7-12786

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline	<u>,</u>					
Job No. PH~6502						
Classification No.	Edition No 1					
Field Edited						
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DATE						

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD TYPE OF SURVEY DOB PH. DOB	NOAA FORM 76-36A (3-72) NATIONAL	U. S. DEPARTMENT OF COMMERCE OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY T	p. <u>1278</u> 6	
PHOYOGRAMMETRIC OFFICE Costal Mapping Division (Norfolk) OFFICER.IN-CHARGE Jeffrey G. Carlen, CDR I. INSTRUCTIONS DATED I. OFFICE November 16, 1964 December 18, 1969 II. HORIZONTAL: MEAN SEALEYEL S. MAP PROJECTION Polyconic S. SCALE 1:10,000 III. HISTORY OF OFFICE OPERATIONS OPERATIONS I. ACROSTIANSULATION OPERATIONS OPERATIONS OPERATIONS OPERATIONS I. ACROSTIANSULATION OPERATIONS OPERATIONS OPERATIONS I. ACROSTIANSULATION OPERATIONS OPERATIONS OPERATIONS I. ACROSTIANSULATION OPERATIONS OPERATIONS I. ACROSTIANSULATION OPERATIONS OPERATION OPERATIONS OPERATION OPER			1 ;	MAP EDITIO	N NO.	a)
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11. MAP REGISTERED - COASTAL SURVEY SECTION BY N. 4 Trans. Que 26 197			h. Francis		- / -	197



(3-72)		Ï	12786			NATIO	NAL OCEAN SURVE
		CO	MPILATION	SOURCES			
1. COMPILATION PH	OTOGRAPHY					· · · · · ·	
camera(s) Wild RC-9 "	M"		TYPES	OF PHOTOGRAPHY	Į	TIME RE	FERENCE
TIDE STAGE REFERE			(C) COLOR		ZONE	1	
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TIDE CONTROLL			(I) INFE	RARED	MERIDI 120		[DAYLIGH
NUMBER AND	D TYPE	DATE	TIME	SCALE	120		OF TIDE
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NOAA FORM 76-36B

NOAA FORM 76~36C (3-72)		T-12786 History of Field			NIC AND ATMOSPHE	TMENT OF COMMERC ERIC ADMINISTRATIO ONAL OCEAN SURVE
I. 🗓 FIELD INSPEC	TION OPERATION	· FIEL	D EDIT OPI	ERATION	•	
	OPERATION				NAME	DATE
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2. HORIZONTAL CON		RECOVERED BY ESTABLISHED BY ARKED OR IDENTIFIED BY			·	
3. VERTICAL CONTR		RECOVERED BY ESTABLISHED BY ARKED OR IDENTIFIED BY				
4. LANDMARKS AND AIDS TO NAVIGAT	ıon None	(Triangulation Stations) BY DCATED (Field Methods) BY IDENTIFIED BY E OF INVESTIGATION				
5. GEOGRAPHIC NAM INVESTIGATION	ies 🗆	COMPLETE SPECIFIC NAMES ONLY NO INVESTIGATION				
6. PHOTO INSPECTIO	ON CLARI	FICATION OF DETAILS BY	None			
7. BOUNDARIES AND	LIMITS SUR	VEYED OR IDENTIFIED BY	N.A.			
II. SOURCE DATA 1. HORIZONTAL CON	TROL IDENTIFIED	···-	13 VERT	CA1 CO1	NTROL IDENTIFIED	
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PHOTO NUMBER	STAT	ION NAME	РНОТО N	UMBER	STATION	DESIGNATION
3. PHOTO NUMBERS	(Clarification of detail	•				
4. LANDMARKS AND	ALDS TO NAVIGATIO	None				<u> </u>
		None				
PHOTO NUMBER	OBJE	CT NAME	рното и	UMBER	OBJE	CT NAME
5. GEOGRAPHIC NAM	ES: REPOR	RT X NONE	6. BOUNG	DARY AN	D LIMITS: DE	PORT [X] NONE
7. SUPPLEMENTAL N		N. IN HORE	J 5. 500M	-A-I AN	S Elmiss RE	PORT X NONE
8. OTHER FIELD REC	ORDS (Sketch books,	etc. DO NOT fist data submit			ivision)	

