7-12768

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of SurveyShoreline					
Job No. PH-6502	•				
Classification No.	Edition No1				
Field Edited					
LOCALIT	Υ				
State Alaska					
General Locality Glacier 1					
Locality Blue Mouse Cov					
Locally	į				
19 ₆₄ TO	19 70				
REGISTRY IN ARCHIVES					
DATE					

♦ U.S. GOVERNMENT PRINTING OFFICE: 1978-761-775

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR TO REGISTRATION



NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	TYPE OF SURVEY	SURVEY TK 12768
	XX ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS
	REVISED	лов РН - 6502
PHOTOGRAMMETRIC OFFICE	4 1	NG MAP EDITION
Coastal Mapping Division - Norfolk	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	ORIGINAL	MAP CLASS
	RESURVEY	SURVEY DATES:
Jeffrey G. Carlen		
I. INSTRUCTIONS DATED 1. OFFICE	2.	FIELD
11 01 1192	ţ _	
November 16, 1964	<u> </u>	
December 18, 1969	}	
II. DATUMS		·
1. HORIZONTAL: 🔀 1927 NORTH AMERICAN	OTHER (Specify)	
(VI MEAN MAYER	OTHER (Specify)	
MEAN HIGH-WATER MEAN LOW-WATER 2. VERTICAL:	}	
MEAN LOWER LOW-WATER MEAN SEA LEVEL		
3. MAP PROJECTION	4.	
Polyconic	STATE	ZONE.
5. SCALE	STATE	ZONE
1:10,000		
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	G. Ball and D. B	DATE 8/65 & 1/6
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY	N.A.	170 0/05 G 1/0
2. CONTROL AND BRIDGE POINTS PLOTTED BY	C. Blood	4/27/70
METHOD: CHECKED BY	R. White R. White	4/28/70
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION .CHECKED BY	IC. WILLIAM	7/22/70
INSTRUMENT: Wild B-8 CONTOURS BY	N.A.	
SCALE: 1:15,000 CHECKED BY	R. White	7/20/70
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	A. Shands (parti	7/28/70 al)
CONTOURS BY	N.A.	
CHECKED BY	D Wheat	7/29/70
SCALE: 1:10,000 HYDRO SUPPORT DATA BY	R. White	1/24/10
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	A. Shands (partia	1)
6. APPLICATION OF FIELD EDIT DATA	A.L. Shands	10/5/70
7. COMPILATION SECTION REVIEW BY	B.L. Barge	11/3/71
8. FINAL REVIEW BY	C.H. Bishop	6/1/75
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	ļ	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	W C Fin	W 11 .C.
1], MAP REGISTERED - COASTAL SURVEY SECTION BY NOAA FORM 78-36A SUPERSEDES FORM C& GS 181 SERIE	M.J. Francis	0. 1972-769382/582 REG.#



NOAA FORM 76-36B									RTMENT	
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NOAA FORM 76-36C U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY T-12768 HISTORY OF FIELD OPERATIONS I. X FIELD INSPECTION OPERATION FIELD EDIT OPERATION OPERATION NAME DATE R.H. Houlder 1964 1. CHIEF OF FIELD PARTY J.B. Watkins, Jr. 1966 RECOVERED BY J.B. Watkins, Jr. Sept. 1966 2. HORIZONTAL CONTROL ESTABLISHED BY W. Shearouse/L. Riggers 8/64 & 9/66 PRE-MARKED OR IDENTIFIED BY RECOVERED BY 3, VERTICAL CONTROL ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY None RECOVERED (Triangulation Stations) BY 4. LANDMARKS AND LOCATED (Field Methods) BY AIDS TO NAVIGATION IDENTIFIED BY TYPE OF INVESTIGATION COMPLETE 5. GEOGRAPHIC NAMES SPECIFIC NAMES ONLY INVESTIGATION NO INVESTIGATION None 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY SURVEYED OR IDENTIFIED BY N.A. 7. BOUNDARIES AND LIMITS II. SOURCE DATA 1. HORIZONTAL CONTROL IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION 64 M 3800 CINCO 1966 64 M 3669 RANA 1964 3. PHOTO NUMBERS (Clarification of details) 64 M 3668 thru 3670 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None РНОТО NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME 5. GEOGRAPHIC NAMES: REPORT 6. BOUNDARY AND LIMITS: REPORT X NONE MONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

Field Inspection Report, CSI cards.

