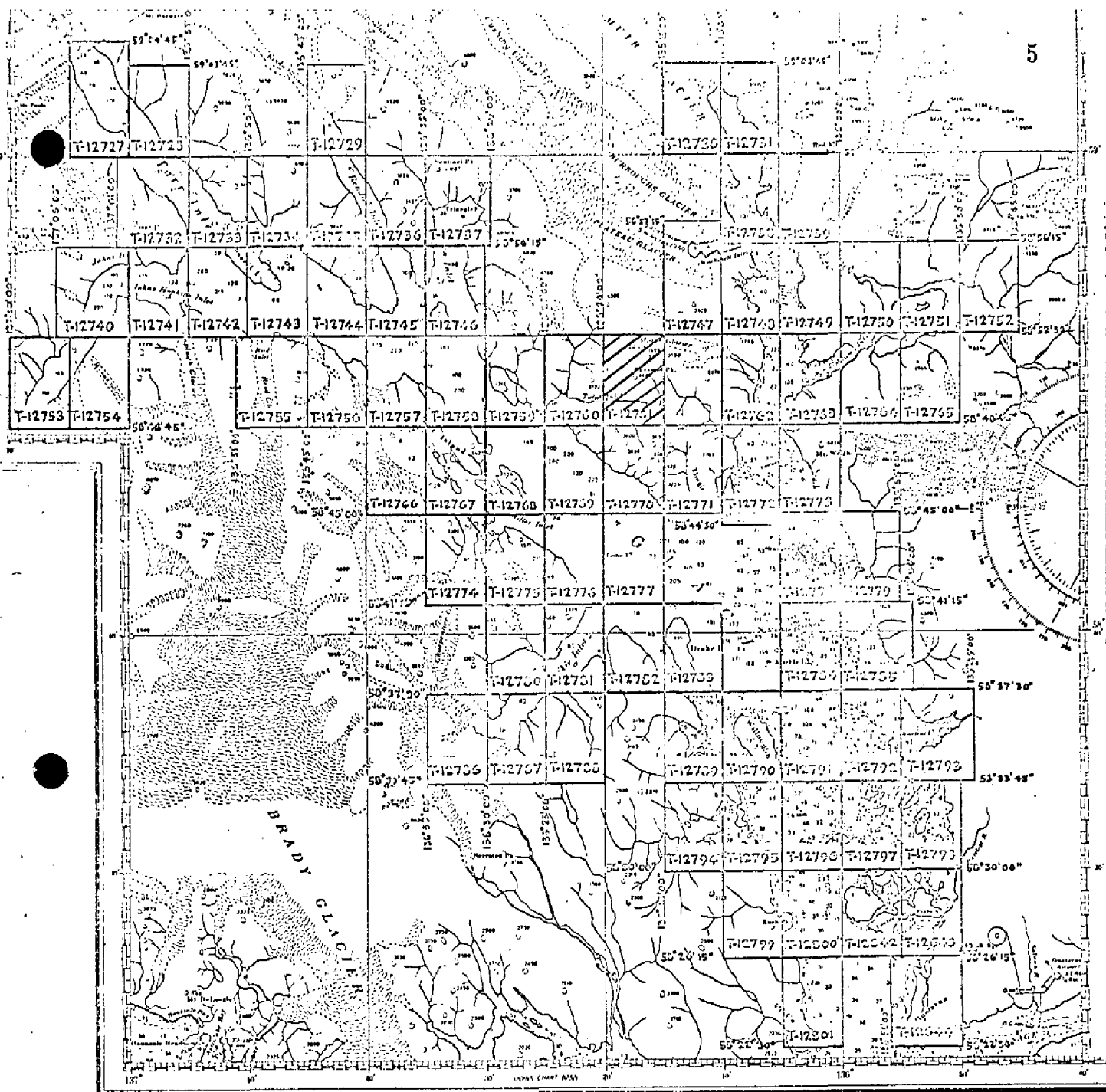
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## 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	



JOB PH-6502  
GLACIER BAY  
ALASKA

Shoreline Mapping

SCALE 1:10,000

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-12761

This 1:10,000 scale shoreline manuscript is one of 80 maps that comprise Project PH-6502, which covers Glacier Bay and its tributaries. This map is at the east end of Tidal Inlet, on the northeast side of Glacier Bay.

Field inspection was accomplished in August, 1964 by an experienced photogrammetrist. No horizontal control was identified.

Aerotriangulation was done in Rockville in August, 1965.

