T-12775

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 Classification No. Field Edited	i
LOCALIT	Υ
State Alaska General Locality Glacier F Locality Hugh Mill	Bay er Inlet
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REGISTRY IN A	·

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

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 T¥. 12775
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DESCRIPTIVE REPORT DATA RECORD	RESURVEY	MAP CLASS 1
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PHOTOGRAMMETRIC OFFICE	REVISED	
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Coastal Mapping Division, Norfolk	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
Jeffrey G. Carlen	REVISED	19TO 19
I. INSTRUCTIONS DATED	<u> </u>	
I. OFFICE	2. 1	FIELO
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November 16, 1964	}	
December 18, 1969		
December 10, 1303		
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II. DATUMS	OTHER (Specify)	
I. HORIZONTAL: 🔀 1927 NORTH AMERICAN	Control (opecity)	
▼ MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL:		
[X] MEAN LOWER LOW-WATER [] MEAN SEA LEVEL		
3. MAP PROJECTION	4. 0	GR10(\$)
Polyconic	STATE Alaska	ZONE 1
5. SCALE	STATE	ZONE
1:10,000		
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	G. Ball; D. Bran	t 8/65; 1/68
I. AEROTRIANGULATION METHOD: Analytic Landmarks and aids by		.0 10/00; 1/08
2. CONTROL AND BRIDGE POINTS PLOTTED BY	C. Blood	Apr., 1970
метнор: Coordinatograph снескев ву	R. White	Apr., 1970
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	A.L. Shands L.O. Neterer	May, 1970 May, 19 7 0
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 and Graphic contours by	N.A.	Play, 1370
scale: 1:15,000 and 1:10,000 CHECKED BY		
4. MANUSCRIPT DELINEATION PLANIMETRY BY	B. Wilson	May, 19 7 0
CHECKED BY		
метнор: Smooth ink drafting contours by	N.A.	
CHECKED BY	R. Pate	May, 19 7 0
SCALE: 1:10,000 HYDRO SUPPORT DATA BY	B. Wilson	May, 1970
CHECKED BY	R. Pate	May, 1970 May, 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	B. Barge	Nov., 1971
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	A. Shands	Nov., 19 7 1
7. COMPILATION SECTION REVIEW BY	A. Shands	Nov., 1971
8. FINAL REVIEW BY	C. Bishop	J une, 19 7 5
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	<u> </u>	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	120 11 2	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY NOAA FORM 76-36A SUPERSEDES FORM C& GS 181 SERIE	n. francia	Ung 26, 1925
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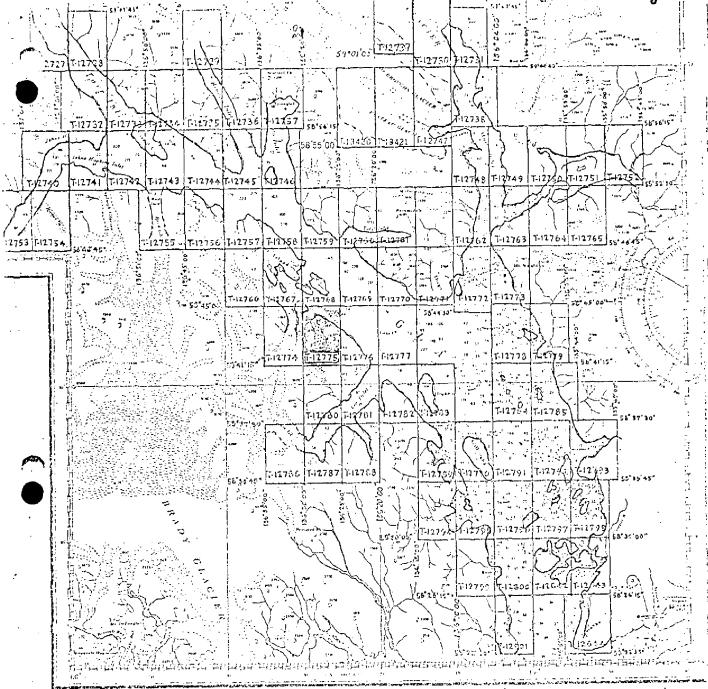
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5. GEOGRAPHIC N	NAMES	OMPLETE						
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6. PHOTO INSPEC	TION CLARIF	ICATION OF DETAILS B		Shear	ouse		Aug.,	1964
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3. PHOTO NUMBE	RS (Clarification of details)			<u> </u>	<u></u>		
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7. SUPPLEMENTA	L MAPS AND PLANS							
	None							
8. OTHER FIELD	NONE RECORDS (Sketch books, e	tc. DO NOT list data subs	nitted to the	Geodesv D	ivision)			
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3. VERTICAL CO	NTROL	N.A.	ESTABLISHED B	Υ			· · · · · · · · · · · · · · · · · · ·		
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NOÃA FORM 7636C (3-72)	HISTORY (PIELD INSPECTION OPERATION OPERA	T-12775 ISTORY OF FIEL			ANIC AND ATMOSPHE	ERIC ADMINI	OMMERCE	
1. FIELD INSP	ECTION OF	PERATION	[⊠ FI	IELD EI	DIT OPERATION			
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1. CHIEF OF FIEL	-D PARTY			J	ohn B. Wa	ıtkins, J r.	,	
2. HORIZONTAL C	CONTROL		ESTABLISHED E	BY				
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I. MANUS	CRIPT COPIES					
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IV. SURY	EY EDITIONS (This section	·		edition is regi		
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4.	ATA TO FEDERAL RECORDS	CENTER. DATE FORWARDES):
IV. SURVEY	EDITIONS (This section shall	be completed each time a new i	map edition is registered)
	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND	TP (2) PH	REVISED RESURVEY
EDITION	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS
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	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
THIRD	TP (3)) Рн	REVISED RESURVEY
EDITION	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS
			□II. □III. □IV. □V. □FINAL
	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
FOURTH	TP(4) PH	REVISED RESURVEY
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REVISED 9-5-72 RWW