NOAA FORM 76—361 (3—72)		T-12786 History of Field		NIC AND ATMOSPHER	IENT OF COMMERCE IC ADMINISTRATION NAL OCEAN SURVEY
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1, Chief of Fiel			R.H. Houl		1964 Aug. 1964
2. HORIZONTAL C	RECOVERED BY HORIZONTAL CONTROL ESTABLISHED BY		K.n. nour	der.	Hug. 1964
Z. HOMEONIAL C	PRE-MARKED OR IDENTIFIED BY		W.H. Shea	rouse	Aug. 1964
		RECOVERED BY			
3. VERTICAL CON	NTROL	N.A. ESTABLISHED BY			
		PRE-MARKED OR IDENTIFIED BY	ļ	·	
4		RECOVERED (Triangulation Stations) BY			
4. LANDMARKS AL AIDS TO NAVIG		NONE IDENTIFIED BY			
		TYPE OF INVESTIGATION	 		
5. GEOGRAPHIC N	NAMES	COMPLETE	1		1
INVESTIGATIO		SPECIFIC NAMES ONLY			
		MO INVESTIGATION			
6, PHOTO INSPEC		CLARIFICATION OF DETAILS BY	W.H. Shea	rouse	Aug. 1964
7. BOUNDARIES A		SURVEYED OR IDENTIFIED BY	<u> </u>		
1. HORIZONTAL C		DENTIFIED	2. VERTICAL CO	NTROL IDENTIFIED	
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DE	SIGNATION
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3. PHOTO NUMBE	RS (Clarific	ation of details)	<u> </u>	<u> </u>	
	64 M 3				·
	None	NAVIGATION IDENTIFIED			
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
5. GEOGRAPHIC N		REPORT NONE	6. BOUNDARY AN	ID LIMITS: REPO	ORT X NONE
7. SUPPLEMENTA No		D PLANS	•		
		Sketch books, etc. DO NOT list data submit	`	ivision)	

NOAA FOR (3-72)	M 76-36D		2786 D OF SURVE		U. S. DEPARTM C AND ATMOSPHER	ENT OF COMMERCE
		RECOR	D OF SURVE	1 035		
I. MANUSC	RIPT COPIES					
		OMPILATION STAGES				RIPT FORWARDED
	DATA COMPILED	DATE	RE	MARKS	MARINE CHART	S HYDRO SUPPOR
	tion complete field edit	June 1970	Superse	eded		
	edit applied, tion complete	Nov. 1971	Superse	eded		
Final F	Review	J uly 1975				
				<u> </u>		
II. LANDM	ARKS AND AIDS TO HAVIG	ATION				
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NUMBER	CHART LETTER Number Assigned	DATE FORWARDED		R	EMARKS	
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	COORT TO MARINE CHAP					
	REPORT TO MARINE CHAR REPORT TO AERONAUTIC					D:
	AL RECORDS CENTER DA					
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4 🗀	DATA TO FEDERAL RECO	ORDS CENTER, DATE	FORWARDED:	-		_ _
IV. SURVE	Y EDITIONS (This section		h time a new ma;	o edition is registe		
	SURVEY NUMBER	JOB NUMBER			TYPE OF SURVE	Y
SECOND	DATE OF PHOTOGRAF		LD EDIT		MAP CLASS	_
	SURVEY NUMBER	JOB NUMBER			III. UIV. UV	
THIRD	TP -	_ (3) PH			_	ESURVEY

DATE OF FIELD EDIT

DATE OF FIELD EDIT

JOB NUMBER

PH - ___

EDITION

FOURTH

EDITION

DATE OF PHOTOGRAPHY

TP - ______(4)
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SURVEY NUMBER

MAP CLASS

□ III. □IV. □v.

MAP CLASS

TYPE OF SURVEY

REVISED

□H. □IV. □V. □FINAL

RESURVEY

FINAL

□u.

□π.