Compilation was done at the Atlantic Marine Center in May, 1970.

There was no field edit of this map.

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

The original manuscript was forwarded for processing a positive film copy 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.

USC&amp;GSS LESTER JONES

11 September 1964

## FIELD INSPECTION REPORT

## Project 21423 - Glacier Bay

2. AREAL FIELD INSPECTION

No map numbers appear on the Project Diagram for this part of Glacier Bay which includes inspection of the islands and bays on the west side from the south end of Willoughby Island northward to Tlingit Point, then both shores northwestward to Tidal Inlet on the north, Gilbert Island and Hugh Miller Inlet on the south.

There are no populated places. All the area lies within the Glacier Bay National Monument and is managed by the National Park Service. A pamphlet regarding the Monument is enclosed, herewith.

The shoreline varies from that at the base of rock bluffs or steep slopes, where there is no beach, to the irregular type where there are numerous indentations, ledge out-croppings and narrow gravel and boulder-strewn beaches.

There are two major inlets on the southeast shore, (Geikie and Hugh Miller -CHarpentier) and one on the north (Tidal). At the heads of these inlets and the principal coves off them are tidal flats probably caused by streams flowing from the receding glaciers. These are gravel and silt. The one at the head of Geikie Inlet is near the base of a glacier partly visible on the photographs - 64M 3752 and 3753. It is interesting to note the large "mountains" of loose gravel on the north side evidently left by the receding glacier.

Field inspection was of necessity rather hurriedly done due to a bad weather period and completion deadline. However, practically the entire shoreline was covered and inspection is believed to be adequate.

Field inspection notes will be found on the following 1:40,000 scale photographs: 64M 3646, 3651, 3652, 3661, 3662, 3663, 3665 thru 3670, 3682, 3684, 64M 3748 thru 3750, 3755 thru 3757, 3761 thru 3764, 3766 thru 3768.

The photography is of excellent quality with no significant problems as to definition or interpretation. Coverage is complete except for Lone Island, a small island approximately midway between north and south shores in Glacier Bay. Triangulation Station Lone 1939 at Lat.  $58^{\circ} 43' 20.492''$ , Long.  $136^{\circ} 17' 35.614''$ , is on the island. About half of the island is visible on photo 64M 3757.

3. HORIZONTAL CONTROL

Photogrammetric plot requirements are believed to be satisfied by (1) recovery and identification of existing stations as called for on the project diagram and (2) establishment and identification of two new stations by triangulation methods.

Enlargements of sections of the 1:40,000 scale contact photographs were furnished for identification of several of the required control stations. These proved very useful. However, enlargements were not received for Stations: STAR, ELSE, OPEN and DRAKE on flight strip No. 3. These were identified on the contact photos.

The two stations established are RAMA and ACE. Positions are furnished with project data. These stations marks were set in 1944 by S.B.G., but the season apparently ended before positions were determined.



### 3. Cont.

One required station could not be found. In place of it, (DINGO), nearby station KNOB was identified.

All stations recovered and identified are Coast and Geodetic Survey stations except HUGH MILLER EAST BASE 1907 and GLOOMY 1907, which were established by the International Boundary Commission.

Note: The U. S. Geological Survey is in process of publishing new quadrangular maps of the northwest part of Glacier Bay, the field work having been done in the early 1960's. It is believed that they established additional horizontal control that may prove useful to future surveys northward of our 1964 work. It is suggested that this be investigated before the next seasons work is begun.

### 4. VERTICAL CONTROL

Inapplicable.

### 5. CONTOURS AND DRAINAGE

Contours are inapplicable.

The photographs show many small streams flowing down the mountains from the melting snow and ice. Many were labelled but thorough check was not attempted. The photographs were taken in June when the runoff was building to its height and the streams are readily seen. It is felt that they should be delineated "Perennial", as the snow and ice melts all summer, never entirely dissipating in most areas.

### 6. WOODLAND COVER

Except where covered by snow, the wooded areas are obvious on the photographs. Usually where there is a beach, it is fringed with dense alder. The alder seems to be gaining in its northward growth as the glaciers recede. It is thick and tall and is worthy of being mapped as trees or woods and has been so labelled numerous times. Other trees are mostly conifers with some deciduous here and there.

### 7. SHORELINE AND ALONGSHORE FEATURES

These were visually inspected from a skiff running close to shore.

