# **T-12771**

### NOAA FORM 76-35

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

# **DESCRIPTIVE REPORT**

Type of Survey Shoreli  Job No. PH-6502	Map No. T-12771
Classification No.	Edition No1
Field Edited	
LOCAL	TY
State Alaska	
General Locality Glacier	Bay
Locality Tlingit Point	:
·	
, 19 <sub>64</sub> TO	<b>19</b> 70
REGISTRY IN	ARCHIVES
DATE	

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION



NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE	TYPE OF SURVEY	SURVEY TX 12771
(3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	1 _	
	ORIGINAL .	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS 1
·	REVISED	јов <b>Рн</b> - 6502_
PHOTOGRAMMETRIC OFFICE	LAST PRECED	ING MAP EDITION
Coastal Mapping Division (Norfolk)	TYPE OF SURVEY	JOB PH
	ORIGINAL ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
Jeffrey G. Carlen, CDR	REVISED	19TO 19
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELO
November 16, 1964		
December 18, 1969		
		!
	*	
ii. DATUMS	<u></u>	
	OTHER (Specify)	
1. HORIZONTAL:     X 1927 NORTH AMERICAN		
MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL:    MEAN LOW-WATER   MEAN LOWER LOW-WATER		
MEAN SEA LEVEL		
3. MAP PROJECTION	4. (	GRID(S)
	STATE	ZONE
Polyconic	Alaska	1.
5. SCALE	STATE	ZONE
1:10,000	<u> </u>	
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	G. Ball	Aug., 1965
METHOD: Analytic Landmarks and aids by		
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: COORdinatograph CHECKED BY	C. Blood	Apr., 1970
	R. White A.L. Shands	Apr., 1970 May, 1970
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L.O. Neterer	May, 1970
INSTRUMENT: Wild B-8 CONTOURS BY	N.A.	
SCALE: 1:15,000 CHECKED BY		
4. MANUSCRIPT DELINEATION PLANIMETRY BY	F.P. Margiotta_	May, 1970
CHECKED BY	R. Pate	May, 1970
метнор: Smooth ink drafting снескер ву	N.A.	
HYDRO SUPPORT DATA BY	F. Margiotta	May, 1970
SCALE: 1:10,000 CHECKED BY	R. Pate	May, 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	R. Pate	May, 1970
6. APPLICATION OF FIELD EDIT DATA	A. Shands	Oct., 1971
CHECKED BY	B. Barge	Nov., 1971 Nov., 1971
7. COMPILATION SECTION REVIEWFIELD 5. CHECKET BY  8. FINAL REVIEW BY	B. Barge C. Bishop	Nov., 1971 June, 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		0 4110, 1373
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY 11. MAP REGISTERED - COASTAL SURVEY SECTION BY NOAA FORM 76-36A SUPERSEDES FORM C& GS 181 SERIES	n.g Francis	aug. 26, 1973



NOAA FORM 76-36B (3-72)		co	T-12771   MPILATIO	NATIONAL O	U. DCEANIC AND	ATMOSPHERI	ENT OF COMMERC C administratio al ocean surve
1. COMPILATION PHO CAMERA(S)	TOGRAPHY		TYPE	S OF PHOTOGRAP)	IY	TIME REF	FERENCE
TIDE STAGE REFEREN  PREDICTED TIDES  REFERENCE STAT  TIDE CONTROLLE	(Willough)	by Id)	(C) COL X (P) PAN (I) INF	CHROMATIC	MERI	cific	<b>∑</b> STANDARI
NUMBER AND	TYPE	DATE	TIME	SCAL	E	STAGE (	OF TIDE
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REMARKS							
2. SOURCE OF MEAN	v <sub>2</sub>						
	ection (Au	ıg. 1964 <b>)</b> ,		Edit <b>(</b> Aug.	19 <b>7</b> 0), a	nd offic	e
3. SOURCE OF MEAN	LOW-WATER OR	MEAN LOWER L	OW-WATER L	.INE:	<del>_</del> .		
Office int	erpretatio	on of phot	cographs	listed abo	ve.		
4. CONTEMPORARY H							