NOAA FORM 76_36C (3-72)	T-12768		IC AND ATMOSPHE	MENT OF COMMERCE RIC ADMINISTRATION DNAL OCEAN SURVEY
I. FIELD INSPECTION OP	HISTORY OF FIELD	D EDIT OPERATION		
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	PERATION	N/	AME	Summer
1. CHIEF OF FIELD PARTY		J.B. Watkin	ıs. Jr.	19 7 0
	RECOVERED BY		7	
2. HORIZONTAL CONTROL	None established by			
	PRE-MARKED OR IDENTIFIED BY			
	RECOVERED BY			
3. VERTICAL CONTROL	NONE ESTABLISHED BY			
	PRE-MARKED OR IDENTIFIED BY	 		
	RECOVERED (Triangulation Stations) BY	<u> </u>		
4. LANDMARKS AND AIDS TO NAVIGATION N	LOCATED (Field Methods) BY			
	TYPE OF INVESTIGATION	 		_
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5. GEOGRAPHIC NAMES INVESTIGATION	SPECIFIC NAMES ONLY	,		
	NO INVESTIGATION	}		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W.D. Neff		Aug. 1970
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.		
II. SOURCE DATA	37			
1. HORIZONTAL CONTROL II	DENTIFIED	2. VERTICAL CONT	TROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION E	ESIGNATION
3. PHOTO NUMBERS (Clarific				
64 M 3	3669 and 3670			
4. LANDMARKS AND AIDS TO	NAVIGATION IDENTIFIED			
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5. GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AND	LIMITS: RE	PORT K NONE
7. SUPPLEMENTAL MAPS AN	ID PLANS	•		_
8. OTHER FIELD RECORDS	Sketch booke, etc. DO NOT list date submit	tted to the Geodesy Div	vision)	
	d Edit Report and Field			

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Final 1	Review	J une 19 7 5					
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4. 🗀	DATA TO FEDERAL RECO	PRDS CENTER. DAT	E FORWARDED:			. <u> </u>	-
IV. SURV	EY EDITIONS (This section			edition is r	egistered)		
	SURVEY NUMBER	JOB NUMBER			TYPE OF	SURVEY	SURVEY
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EDITION	DATE OF PHOTOGRAP	DATEOFFI	ELD EDIT	□ n.	MAP C	_	FINAL
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THIRD	TP	(3) PH			☐ REVISED	RES	SURVEY
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<u> </u>	SURVEY NUMBER	JOB NUMBER	R		TYPE OF		
FOURTH					REVISED	RES	ÜRVEY
EDITION	DATE OF PHOTOGRAF	HY DATE OF FI	ELD EDIT		MAP (CLASS	——



JOB PH-6502 GLACIER BAY ALASKA

Shoreline Mapping

SUMMARY TO ACCOMPANY

DESCRIPTION REPORT T-12768

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 in August 1964 by an experienced photogrammetrist. One additional horizontal control station was established and identified in September 1966.

Bridging was done by analytic aerotriangulation methods in the Rockville Office in August 1965 and January 1968, using 1:40,000 scale panchromatic wide angle photography taken in June 1964.

Compilation was done at the Atlantic Marine Center, Norfolk, 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 photographs were taken near low tide.

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

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

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

A stable base positive 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 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 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: 644 3646, 3651, 3652, 3661, 3662, 3663, 3665 thru 3670, 3682, 3684, 644 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

高兴进海州地

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 ll 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. 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 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 CASE and GEIKIE and should consist of a combination of triangulation and electronic traverse.