Mean high-water line has been indicated by dashes in red ink on the photographs. An attempt was made to place the ink line in its true position as viewed from the skiff. In some instances the compiler, working under more favorable conditions can delineate the line more accurately, particularly with regards small indentures and added character that will readily be seen on large scale photos or plates. At times, notes were made indicating that the mean high-water line was obvious, such as at the base of a bare rock mountain where high-water and low-water lines are synonymous, or practically so. Along numerous stretches of shoreline where there is a narrow beach, the mean high-water line lies against the vegetation; other stretches find the line offshore 3 to 5 meters from the vegetation. Notes cover most of these cases.

The photographs were taken at or near low-water. The low-water line is obvious and has been indicated as approximate with green dots at many places.

7. Cont.

A large part of the inspection was done at low tide and the fore-shore classified at that time. It is reasonably thorough and accurate.

There are no man-made shoreline structures. Many protruding ledges are visible, a large number being labelled.

There is no "apparent" shoreline.

Mean high-water lines crossing the tidal flats have been labelled "approximate". The line as shown was arrived at by observing (1) slight change of photographic tone, (2) crossing the flat from a snow line which comes down to high water, (3) detecting a tiny streak of debris deposited at high-water, or (4) accomplishing the inspection at or near high water.

8. OFFSHORE FEATURES

Rocks and a few shoals constitute the offshore features. These were visited and labelled. Height of rocks above mean high-water was obtained by carefully estimating the amount (in feet) that is above the high-water markings on the rock, or the height bare at hour and date of inspection. Time did not permit accurately measuring these features but it is believed they are labelled within a foot or two of true heights.

Refer to item 7 for a discussion of low-water line and foreshore.

9. LANDMARKS

None

10. BOUNDARIES, MONUMENTS AND LINES

Inapplicable.

11. OTHER CONTROL

None established.

12. OTHER INTERIOR FEATURES

None.

13. GEOGRAPHIC NAMES

No systematic investigation was made. No conflicts or new names came to light during the course of the work. It is suggested that comparison of charted names be made with the latest U. S. Geological Survey quadrangals.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

None.

15. SUMMARY

The recovery and identification of horizontal control was completed for the central section of Glacier Bay between Willoughby Island and Gilbert Island. Field inspection of this area was also completed.

It appears that it will be necessary to establish an extensive sea level control scheme northwest of Gilbert Island and in Tarr Inlet in order to meet photogrammetric and hydrographic requirements. The only stations in this area are 1909 IBC stations on mountains peaks normally covered with snow thus difficult to recover and impossible to identify on the photography. In order to comply with 2nd order specifications, this scheme should start in central Glacier Bay at stations CASE and GEIKIE and should consist of a combination of triangulation and electronic traverse.

*William H. Shearouse*

William H. Shearouse  
Cartographer

Approved and Forwarded

*Richard H. Houlder*

Richard H. Houlder, LCDR, USC&GS

Stations which were recovered, or searched for, or established, and/or identified are tabulated below.

STATION NAME	RECOVERED	IDENTIFIED	PHOTO NO.
JILL 1938	yes	yes	64 M 3692 (enlarg)
NONE 1938	yes	no	
ALUM 1938	yes	no	
TREE 1938	yes	no	
SPIT, 1938	yes	no	
STAR 1938	yes	yes	64 M 3653 (contact)
EVER 1939	yes	yes	64 M 3661 (enlarg)
ELSE 1939	yes	yes	64 M 3649 (enlarg)
VENT 1939	yes	no	
SINK 1939	yes	no	
FRANK 1939	yes	no	
OPEN 1939	yes	yes	64 M 3649 (contact)
GOLD 1939	yes	no	
JUST 1939	yes	no	
DUCE 1939	yes	no	
ENTER 1939	yes	no	
KILL 1939	yes	no	
DRAKE 1939	yes	yes	64 M 3648 (contact)
RIDGE 1939	yes	no	
DESERT 1944	yes	yes	64 M 3746 (enlarg)
KELP 1944	yes	no	
JUMBO 1944	yes	no	
MID 1944	yes	no	
BUTE 1944	yes	no	