REVISED 9-5-72 RAW

JOB PH-6502 GLACIER BAY ALASKA

Shareline Mapping

SCALE 1:10,000



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12786

This 1:10,000 scale shoreline manuscript is one of 80 maps that comprise Project PH~6502 which covers Glacier Bay, Alaska and its numerous tributaries. For convenience of compilation, the project was divided into five parts, according to aerotriangulation bridges. This map is one of 21 maps that comprise Part I which covers Glacier Bay from Geikie Inlet to Composite Island.

Field inspection was done by an experienced photogrammetrist, in August 1964.

Bridging was done by analytic aerotriangulation methods in the **Rockville** Office in August 1965, using 1:40,000 scale panchromatic wide angle photography taken in June 1964.

Compilation was done at the Atlantic Marine Center, Norfolk, in June 1970, using the Wild B-8 plotter, with 1:40,000 scale photography taken in June 1964. Photographs were ratioed to 1: 10,000 scale for photo-hydro support and field edit use. The time of photography was near low water.

Field edit was done in conjunction with hydrography in August, 1970.

Final review was done at the Atlantic Marine Center in July 1975.

The original manuscript was a stabilene sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude.

A stable base positive copy and a negative of the final reviewed manuscript were forwarded for record and registry.

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 Honument 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 intersting 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° 43' 20.492", Long. 136°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 RANA 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.

A 11 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 quadrangal 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 northwestward of our 1964 work. It is suggested that this be investigated before the next seasons work is begun.

4. <u>VERTICAL</u> 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 foreshore classified at that time. It is reasonably thorough and accurate.

There are no man-made shoreline structures. Many protouding 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 GASE and GEIRIE and should consist of a combination of triangulation and electronic traverse.

William H. Shearawa

William H. Shearouse Cartographer

Approved and Forwarded

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	уез	уев	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	уев	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	уев	no	,
KIIL 1939	yes	ne	
DRAKE 1939	yes	yes	64 M 3648 (contact)
RIDGE 1939	yes	no	
DESERT 1944	yes	yes	64 M 3746 (enlarg)
KELP 1944	уes	no	
JUMBO 1944	yes	no	
MID-1944	уез	no	
BUTE 1944	yes	no	

	STATION NATE	RECOVERED	identified .	PHOTO NO.	•
	VEIN 1944	yes	no		•
	ROUND ?	yes	no		
	SHOW 1944	yes	no		
	BALD 1944	yes	no		
•	KNOB 1944	yes	yes	64 и 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 и 3685	(enlarg)
	RAMPART 1944	yes	NO Yes		
	FLAT 1939	yes	уез	64 и 3666	(enlarg)
	HUGH MILLER W BASE	no			
	HUGH MILLER E BASE 1907/1944	yes	уев	64 m 3668	(enlarg)
	GLOOMY 1907	yes	yes	64 M 3768	(enlarg)
	CASE 1939	yes	yes	64 M 3762	(enlarg)
5	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 м 3669	contact (#####)
,	ACE 1964	yes ,	yes	64 M 3765	(contact)
	FIAG 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° 05' 00" W to 136° 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

Jana Yana

Closure to control and tie points

STRIP #1

DRAKE, 1939

OPEN, 1939

ELSE, 1939

EVER, 1939

TAR, 1939

Ties to Strip #2

STRIP #2

JILL, 1938

EVER, 1939

STRIP #3

ELSE, 1939

EVER, 1939

OPEN, 1939

DESERT, 1944

FLAT, 1939

`ARCH, 1944

HUGH MILLER E. BASE, 1907

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

Ties to Strip #1

STRIP #4

```
STRIP #4 (continued from page 2)
 CUBE, 1944
                (+0.6 -1.0)
(-1.8 -1.2)
      SS#1
 KNOB, 1944
      SS#1
                (+1.2 -5.8)
(-1.9 +1.1)
      SS#2
 ARCH, 1944
     SS#1 (+0.8 +1.2)
-SS#2 (+3.8 +0.3)
 DESERT, 1944
               (+2.7 +0.9)
(+2.8 +2.7)
      SS#1
FLAT, 1939
               (+0.5 -0.7)
(-2.3 -2.4)
      SS#2
   STRIP #5
DESERT, 1944
               (+0.6 -1.0)
(+2.3 -0.5)
FLAT, 1939
               (+3.5 + 2.0)
               (Point not visible on this strip)
ARCH, 1944
               (-1.8 +1.3)
(+1.5 +1.5)
KNOB, 1944
     SS#1
               (+2.5 -8.4)
(+1.6 -0.9)
      SS#2
CUBE, 1944
               (-0.5 +0.3)
(-2.8 +1.0)
```