William H. Shearewe

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.
JIIL 1938	yes	yes	64 M 3692 (enlarg)
NONE 1938	yes	no ·	
ALUN 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 ´ . ª	no ~	
OPEN 1939	уes	yes	64 M 3649 (contact)
GOLD 1939	уes	no	
JUST 1939	yes	no	
DUCE 1939	yes	no	
ENTER 1939	yes	no	
KILL 1939	yes	ne 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	yes	, no	
BUTE 1944	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

Closure to control and tie points

STRIP #1

DRAKE, 1939

OPEN, 1939

ELSE, 1939

EVER, 1939

rar, 1939

Ties to Strip #2

STRIP #2

JILL, 1938

EVER, 1939

STRIP #3

LSE, 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)

O.

Ties to Strip #2

Ties to Strip #1

STRIP #4

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STRIP #4 (continued from page 2)
 CUBE, 1944
               (+0.6 -1.0)
(-1.8 -1.2)
      SS#2
KNOB, 1944
               (+1.2 -5.8)
(-1.9 +1.1)
      SS#1
     SS#2
ARCH, 1944
      $$#1 (+0.8 +1.2)
$$#2 (+3.8 +0.3)
     . SS#1
DESERT, 1944
               (+2.7 +0.9)
(+2.8 +2.7)
      SS#1
      SS#2
 FLAT, 1939
      SS#1 (+0.5 -0.7)
SS#2 (-2.3 -2.4)
   STRIP #5
DESERT, 1944
      S$#1
      SS#1 (+0.6 -1.0)
SS#2 (+2.3 -0.5)
FLAT, 1939
      SS#1
               (+3.5 +2.0)
               (Point not visible on this strip)
    SS#2
ARCH, 1944
               (-1.8 +1.3)
(+1.5 +1.5)
      SS#1
SS#2
KNOB, 1944
               (+2.5 -8.4)
(+1.6 -0.9)
      SS#1
      SS#2
CUBE, 1944
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(-0.5 +0.3) (-2.8 +1.0) Tie points to Strip #3