STATION NAME	RECOVERED	IDENTIFIED	PHOTO NO.
VEIN 1944	yes	no	
ROUND ?	yes	no	
SNOW 1944	yes	no	
BALD 1944	yes	no	
KNOB 1944	yes	yes	64 M 3749 (contact)
DINGO 1944	no		
CUBE 1944	yes	yes	64 M 3750 (enlarg)
POINT 1944	yes	no	
FOX 1944	yes	no	
MINK 1944	yes	no	
ARCH 1944	yes	yes	64 M 3685 (enlarg)
RAMPART 1944	yes	<del>no</del> yes	
FLAT 1939	yes	yes	64 M 3666 (enlarg)
HUGH MILLER W BASE 1907	no		
HUGH MILLER E BASE 1907/1944	yes	yes	64 M 3668 (enlarg)
GLOOMY 1907	yes	yes	64 M 3768 (enlarg)
CASE 1939	yes	yes	64 M 3762 (enlarg)
DONE 1939	yes	yes	64 M 3761 (enlarg)
TLINGIT 1939	yes	yes	64 M 3761 (enlarg)
GEIKIE 1939	yes	no	
LONE 1939	yes	no	
RANA 1964	yes	yes	64 M 3669 (enlarg) <sup>contact</sup>
ACE 1964	yes	yes	64 M 3765 (contact)
FLAG 1944	yes	no	
NORTE 1939	yes	no	
QUICK 1939	yes	no	

## PHOTOGRAMMETRIC PLOT REPORT

Project 21511

Alaska

August 1965

21. Area Covered

This report covers an area of Alaska in a portion of Glacier Bay from  $136^{\circ} 05' 00''$  W to  $136^{\circ} 36' 00''$  W, including Geikie Inlet.

22. Method

Analytic aerotriangulation methods were used: to bridge six strips of "M" photography at the scale of 1:40,000. The attached sketches of strips bridged shows the triangulation used in the adjustments. Closures to control and tie points have been tabulated.

23. Adequacy of Control

Horizontal control identified and required to adjust these strips was very fine. Control identification, with the exception of RANA, 1964 and CASE, 1939 which could not be positively identify by the instrument operators, was of superior quality. The field party is to be complimented on their excellent work. For the most part, triangulation sub points were clearly visible on the cross flights, this was accomplished in an area of extremely rough terrain. All stations were used in this adjustment except RANA, 1964 and CASE 1939, the results of the six bridges should comply to the National Standards of Map Accuracy for the twenty shoreline sheets to be compiled.

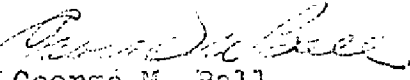
24. Supplemental Data

Numerous USGS quads were used to obtain elevations required for the final horizontal and vertical adjustments.

25. Photography

Photography was adequate with regard to coverage, overlap and image definition.

Respectfully submitted:

  
George M. Ball

Approved and Forwarded:

  
Henry P. Eichert

Acting Chief, Aerotriangulation Section

Closure to control and tie points

## STRIP #1

DRAKE, 1939

$$\begin{array}{l} \text{SS\#1} \quad \{-0.7 \quad +0.3\} \\ \text{SS\#2} \quad \{-3.1 \quad +3.7\} \end{array}$$

OPEN, 1939

$$\begin{array}{l} \text{SS\#1} \quad \{+4.7 \quad +2.0\} \\ \text{SS\#2} \quad \{+0.4 \quad -1.1\} \end{array}$$

ELSE, 1939

$$\begin{array}{l} \text{SS\#1} \quad \{-0.5 \quad +5.5\} \\ \text{SS\#2} \quad \{+9.8 \quad +5.1\} \end{array}$$

EVER, 1939

$$\begin{array}{l} \text{SS\#1} \quad \{-3.0 \quad -3.0\} \\ \text{SS\#2} \quad \{-1.7 \quad -0.8\} \end{array}$$

STAR, 1939

$$\begin{array}{l} \text{SS\#1} \quad \{+0.3 \quad +0.8\} \\ \text{SS\#2} \quad \{+3.6 \quad +12.7\} \end{array}$$

## Ties to Strip #2

$$\begin{array}{l} 13501 \quad \{-6.5 \quad -3.4\} \\ 13504 \quad \{+2.6 \quad -3.4\} \\ 13505 \quad \{-4.3 \quad -3.5\} \end{array}$$

## STRIP #2

JILL, 1938

$$\begin{array}{l} \text{SS\#1} \quad \{0.0 \quad 0.0\} \\ \text{SS\#2} \quad \{+4.9 \quad -1.9\} \end{array}$$

EVER, 1939

$$\begin{array}{l} \text{SS\#1} \quad \{+0.8 \quad +1.6\} \\ \text{SS\#2} \quad \{0.0 \quad 0.0\} \end{array}$$

## STRIP #3

ELSE, 1939

$$\begin{array}{l} \text{SS\#1} \quad \{-0.1 \quad -0.5\} \\ \text{SS\#2} \quad \{\text{This pt. could not be seen on this strip}\} \end{array}$$