5. FINAL JUNCTIONS NORTH  $N_{\mbox{\scriptsize O}}$ south No EAST WEST T-12772 Contemporary Survey T-12770 Contemporary Survey REMARKS

NOAA FORM 76-36C U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY T-12771 HISTORY OF FIELD OPERATIONS I. K FIELD INSPECTION OPERATION FIELD EDIT OPERATION OPERATION NAME DATE Summer R.H. Houlder 1. CHIEF OF FIELD PARTY 1964 R.H. Houlder 1964 RECOVERED BY Aua. 2. HORIZONTAL CONTROL N.A. ESTABLISHED BY W.H. Shearouse PRE-MARKED OR IDENTIFIED BY Aug. 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 X NO INVESTIGATION Aug. 1964 W.H. Shearouse 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY  $N.\overline{A}$ 7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY II. SOURCE DATA 2. VERTICAL CONTROL IDENTIFIED 1. HORIZONTAL CONTROL IDENTIFIED PHOTO NUMBER PHOTO NUMBER STATION DESIGNATION STATION NAME 64 M 3762 CASE 1939 64 M 3761 DONE 1939 TLINGIT 1939 64 M 3**7**61 3. PHOTO NUMBERS (Clarification of details) 64 M 3761 and 3762 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME

7. SUPPLEMENTAL MAPS AND PLANS

None

5. GEOGRAPHIC NAMES:

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

NONE

REPORT

Field Inspection Report and 3 CSI cards.

REPORT

X NONE

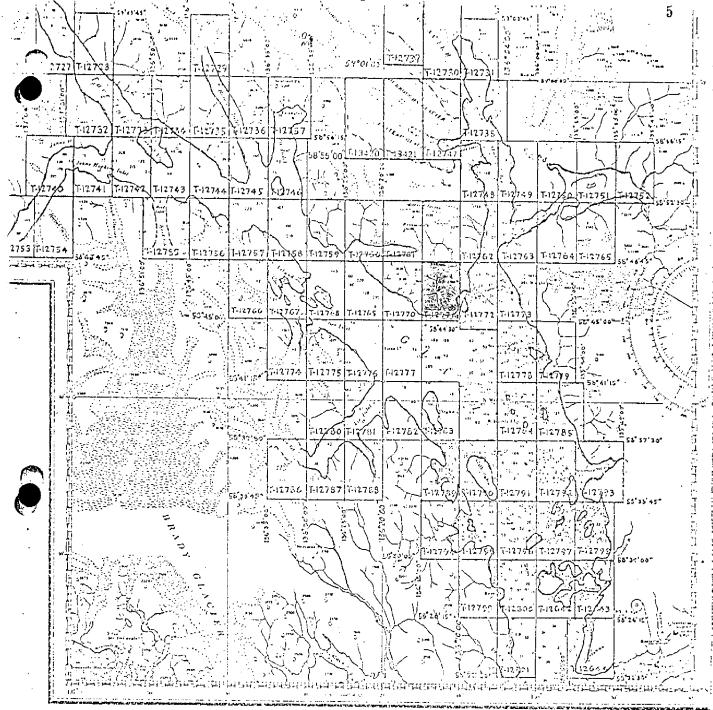
6. BOUNDARY AND LIMITS:

NOAA FORM <b>76—36</b> (3—72)	C	T-12771 History of Field		INIC AND ATMOSPHER	ENT OF COMMERCIC ADMINISTRATION IN COMMERCIES IN COMMERCIE
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	OP	ERATION	-	NAME	DATE
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			John B. Wat	tkins, Jr.	<u>19<b>7</b>0</u>
2. HORIZONTAL (	CONTROL	RECOVERED BY	N.A.		.
E. HOWLOWARE	SONTINGE	PRE-MARKED OR IDENTIFIED BY			
		RECOVERED BY	N.A.	<del>, .</del>	<del>-  </del>
. VERTICAL CON	NTROL	ESTABLISHED BY			
		PRE-MARKED OR IDENTIFIED BY			
	RE	COVERED (Triangulation Stations) BY	None	<del></del> -	·
LANDMARKS AL	ND	LOCATED (Field Methods) BY			
AIDS TO NAVIG		1DENTIFIED BY			
		TYPE OF INVESTIGATION			
<ol> <li>GEOGRAPHIC N INVESTIGATION</li> </ol>		COMPLETE			
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. PHOTO INSPEC . BOUNDARIES A		CLARIFICATION OF DETAILS BY	N.A.	.m	Aug. 1970
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PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DE	SIGN A TION
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3. PHOTO NUMBE	RS (Clarification	on of details)			
		2, and 3763			
4. LANDMARKS A	ND AIDS TO N.	AVIGATION IDENTIFIED			1 113111
	None				
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
5. GEOGRAPHIC N	IAMES.			_ ,	<del></del>
SUPPLEMENTA		REPORT NONE	6. BOUNDARY AN	D LIMITS: REPO	RT X NONE
	None				
B. OTHER FIELD I		tch books, etc. DO NOT list date submit	ted to the Geodesy D	ivision)	
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NOAA FORM 76-36D (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

T-12771

			RECOR	RD OF SURVEY	USE			
1. MANUSCR	IPT COPIES							· · · · · · · · · · · · · · · · · · ·
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	ATA COMPILED	<del> </del>	DATE		AA RKS	MAR	RINE CHARTS	HYDRO SUPPORT
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	dit applied, tion complete	0c	t. 19 <b>7</b> 1	Class I Superse				
Final R	eview	Ju	ne 1975					
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	RKS AND AIDS TO NAVIGA		I NAUTICAL	DATA BRANCH				
NUMBER	CHART LETTER NUMBER ASSIGNED	1	DATE RWARDED	DATA BRANCH		REMARKS	3	
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IV. SURVE	Y EDITIONS (This section	shall b			edition is re			
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SECOND	DATE OF PHOTOGRAP	_ (2)	DATE OF FI	ELD EDIT		_	IAP CLASS	
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FOURTH	TP	_ (4)	PH			L_ REVISE:		SÜRVEY
EDITION	DATE OF PHOTOGRAS	·H Y	DATE OF F	IELD EDIT	<b>□</b> 11.		MAP CLASS ]iv. □v.	FINAL



REVISED 9-5-72 RIVA

JOB PH-6502 GLACIER BAY ALASKA

Shoreline Mapping

### SUMMARY TO ACCOMPANY

### DESCRIPTIVE REPORT T-12771

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 and identification of horizontal control required for bridging was done in August 1964.

Bridging was done by analytic aerotriangulation methods in the Rockville Office in August 1965, using 1:40,000 scale 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. Photographs were ratioed to 1:10,000 scale for photo-hydro support and field edit use. The time of photography was near low tide.

Field edit was done in conjunction with hydrography in August 1970. Data submitted was contradictory. See Par. 41, Compilation Report, bound with this Descriptive Report.

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 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

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 CASE and GETKIE 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.
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)
EISE 1939	уез	yes	64 M 3649 (enlarg)
VENT 1939	yes	no	
SINK 1939	уов	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	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	no	

STATION NAME	RECOVERED	IDENTIFIED	PHOTO NO.
VEIN 1944	yes	no	• •
ROUND ?	yes	no	
SN <b>O</b> W 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	NO <del>You</del>	
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	уез	yes	64 M 3768 (enlarg)
CASE 1939	yes	yes	64 M 3762 (enlarg)
DONE 1939	yes	yes	64 M 3761 (enlarg)
TLINGIT 1939	yes	уев	64 M 3761 (enlarg)
GEIKIE 1939	yes	no	
LONE 1939	yes	no	
RANA 1964	yes	yes	contact 64 M 3669 (松雄雄)
ACE 1964	yes i,	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° 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