JOB PH-6502 GLACIER BAY ALASKA

Shareline Mapping

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12775

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. Horizontal control required for bridging was identified at this time. One additional required station was established and identified in the summer of 1966.

Bridging was done by analytic aerotriangulation methods in the Rockville Office in August 1964 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 stereoplotter, with 1:40,000 scale photography, taken in June 1964. Because of the lack or steroscopic coverage of shoreline north of Lat. 58° 44' and west of Long. 136° 29', compilation in this area was accomplished by means of a graphic extension to the B-8 model. The time of photography was near low tide.

Field edit was done in conjunction with hydrography in July and 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 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 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 boulderstrewn beaches.

There are two major inlets on the southoast 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

Charles March

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, EISE, 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.

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 GEINIE and should consist of a combination of triangulation and electronic traverse.

William H. Sherisus

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 I	DENTIFIED	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	уев	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	n o	
DUCE 1939	yes	no	
ENTER 1939	уев	no .	
KILL 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	yes	no	
JUMBO 1944	yes	no	
MID-1944	yes	no	
BUTE 1944	yes	סמ	

STATION NAME	RECOVERED	IDENTIFIED	· PHOTO NO.	
VEIN 1944	yes	no		
ROUND ?	yes	no		
SNOW 1944	yes	no		
BALD 1944	yes	no		
KNOB 1944	yes	уев	64 и 3749	(contact)
DINGO 1944	no	فعي		
CUBE 1944	yes	уев	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	₩0 ¥05	•	
FLAT 1939	yes	yes	64 и 3666	(enlarg)
HUGH MILLER W BASE 1907	no		- · · · · · · · · · · · · · · · · · · ·	
HUGH MILLER E BASE 1907/1944	yes	yes	64 M 3668	(enlarg)
GL00MY 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	(onlarg)
GEIKIE 1939	yes	no		
LONE 1939	yes	no		
RANA 1964	yes	yes	64 M 3669	contact (岩岩岩岩)
ACE 1964	yes ,	yes	64 M 3765	(contact)
FLAG 1944	yes	no		
NORTE 1939	yes	no	•	
QUICK 1939	yes	no	<i>,</i>	

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

George M. D

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

TAR, 1939

Ties to Strip #2

STRIP #2

JILL, 1938

EVER, 1939

STRIP #3

LSE, 1939

 \odot

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

(-0.5 +0.3) (-2.8 +1.0)