EVER, 1939

SS#1 {+3.8 -3.2}  
SS#2 {+1.8 -1.3}

OPEN, 1939

SS#1 {-0.3 +1.3}  
SS#2 {-1.1 +4.4}

DESERT, 1944

SS#1 {0.0 -4.3}  
SS#2 {+2.2 -2.5}

FLAT, 1939

SS#1 {-0.8 +3.1}  
SS#2 {-0.3 +3.6}

ARCH, 1944

SS#1 {+0.9 +0.3}  
SS#2 {-0.4 -2.5}

HUGH MILLER E. BASE, 1907

SS#1 {-0.1 -0.1}  
SS#2 {+4.5 +0.1}

RANA, 1964

(Neither of these points could be clearly seen)

Home Sta. (+8.2 -11.7)

SS#1 (+7.9 16.9)

Ties to Strip #2

13501 {+6.8 -8.9}  
15502 {+4.6 -9.6}  
15504 {+1.2 -7.6}  
15505 {-1.5 -7.7}

Ties to Strip #1

15504 {+3.9 -10.5}  
15505 {+1.0 -4.4}  
19501 {-0.9 +1.3}  
19502 {-6.7 -0.9}  
19503 {-12.8 -4.2}

STRIP #4



## STRIP #4 (continued from page 2)

CUBE, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +0.6 & -1.0 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} -1.8 & -1.2 \end{array} \right) \end{array}$$

KNOB, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +1.2 & -5.8 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} -1.9 & +1.1 \end{array} \right) \end{array}$$

ARCH, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +0.8 & +1.2 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} +3.8 & +0.3 \end{array} \right) \end{array}$$

DESERT, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +2.7 & +0.9 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} +2.8 & +2.7 \end{array} \right) \end{array}$$

FLAT, 1939

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +0.5 & -0.7 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} -2.3 & -2.4 \end{array} \right) \end{array}$$

## STRIP #5

DESERT, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +0.6 & -1.0 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} +2.3 & -0.5 \end{array} \right) \end{array}$$

FLAT, 1939

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +3.5 & +2.0 \end{array} \right) \\ \text{SS\#2} \quad \left( \text{Point not visible on this strip} \right) \end{array}$$

ARCH, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} -1.8 & +1.3 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} +1.5 & +1.5 \end{array} \right) \end{array}$$

KNOB, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} +2.5 & -8.4 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} +1.6 & -0.9 \end{array} \right) \end{array}$$

CUBE, 1944

$$\begin{array}{l} \text{SS\#1} \quad \left( \begin{array}{cc} -0.5 & +0.3 \end{array} \right) \\ \text{SS\#2} \quad \left( \begin{array}{cc} -2.8 & +1.0 \end{array} \right) \end{array}$$

Tie points to Strip #3

35503       $\begin{pmatrix} +4.9 & -1.3 \end{pmatrix}$   
 35504       $\begin{pmatrix} +5.4 & -1.2 \end{pmatrix}$

Tie points to Strip #4

56501       $\begin{pmatrix} +1.8 & +1.0 \end{pmatrix}$   
 56502       $\begin{pmatrix} -4.7 & -4.9 \end{pmatrix}$   
 56503       $\begin{pmatrix} -1.7 & -1.0 \end{pmatrix}$   
 54501       $\begin{pmatrix} -2.3 & +0.7 \end{pmatrix}$

STRIP #6

TLINGIT, 1939

SS#1       $\begin{pmatrix} 0.0 & 0.0 \end{pmatrix}$   
 SS#2       $\begin{pmatrix} +3.5 & -3.5 \end{pmatrix}$

DONE, 1939

SS#1       $\begin{pmatrix} +1.3 & +0.1 \end{pmatrix}$   
 SS#2       $\begin{pmatrix} 0.0 & -0.1 \end{pmatrix}$

CASE, 1939 (Neither of these points were clearly seen)

SS#1       $\begin{pmatrix} -3.4 & -25.2 \end{pmatrix}$   
 SS#2       $\begin{pmatrix} -1.5 & -8.3 \end{pmatrix}$