Fran, 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)

Ties to Strip #2

Ties to Strip #1

STRIP #4

SS#1 SS#2

(-1.8 +1.3) (+1.5 +1.5)

KNOB, 1944

SS#1 (+2.5 -8.4) SS#2 (+1.6 -0.9)

CUBE, 1944

SS#1 (-0.5 +0.3) SS#2 (-2.8 +1.0) Tie points to Strip #3

Tie points to Strip #4

STRIP #6

TLINGIT, 1939

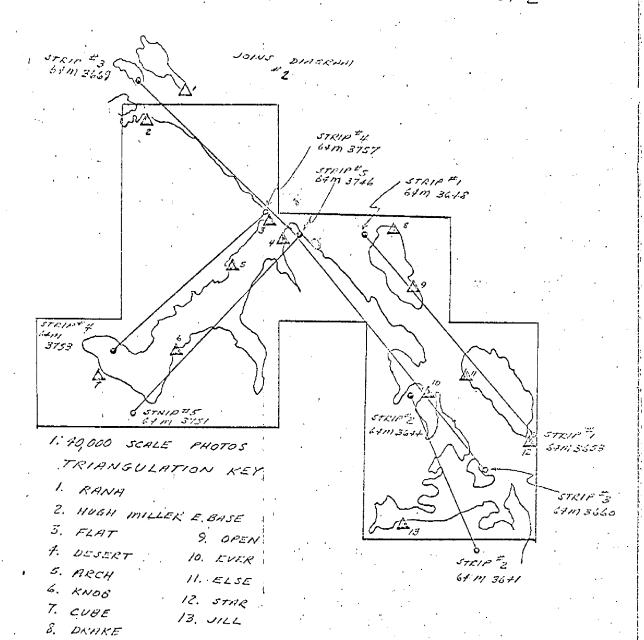
DONE, 1939

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

ACE, 1964

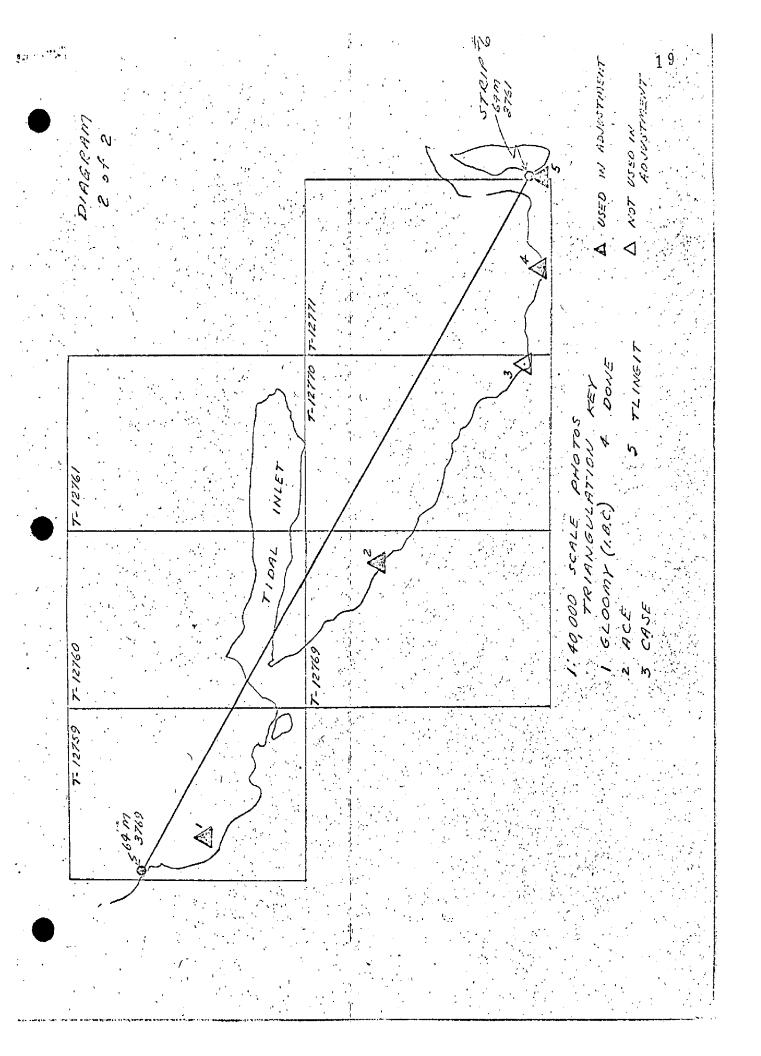
GLOOMY, 1907

GLACIER BAY DIAGRAM 1 of 2



A USED IN HONUSTMENTS

A NOT USED IN ADJUSTMENTS.





C & G S- 164)	
76-41 FORM	
NOAA FORM (2-71) USCOMM-DC 34168-P71 (FORMERLY	

# DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12771 PROJECT NO.	T NO. PH-6502	scA	SCALE OF MAP_1:10,000sc	SCALE FACTOR None	
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM .  DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (1980)	TUM ROJECTION LINE
		N.A.	58 <sup>0</sup> 45' 00.800"	24.8 (1831.8	
TLINGIT, 1939	Pg. 806	1927	136 <sup>0</sup> 10' 26.741"	430.0 (534.9)	1.9)
		N.A.	451		1.3)
DONE, 1939	Pg. 806	1927	136 <sup>0</sup> 12 <sup>t</sup> 47.824 <sup>tt</sup>	769.1 (195.8)	5.8)
	•	N.A.	58 <sup>0</sup> 45' 13.806"	427.2 (1429.4)	9.4)
CASE, 1939	Pg. 791	1927	136 <sup>0</sup> 14' 55.151"	8.988	(78.0)
	,				
		•			
			•		
	-				
COMPUTED BY	DATE		CHECKED BY	DATE	2 (
. C. Blood	4/24/70		R, White	4/24/70	)