SS#1 SS#2 Tie points to Strip #3

Tie points to Strip #4

STRIP #6

TLINGIT, 1939

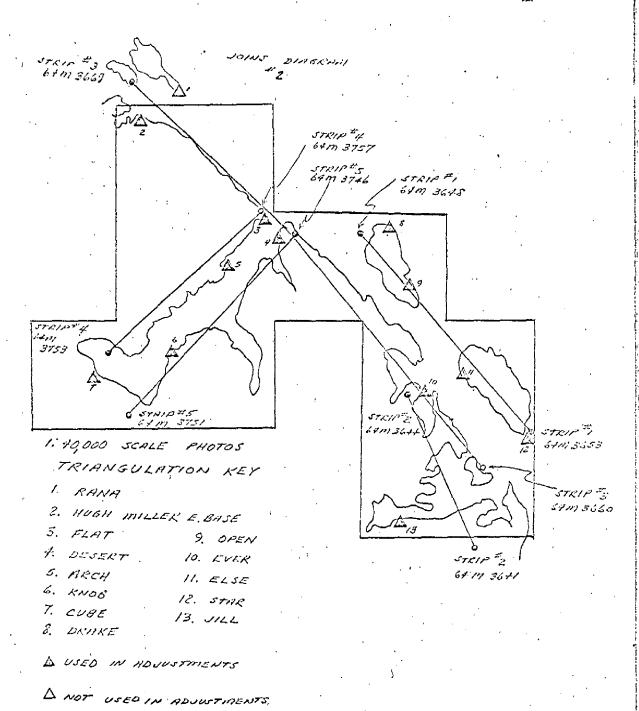
DONE, 1939

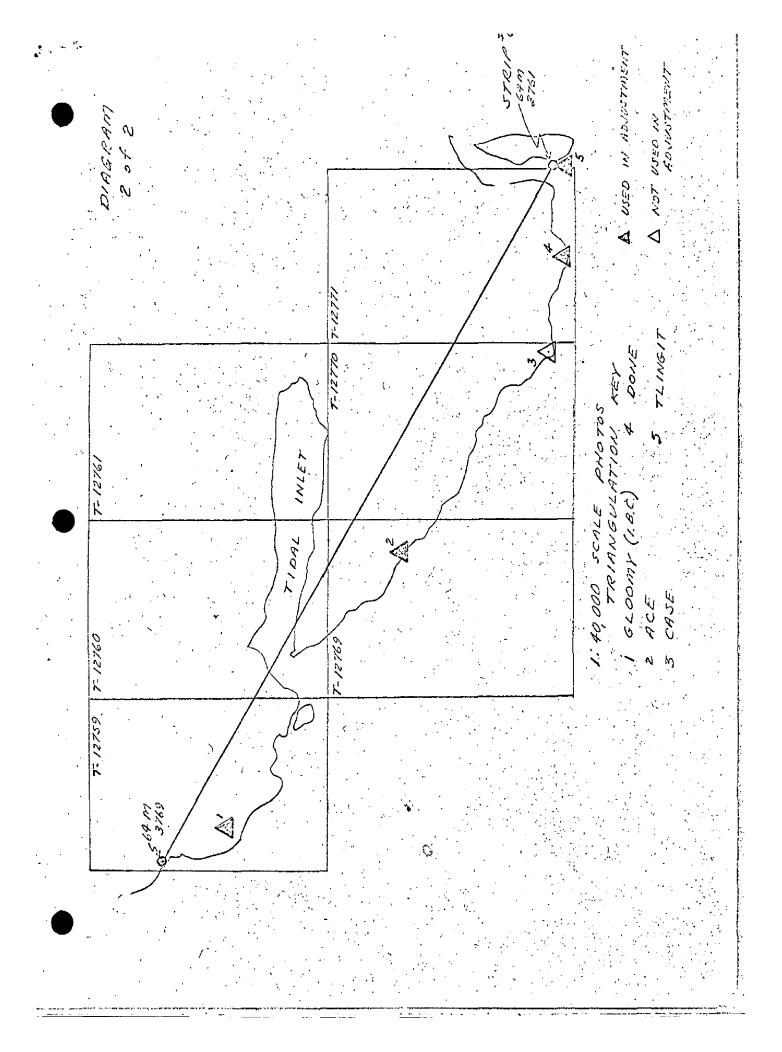
CASE, 1939 (Neither of these points were clearly seen)