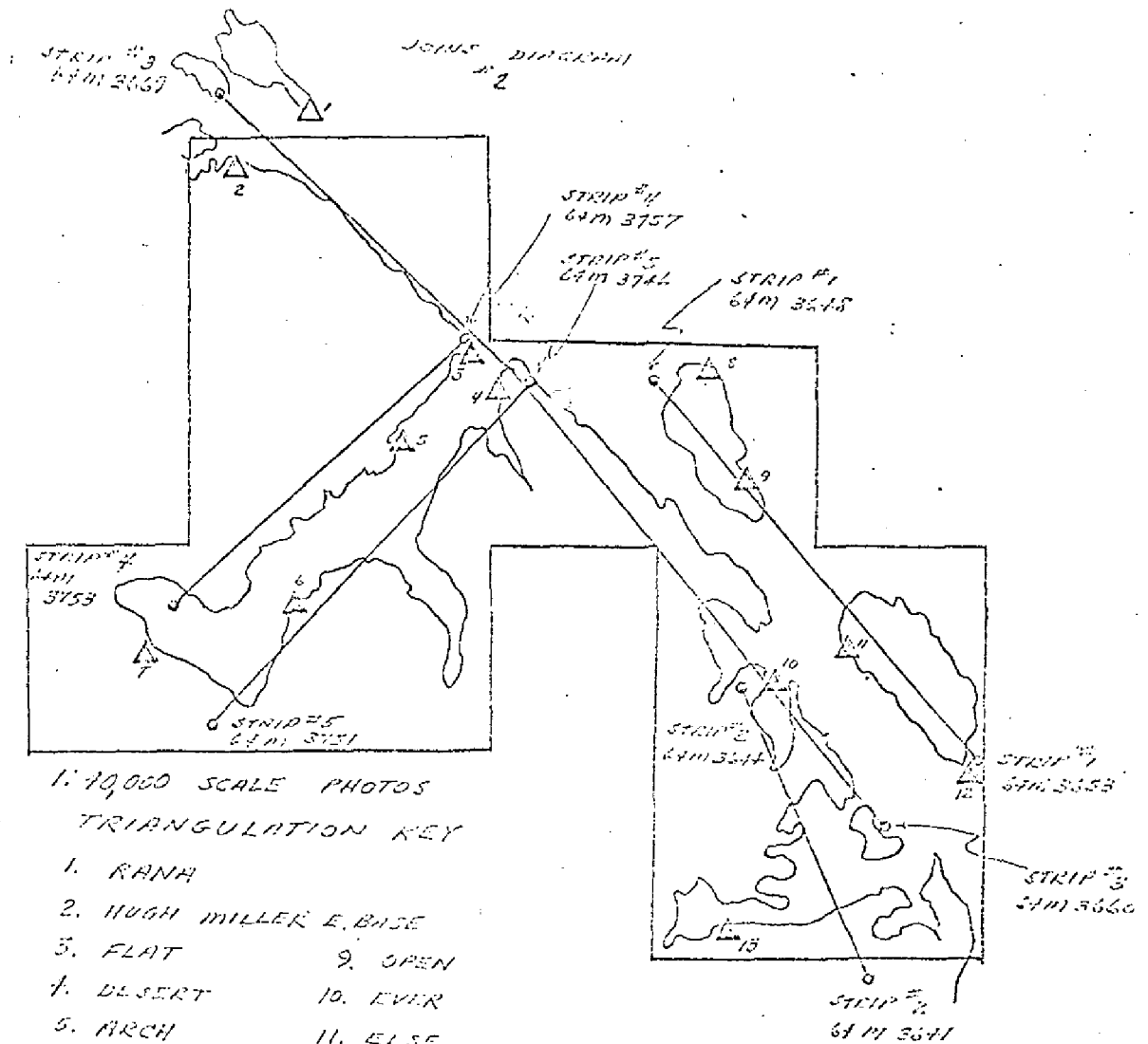
ACE, 1964

SS#1       $\begin{pmatrix} 0.0 & 0.0 \end{pmatrix}$   
 SS#2       $\begin{pmatrix} +0.1 & +1.7 \end{pmatrix}$

GLOOMY, 1907

SS#1       $\begin{pmatrix} +0.1 & +2.7 \end{pmatrix}$   
 SS#2       $\begin{pmatrix} -0.1 & 0.0 \end{pmatrix}$