### COMPILATION REPORT

### T-12771

### 31. DELINEATION

The Wild B-8 plotter was used. Photographic coverage was adequate. Delineation was accomplished by field inspection notes and by office interpretation of the photographs.

### 32. CONTROL

See "Photogrammetric Plot Report", dated August 1965.

### 33. SUPPLEMENTAL DATA

None

### 34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was office interpreted and compiled by the Wild B-8 plotter.

### 35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line, lower low water line and along-shore details were compiled with the Wild B-8, using 1:40,000 scale diapositives.

### 36. OFFSHORE DETAILS

No statement

### 37. LANDMARKS AND AIDS

None

### 38. CONTROL FOR FUTURE SURVEYS

None

### 39. JUNCTIONS

A satisfactory junction was made with T-12770 to the west, and T-12772 to the east. There is no contemporary survey to the north or south.

### 40. HORIZONTAL AND VERTICAL ACCURACY

No statement

### 41. FIELD EDIT

Field edit was contradictory. On the Field Edit Ozalid, statements were made that the mean high water line was correct as compiled, and cross-referenced to Photos 64 M 3761 and 3762. The same stretches of shoreline were identified on both of these photos in different places, neither in agreement with the MHWL on the ozalid. Therefore, the location of the MHWL was a matter of the compilers judgment as to which data to use. For the most part, MHWL identification on Photo 64 M 3761 was used.

### 46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangle MT. FAIR-WEATHER (D-1), ALASKA, scale 1:63,360, dated 1948.