Tie points to Strip #4

STRIP #6

TLINGIT, 1939

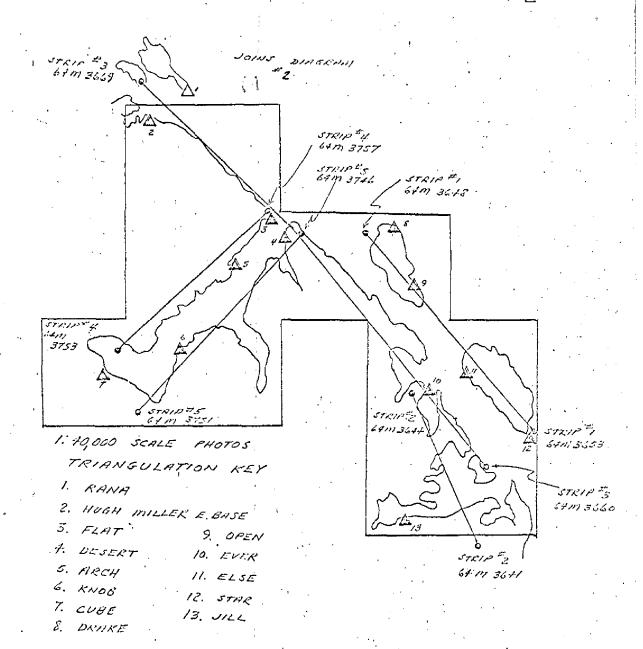
DONE, 1939

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

ACE, 1964

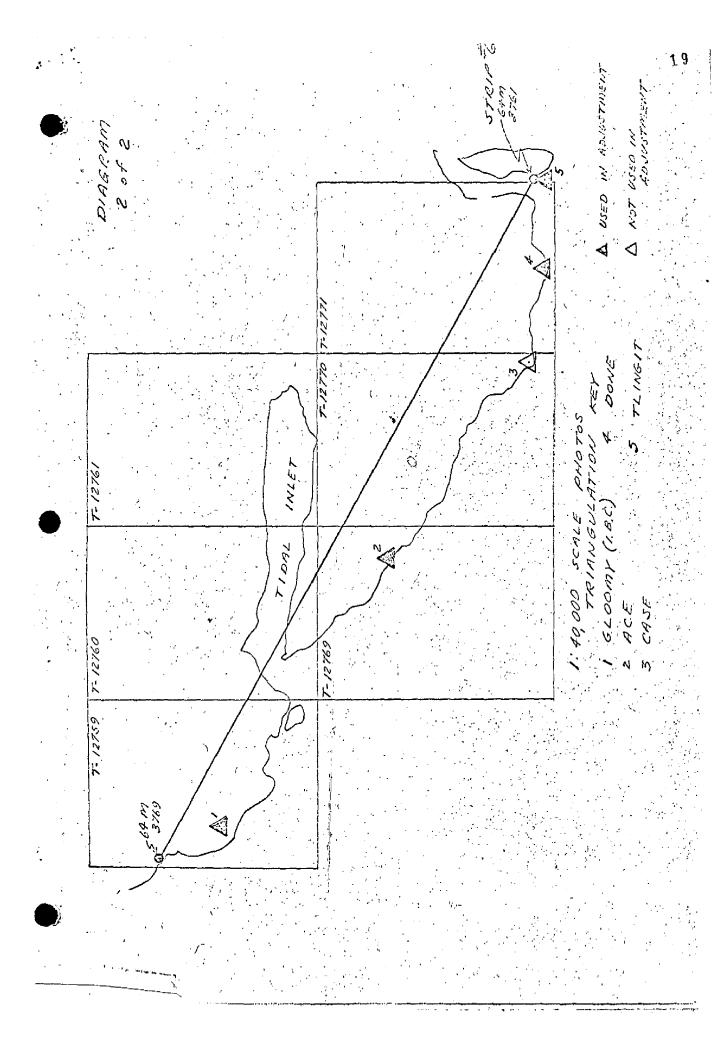
GLOOMY, 1907

GLACIER BAY DIAGRAM 1 of 2



A USED IN HOUUSTMENTS

A NOT USED IN ADJUSTMENTS



PHOTOGRAMMETRIC PLOT REPORT Job PH-6502 Glacier Bay, Alaska

January 8, 1968

21. Area Covered

The area covered in this report is in the vicinity of Glacier Bay, Alaska, and is a continuation of Project 21511 dated August 1965. The registry numbers of the 1:10,000 scale maps are T-12756 thru T-12758, T-12766 and T-12767 and T-12774. Maps T-12768 and T-12775 were partially completed from a previous bridge. The purpose of this bridging is to furnish positions of points to control models for the compilation of shoreline mapping. The attached sketch of strips bridged shows the triangulation used in the adjustment.

22. Method

Two strips of photography were bridged using analytic aerotriangulation methods. Strips 7 and 8 (1:40,000 scale, RC-9 panchromatic photography) were adjusted to ground positions with field identified points. Satisfactory ties were made between strips. The photographic plates used in bridging are printed emulsion to emulsion.

23. Adequacy of Control

Horizontal control was adequate and complied with the project instructions. All field identified control points were natural objects. Closures to control are indicated on the listing of the aerotriangulation adjustments.

24. Supplemental Data

USGS quadrangles were used to obtain vertical control needed for the strip adjustments.

25. Photography

Photography was adequate and diapositives were of good quality.

Approved and forwarded:

H. P. Eichert, Chief Aerotriangulation Section Swell M. Bert,

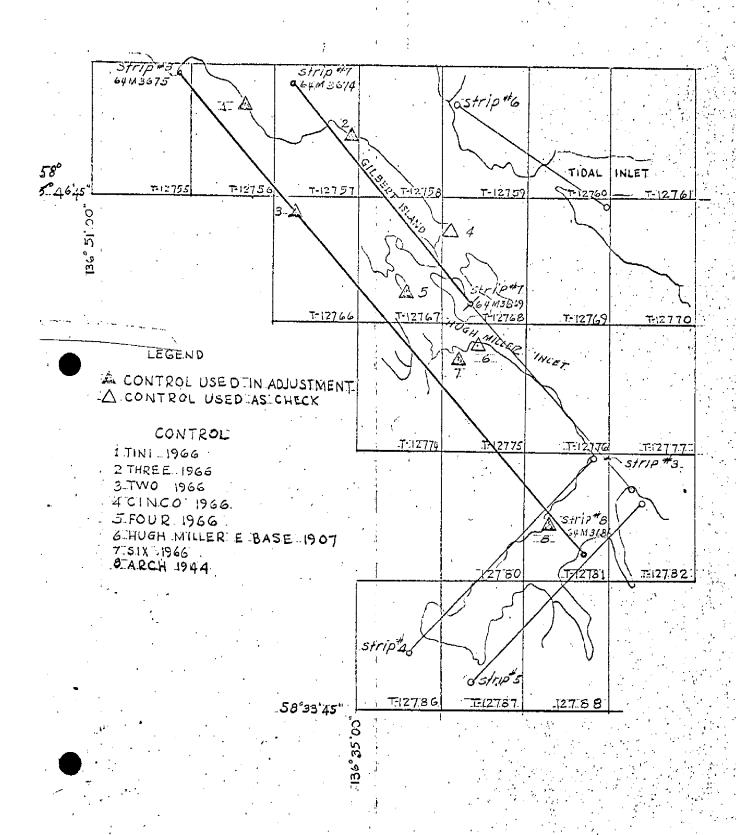
Donald M. Brant

NOTES TO COMPILER
Job PH-6502
Glacier Bay, Alaska

Common pass points on photo 64-M-3669 were used for Strip 3 (old bridge) and Strip 7 (new bridge). A discrepancy exists between common pass point positions from both bridges. However, it is believed that Strip 7 is the stronger bridge, as the pass points from the above mentioned photo on Strip 3 went beyond control.

In order to get a satisfactory junction between Strips 3 and 7 it may be advisable to mean positions of these common pass points.

AEROTRIANGULATION SKETCH GLACIER BAY, ALASKA JOB PH-6502



None



DESCRIPTIVE REPORT CONTROL RECORD

23 DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. ≈ 3048006 meter) (BACK) N.A. 1927 - DATUM (930.9) (737.8)(549.0)(528.5)(617.9)(202.6) 4/24/70 226.7 1238.7 1654.0 414.6 925.7 435.7 SCALE FACTOR FORWARD DATE LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE 40.03382" 14,10215" 53.45345" 25.81707" 29,917" 27.110" SCALE OF MAP 1:10,000 R. White 451 471 291 461 271 . 26 CHECKED BY 1360 136⁰ 580 280 580 1360 DATUM 1927 1927 1927 N.A. N.A. N.A. PH-6502 SOURCE OF INFORMATION (INDEX) 4/24/70 2 2 σ G.P. Vol. G.P. Vol. G.P. Vol. Pg. 1038 Pg. 1039 Pg. 66 DATE PROJECT NO. C. Blood ISLAND ALASKA, 1907 STATION MAP T- 12768 CINCO, 1966 **RANA**, 1964 COMPUTED BY

COMPILATION REPORT

T-12768

31. DELINEATION

This sheet was compiled using the Wild B-8 stereoplotter.

The field inspection was satisfactory.

32. CONTROL

See "Photogrammetric Plot Reports", dated August 1965 and January 1968.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details were compiled using field inspection data and from office interpretation of the photographs. The low water line and shoal lines were compiled mainly from office interpretation.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with sheets T-12775 to the south and T-12767 to the west. There is no shoreline to the north or east to effect a Junction.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

Field edit was adequate.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. Quadrangle MT. FAIR-WEATHER (D-2), ALASKA, scale 1:63,360, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Chart 8202, STEPHENS PASSAGE TO CROSS SOUND, scale 1:209,978, 15th edition, dated 21 October 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted: Richard R. White

Richard R. White

· Cartographic Technician

July 20, 1970

Approved:

Albert C. Rauck, Jr.

albut c. Ranck In.