# GLACIER BAY DIAGRAM 1 of 2



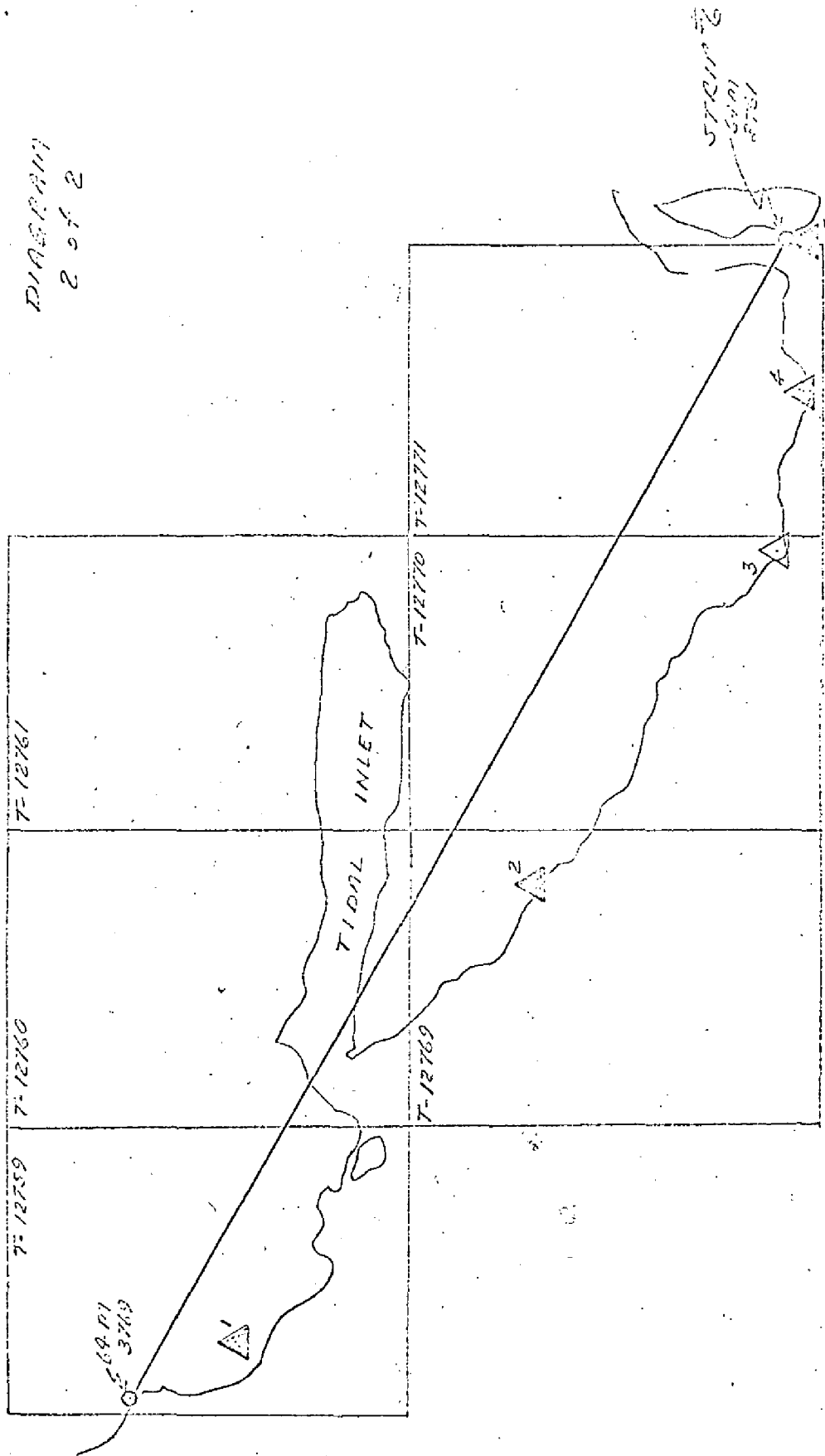
## 1:10,000 SCALE PHOTOS TRIANGULATION KEY

- |                        |          |
|------------------------|----------|
| 1. RANA                |          |
| 2. HUGH MILLER E. BASE |          |
| 3. FLAT                | 9. OPEN  |
| 4. DESERT              | 10. EVER |
| 5. ARCH                | 11. ELSE |
| 6. KNOB                | 12. STAR |
| 7. CUBE                | 13. JILL |
| 8. DRIKE               |          |