ACE, 1964

GLOOMY, 1907

GLACIER BAY
DIAGRAM





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. Előhert, Chief Aerotriangulation Section Submitted by:

Donald M. Brant

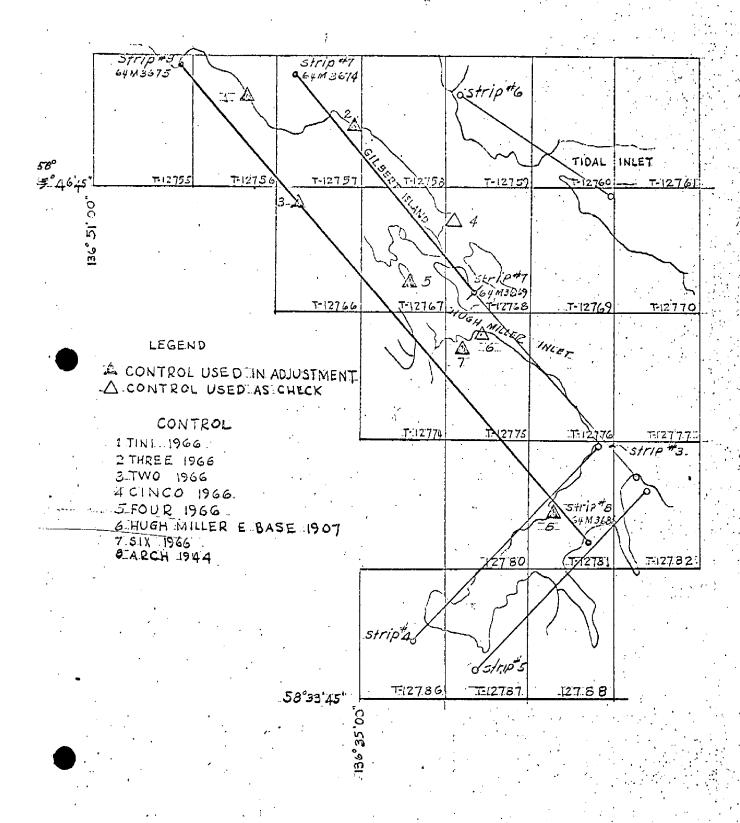
NOTES TO COMPILER Job PH-6502 Glacier Bay, Alaska

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

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	C & G S- 164)
Ę(F O R M
FORM 76-4	M-DC 371 ERLY
NOAA 6	USCOMM-DC 34166-P71 (FORMERLY

DESCRIPTIVE REPORT CONTROL RECORD

1	ON LINE				İ									;					23
None	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Pt. = 3048006 meter) ORWARD (8ACK)	(1224.0)	(676.2)	(1377.9)	(6.269)	(175.2)	(57.7)												1/70
SCALE FACTOR N	DISTANCE FRC IN METERS	632.5	289.0	478.6	267.4	1681.3	2.706		· · · · · · · · · · · · · · · · · · ·									DATE	4/24/70
SCALE OF MAP 1:10,000 SCA	LATITUDE OR Y COORDINATE	58 ⁰ 44' 20.44260"		58 ⁰ 44' 15,467"	136 ⁰ 28' 16.621"	58 ⁰ 43* 54,338*	136 ⁰ 26' 56.416"											CHECKED BY	R. White
SCA	DATUM	N.A.	1927	N.A.	1927	N.A.	1927		•	•		1	,						
NO. PH-6502	SOURCE OF INFORMATION (INDEX)	G.P. Vol. 3	Pg. 1038	G.P. Vol. 9	Pg. 66	G.P. Vol. 9	Pg. 65											DATE	4/24/70
MAP T- 12775 PROJECT NO.	STATION		SIX, 1966	HUGH MILLER EAST BASE	,		CAMP ALASKA, 1907											COMPUTED BY	C. Blood

COMPILATION REPORT

T-12775

31. DELINEATION

The Wild B-8 plotter was used. Photography was satisfactory. Field inspection was adequate.