Chief, Coastal Mapping Section, AMC

28 March 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12768

Blue Mouse Cove

Gilbert Peninsula

Glacier Bay

Glacier Bay National Monument

Hugh Miller Inlet

Approved by:

Chas. E. Harrington

Staff Geographer-C51x2

	PHO	TACRAMUST		
			RIC OFFICE REVIEW	NATIONAL OCEAN SURVEY
	•	T-1	1-2 7 68	
. PROJECTION AND GRIDS	2, TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
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CONTROL STATIONS			<u> </u>	
HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	ATIONS OF	6. RECOVERAS OF LESS TH (Topographic	BLE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY Stations)	7. PHOTO HYDRO STATIONS X X
	9. PLOTTING	DE CEVEANT	10. PHOTOGRAMMETRIC	11. DETAIL POINTS
BENCH MARKS	FIXES	OF SEXTANT	PLOT REPORT	THE BETALET OILTS
ALONGSHORE AREAS (Nautical				LIE BRIDGE
12. SHORELINE	13. LOW-WATER	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
16. AIDS TO NAVIGATION	17. LANDMARK	(S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
PHYSICAL FEATURES				
20. WATER FEATURES		21, NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
			ΧX	хх
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOUR	S IN GENERAL	25, SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
χχ	X	χ	хх	
CULTURAL FEATURES	<u> </u>	30,7		
27. ROADS	28. BUILDING	S	29. RAILROADS	-30. OTHER CULTURAL FEATURES
BOUNDARIES 31. BOUNDARY LINES	_ 		1 32. PUBLIC LAND LINES	
X X		<u>; </u>	хх	
MISCELLANEOUS 33. GEOGRAPHIC NAMES	×++	34. JUNCTION	S	35. LEGIBILITY OF THE MANUSCRIPT
RW .				<u>.</u>
36. DISCREPANCY OVERLAY	37. DESCRIPT	IVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
40. REVIEWER Richard / Richard R. W	?. White		SUPERVISOR, REVIEW SECTION Albert C. Rauck,	ranck. y
41. REMARKS (See attached she			<u>-</u>	
FIELD COMPLETION ADDITIO		TIONS TO THE	MANUSCRIPT	
42. Additions and correction script is now complete en	s furnished by t	he field comple ader item 43.	tion survey have been applied	to the manuscript. The manu-
A.L. Shands Reviewer: B.L. Ba		Date 11/2/71 11/3/71	Albert C. Rauck,	Ranck. J.
43. REMARKS	t Applied		eld edit ozalid and nd 36 7 0	d field ratios

FIELD EDIT REPORT

MAP T-12768

Glacier Bay

Field edit of map T-12768 was accomplished during July and August, 1970. Inspection was done from both a skiff and from a launch during and after the hydrography.

METHOD

Field photographs and a copy of the Field Edit Ozalid were examined in the field. The mean high water line was verified by visual comparison of the shore area to field photographs and ozalid. Notes on the heights of rocks, location of the MHWL, and other data pertaining to photo identifiable features have been made in violet on the Field Edit Ozalid and cross referenced where necessary, to field matte ratio prints. Station CINCO, 1966 was located by a substitute method and a separate Form 152 submitted. Unless otherwise indicated all shoreline features have been verified correct as interpreted. All notes are in violet ink on the following 1:10,000 field photos: 64M3669 and 64M3670.

All times are based on meridian 105° W.

ADEQUACY OF COMPILATION

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

Field inspection of the map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with Field Edit data provided and be accepted as an advance manuscript.

Respectfully submitted,

William D. Neff 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-12768

SHORELINE

June 3, 1975

61. GENERAL STATEMENT:

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

A comparison print showing differences noted in Items 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 (D-2), ALASKA, scale 1:63,360, dated 1950. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with verified copies of the smooth sheets for the following surveys:

<u>S</u> ı	ırvey	<u>Scale</u>	<u>Date</u>
H-9142	(FA-20-4-70)	1:20,000	1970
	(FA-10-7-70)	1:10,000	1970
	(FA-10-8-70)	1:10,000	19 7 0

Shoreline compared well. Where there was doubt about the mean lower low water line, it was removed from T-12768. Significant differences were 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. Significant differences were shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with job instructions, Bureau standards, and meets the requirements for National Standards of Map Accuracy. The existence of a rock at Lat. 58° 47.5 $^{\circ}$, Long. 136° 29.7 $^{\circ}$ should be proved during the next survey of this area.

Reviewed by:

Charles H. Bishop

Charles H. Bishop Cartographer June 3, 1975

Approved for forwarding:

Victor E. Serena

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.