△ USED IN ADJUSTMENTS

△ NOT USED IN ADJUSTMENTS

DIAGRAM  
2 of 2



1:40,000 SCALE PHOTOS

TRIANGULATION KEY

1 GLOOMY (I.M.C.) 4 DONE

2 ACE

3 CASE

5 TILINET

Δ USED IN RE-ESTABLISHMENT

Δ NOT USED IN RE-ESTABLISHMENT

## DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO. T-12761	JOB NO. PH-6502	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM NA 1927		COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
				STATE	ZONE	$\phi$ LATITUDE	$\lambda$ LONGITUDE			
None				X=			$\phi$			
				Y=			$\lambda$			
				X=			$\phi$			
				Y=			$\lambda$			
				X=			$\phi$			
				Y=			$\lambda$			
				X=			$\phi$			
				Y=			$\lambda$			
				X=			$\phi$			
				Y=			$\lambda$			
				X=			$\phi$			
				Y=			$\lambda$			
COMPUTED BY				COMPUTATION CHECKED BY C. Parker				DATE Jan 16, 1975		
LISTED BY				LISTING CHECKED BY				DATE		
HAND PLOTTING BY				HAND PLOTTING CHECKED BY				DATE		

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

## COMPILATION REPORT

T-12761

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:40,000 scale panchromatic photography. Coverage was adequate.

32. CONTROL:

See the attached Photogrammetric Plot Report dated August, 1965.

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 as indicated by the field inspector on Photo 64M(P) 3766.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36b, Item No. 5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following U. S. Geological Survey Quadrangle: MT. FAIRWEATHER (D-1) ALASKA 1:63,360 scale, 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, dated September 11, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

*Albert C. Rauck, Jr. FOR.*  
Lowell O. Neterer, Jr.  
Cartographic Technician  
December 20, 1974

Approved:

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



GEOGRAPHIC NAMES

FINAL NAME SHEET

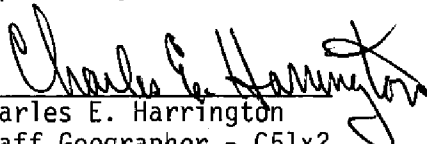
PH-6502 (Glacier Bay, Alaska)

T-12761

Tidal Inlet

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			
T - 12761			
1. PROJECTION AND GRIDS CP	2. TITLE CP	3. MANUSCRIPT NUMBERS CP	4. MANUSCRIPT SIZE CP
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)	7. PHOTO HYDRO STATIONS CP
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES NA	10. PHOTOGRAMMETRIC PLOT REPORT CP	11. DETAIL POINTS CP
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CP	13. LOW-WATER LINE CP	14. ROCKS, SHOALS, ETC. CP	15. BRIDGES CP
16. AIDS TO NAVIGATION CP	17. LANDMARKS CP	18. OTHER ALONGSHORE PHYSICAL FEATURES CP	19. OTHER ALONGSHORE CULTURAL FEATURES CP
PHYSICAL FEATURES			
20. WATER FEATURES CP		21. NATURAL GROUND COVER CP	22. PLANETABLE CONTOURS CP
23. STEREOSCOPIC INSTRUMENT CONTOURS CP	24. CONTOURS IN GENERAL CP	25. SPOT ELEVATIONS CP	26. OTHER PHYSICAL FEATURES CP
CULTURAL FEATURES			
27. ROADS CP	28. BUILDINGS CP	29. RAILROADS CP	30. OTHER CULTURAL FEATURES CP
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CP		34. JUNCTIONS CP	35. LEGIBILITY OF THE MANUSCRIPT CP
36. DISCREPANCY OVERLAY CP	37. DESCRIPTIVE REPORT CP	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS CP
40. REVIEWER <i>Albert C. Rauck, Jr.</i> Charles Parker 1/16/75		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		SUPERVISOR	
43. REMARKS			

REVIEW REPORT  
T-12761

SHORELINE

July, 1977

61. GENERAL INFORMATION:

Obviously, field inspection was ignored when this map was compiled in May, 1970 and December, 1974. Field inspection was applied to the map during Final Review.

No comparison print was made.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

None; no registered topographic surveys of the area were available.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U. S. G. S. Quadrangle MT. FAIRWEATHER (D-1), ALASKA, 1:63,360 scale, dated 1954. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY SURVEYS:

A comparison was made with a verified copy of Survey H-9139 (FA-20-4-70). The mean high water line on H-9139 does not agree with the mean high water line on T-12761. This discrepancy cannot be resolved photogrammetrically; there is no reason to believe the mean high water line on T-12761 is not correct.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 17300 (8202), 1:209,978, 20th edition, dated January 1, 1977. No significant differences were noted--the chart scale is too small for adequate comparison.

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  
July 19, 1977

Approved for forwarding:

*Joseph W. Vonasek*

Joseph W. Vonasek  
Chief, Photogrammetric Branch, AMC

Approved:

*D. K. Hargraves*  
Chief, Photogrammetric Branch

*James Collier*  
Chief, Coastal Mapping Division