Tie points to Strip #3

Tie points to Strip #4

STRIP #6

TLINGIT, 1939

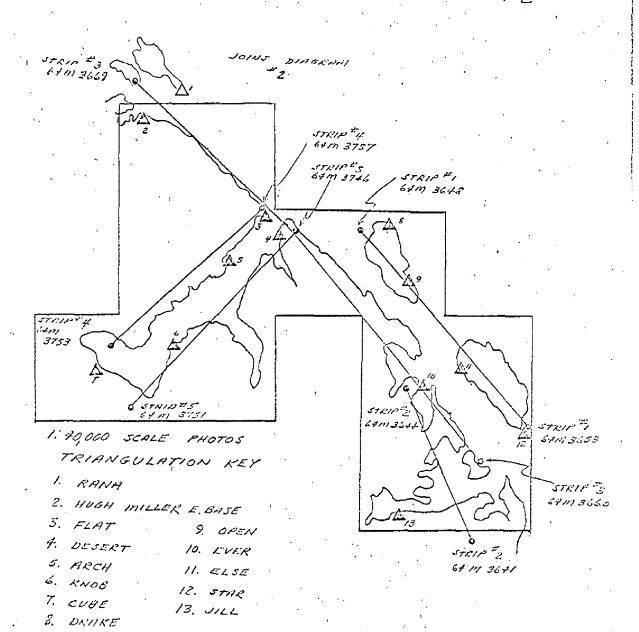
DONE, 1939

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

ACE, 1964

GLOOMY, 1907

GLACIER BAY DIAGRAM 1 of 2



L USED IN HOUSETMENTS

A NOT USED IN ADJUSTMENTS.

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIT RATION

None

SCALE FACTOR

NOAA FORM 76-4 (2-71) USCOMP DC 34168-771 (FORMERLY FORM C&GS-164)

DESCRIPTIVE REPORT CONTROL RECORD

PH-6502 scale of MAP 1:10,000

PROJECT NO.

MAP T- 12786

N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS ($I\ Fit. = 3048006\ meter)$ (BACK) Wilson C. Blood (517.3)(722.2)<u>м</u> June 2, 1970 Plotted by: Checked by: 1339.2 246.9 FORWARD LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE 43.282" 15.279" 351 31, 136° 580 DATUM N.A. SOURCE OF G.P. Vol. 3 (INDEX) Pg. 854 STATION CUBE, 1944

20

4/24/70

DATE

R. White

CHECKED BY

4/24/70

DATE

C. Blood

COMPUTED BY

COMPILATION REPORT

PH-6502

T-12786

31. DELINEATION

The Wild B-8 plotter was used. Photographic coverage was adequate.

32. CONTROL

See "Photogrammetric Plot Report", dated August, 1965.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was compiled by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The MHWL, approx. MLLWL, and Foreshore area was delineated from office interpretation of the photographs supplemented with field inspection.

36. OFFSHORE DETAILS

No statement

37. LANDMARKS AND AIDS

38. CONTROL FOR FUTURE SURVEYS

A sufficient number of shoreline pass points have been located to facilitate the location of photo-hydro stations.

39. JUNCTIONS

Junctions are in agreement with T-12787 to the east. There is no contemporary survey to the north, west or south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

41. FIELD EDIT

The field edit was adequate.