32. CONTROL

See "Photogrammetric Plot Report", for Project 21511 dated Aug., 1965 and Job PH-6502 dated Jan. 8, 1968.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated from office interpretation of the photos.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline, all foreshore details and the mean lower low water line were delineated as inspected.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions have been made with:

T-12774 to the west

T-12776 to the east

T-12768 to the north

T-12780 to the south

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

Field edit was adequate.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle, MT. FAIRWEATHER (C-2), ALASKA, scale 1:63,360, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been 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

Respectfully submitted:

B. Wilson, 15 May 1970

Charles H.Brshop

Cartographic Technician

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

but a Ranch y

28 March 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12775

Charpentier Inlet

Glacier Bay National Monument

Hugh Miller Inlet

Approved by:

Chas. E. Harrington Staff Geographer-C51x2

NOAA FORM 75-74				S. DEPARTMENT OF COMMERCE
PHOTOGRAMMETRIC OFFICE REVIEW				NOAA NATIONAL OCEAN SURVEY
T=12.775				
1. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
	_			
RJP	RJP		ŖĮР	RJP
CONTROL STATIONS				
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		6. RECOVER AE OF LESS TH (Topographic	LE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
RJP		(Topograpme	RJP	x x
8. BENCH MARKS	9. PLOTTING OF	F SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
хх	ΧX		RJP	RJ₽
ALONGSHORE AREAS (Nautical Chart Data)				
12. SHORELINE	13. LOW-WATER LINE		14. ROCKS, SHOALS, ETC.	15. BRIDGES
RJP	RJP		RJP	хх
16. AIDS TO NAVIGATION	17, LANDMARKS		18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
хх	RJP		RJP	ΧX
PHYSICAL FEATURES				
20. WATER FEATURES	21, NATURAL (ROUND COVER	22. PLANETABLE CONTOURS
RJP		хх		χχ
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
хх	хх		x x	хх
CULTURAL FEATURES				
27. ROADS	28. BUILDINGS		29. RAILROADS	-30. OTHER CULTURAL FEATURES
хх	хх		хх	хх
BOUNDARIES				
31. BOUNDARY LINES X X			32. PUBLIC LAND LINES X X	
MISCELLANEOUS 33. GEOGRAPHIC NAMES		34. JUNCTIONS	5	35. LEGIBILITY OF THE
RJP		D 7 D		MANUSCRIPT
36. DISCREPANCY OVERLAY	37. DESCRIPTI	RJP	20 FIELD INSPECTION	RJP
		TE REFORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
RJP	RJP	Da+a	RJP SUPERVISOR, REVIEW SECTION	RJP
Charles Host	7 - 	Date	SUPERVISOR, REVIEW SECTION	wok. h
for R.J. Pate		5/19/ 7 0	Albert C. Rauck	
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 poted under item 43.				
COMPHER Charles Charles Data ISHDERVISCO				
fB.L. Barge		1/3/71	! albert C. K	anok. Ji
Review A.L. Sha		1/4/71	Albert C. Rauck,	
43. REMARKS				
Field Edit Applied From: Field photographs 64 M 3668				
and 3669 and the field edit ozalid T-12775.				

FIELD EDIT REPORT

MAP T-12775

Glacier Bay

Field edit of map T-12775 was accomplished during July and August, 1970. Inspection was done from a skiff 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. 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 photo: 64M3669.

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.

Features identified as ledges in Charpentier Inlet are talus areas.

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 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-12775

SHORELINE

June 24, 1975

61. GENERAL STATEMENT:

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

A comparison print, showing differences noted in Par. 64 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. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with verified copies of the smooth sheets for Surveys H-9139 (FA-20-4-70), scale 1:20,000, dated 1970 and H-9143 (FA-10-8-70), scale 1:10,000, dated 1970. Significant differences were shown on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 8202, scale 1:209,978, 18th edition, dated Nov. 23, 1973. No significant differences were noted. The chart scale is too small for an adequate comparison.

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 HB18hop

Charles H. Bishop Cartographer June 24, 1975

Approved for forwarding:

Victor E. Serena

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.