42. - 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangle MT. FAIR-WEATHER (C-2), ALASKA, scale 1:63,360, dated 1950, reprinted 1956.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 8202, scale 1:209,978, 15th edition, dated Oct. 21, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Charles Blood, Carto. Technician

June 5, 1970

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

28 March 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12786

Geikie Inlet

Glacier Bay National Monument

Approved by:

Chas. E. Harrington 3
Staff Geographer-C51x2

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NOAA FORM 75-74 2-74)				U.S. DEPARTMENT OF COMMERC
	PHO		RIC OFFICE REVIEW	NATIONAL OCEAN SURVE
I. PROJECTION AND GRIDS	2. TITLE	· ,	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
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B. BENCH MARKS	9. PLOTTING C	OF SEXTANT	10, PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
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ALONGSHORE AREAS (Nautical	Chart Data)		·	
12. SHORELINE	13. LOW-WATER	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
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			PHYSICAL FEATURES	CULTURAL FEATURES
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PHYSICAL FEATURES		-		
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOU
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23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	<u> </u>	25. SPOT ELEVATIONS	26 OTHER PHYSICAL FEATURES
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27. ROADS	28. BUILDINGS	<u> </u>	29. RAILROADS	30. OTHER CULTURAL FEATURES
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BOUNDARIES			· · · · · · · · · · · · · · · · · · ·	
31. BOUNDARY LINES X X			32. PUBLIC LAND LINES X X	
MISCELLANEOUS			<u> </u>	
33. GEOGRAPHIC NAMES		34. JUNCTION	s	35. LEGIBILITY OF THE MANUSCRIPT
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36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION	39. FORMS
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RJP		Date	SUPERVISOR, REVIEW SECTION	
Charles HBrokog		Date	1 Miller & C	ON OF UNIT
✓ R.J. Pate	6,	/8/ 7 0	Albert C. Rauck, J	r.
41. REMARKS (See attached shee	t)			
FIELD COMPLETION ADDITION			, _ , _ , _ , _ , _ , _ , _ , _ , _ , _	
 Additions and corrections script is now complete exc 	fumished by the ept as noted und	e field complet der item 43.	ion survey have been applied	to the manuscript. The manu-
Compresses HBishot		Date	SUPERVISOR	1 11
B.L. Barge RAW	hite 11.	/5/71	! albut C.	Kanok.h.
<u>Reviewer:</u> R.R. Whi	.te 11,	/8/71	Albert C. Rauck,	Jr.
43. REMARKS		, , , , ,		
Field	l Edit Appl	lied From	: Field edit ozali	IQ T-12/86.

FIELD EDIT REPORT

MAP T-12786

Glacier Bay

Field edit of map T-12786 was accomplished during June, 1970. Inspection was done from a skiff and from a launch during hydrographic survey.

METHOD

The shoreline features and mean high water line were verified by visual comparison of the shore area to the field ratio photographs and field edit ozalid of the map manuscript. Notes have been made in violet on the field edit ozalid. Unless otherwise indicated all shoreline features are correct as interpreted.

ADEQUACY OF COMPILATION

Compilation of the map is good. Hydrographic location of features compares well to photogrammetric location. Corrections have been indicated on the field edit ozalid.

Field inspection of the map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes and be accepted as an advance manuscript.

Respectfully submitted,

Martin R. Mulham Martin R. Mulhern

LTJG, USESSA

TRANSMITTAL SHEET

Preparation of these reports was done under the supervision of this Command and was found to be accurate and complete.

John B. Watkins, Jr. CAPTAIN, USESSA Commanding Officer USC&GSS FAIRWEATHER

REVIEW REPORT T-12786

SHORELINE

July 10, 1975

61. GENERAL STATEMENT:

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

A comparison print, showing differences noted in Par. 63, 64, and 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No registered topographic surveys were available for comparison.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle MT. FAIRWEATHER (C-2), ALASKA, scale 1:63,360, dated 1950. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a verified copy of the smooth sheet for Survey H-9140 (FA-20-5-70), scale 1:20,000, dated 1970. Significant differences are shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 8202, scale 1:209,978 18th edition, dated Nov. 23, 1973. The same shoreline difference appears on both the chart and the U.S.G.S. quadrangle. See comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with job instructions and meets Bureau standards and the requirements for National Standards of Map Accuracy.

Reviewed by:

Charles H. Bishop

Cartographer 10 July 1975

Approved for forwarding:

Viotor E. Serena

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch, AMC