### 47. COMPARISON WITH NAUTICAL CHARTS

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

### ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

### ITEMS TO BE CARRIED FORWARD

None

Submitted:

Frank P. Margiotta, Cartographic Aid

May 15, 1970

Approved:

Albut C. Ranck. J. Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

28 March 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12771

Glacier Bay

Glacier Bay National Monument

Sebree Cove

Tlingit

Approved by:

Chas. E. Harrington Staff Geographer-C51x2

NOAA FORM 75-74			U	S.DEPARTMENT OF COMMERCE
(2-74)	PHO	TOGRAMMET	RIC OFFICE REVIEW	NATIONAL OCEAN SURVEY
	1110		.2 <b>7</b> 71_	
1. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
I. PROJECTION AND GRIDS			S. MANUSCRIFT NOMBERS	1
RJP	RJP		RJP	RJP
CONTROL STATIONS		T		17
5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	ATIONS OF CCURACY		LE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
F	<b>J</b> P	(Topographic	χ χ	X X
8. BENCH MARKS	9. PLOTTING OF FIXES	F SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
χχ	хх		RJP	χх
ALONGSHORE AREAS (Nautical	Chert Data)			
12. SHORELINE	13. LOW-WATER	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
RJP	RJP		RJP	хх
16. AIDS TO NAVIGATION	17. LANDMARK	(S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
χχ	хх	•	RJP	хх
PHYSICAL FEATURES	<u> </u>			
20. WATER FEATURES	. <del>.</del>	21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
RJP			χχ	хх
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOUR	S IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
хх	x x		· x x	RJP
CULTURAL FEATURES	<del>-1</del>			
27. ROADS	28, BUILDING	s	29. RAILROADS	30. OTHER CULTURAL FEATURES
хх	хх	:	хх	хх
BOUNDARIES			130	
31. BOUNDARY LINES			32. PUBLIC LAND LINES	
ХХ	··,	<del></del>	λ λ	
MISCELLANEOUS 33. GEOGRAPHIC NAMES	· <del></del>	34. JUNCTION	S	35. LEGIBILITY OF THE
			DID	
RJP	109	<u> </u>	RJP	RJP
36. DISCREPANCY OVERLAY	37. DESCRIPT	IVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
RJP	RJP		RJP	RJP
40. REVIEW Railes / Bu	shop	Date	SUPERVISOR, REVIEW SECT	
for R.J. Pate	,	5/21/70	Albert C. Rauck	Kauck.gr.
41. REMARKS (See attached she	eet)	······································		
FIELD COMPLETION ADDITIO	NS AND CORREC			
42. Additions and correction script is now complete ex	s furnished by t	he field comple ider item 43.	tion survey have been applied	to the manuscript. The manu-
COMPLETALLO 1813	rshop	Date	SUPERVISOR + d	Rouch O.
A.L. Shands		10/27/71	Albert C. Rauch	In In
Reviewer: B.L. Ba	rge	11/1/71	Albert C. Rauch	C, UI.
43. REMARKS				

Field Edit Applied From - Field Edit Ozalid and Ratio Photos 64 M 3761 - 3763.

### FIELD EDIT REPORT

MAP T-12771

Glacier Bay

Field edit of map T-12771 was accomplished during August, 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 and cross referenced where necessary to field ratio photographs 64M3761, 64M3762, and 64M3763. Unless otherwise indicated all shoreline features are correct as interpreted.

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 the notes and be accepted as an advance manuscript.

Respectfully submitted,

Martin R. Mulhern
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-12771

### SHORELINE

June 17, 1975

### 61. GENERAL STATEMENT:

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

A comparison print, showing differences noted in Par. 62, is bound with the original of this report.

### 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No registered topographic surveys were available for comparison west of Long.  $136^{\circ}$   $13^{\circ}$ . East of this longitude, a comparison was made with Survey T-6756, scale 1:20,000, dated May June 1940. Significant differences were indicated in blue on the comparison print.

In the area compared, T-12771 supersedes T-6756 for nautical chart construction purposes. T-6756 is the latest registered prior survey of the area.

### 63. COMPARISON WITH MAPS OF OTHER AGENCIES:

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

### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a verified copy of the smooth sheet for Survey H-9139 (FA-20-4-70), scale 1:20,000, dated 1970. No significant differences were noted.

### 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 adequate comparison.

### 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.

Reviewed by:

Charles H. Bishop

Charles H. Bishop Cartographer June 17, 1975

Approved for forwarding:

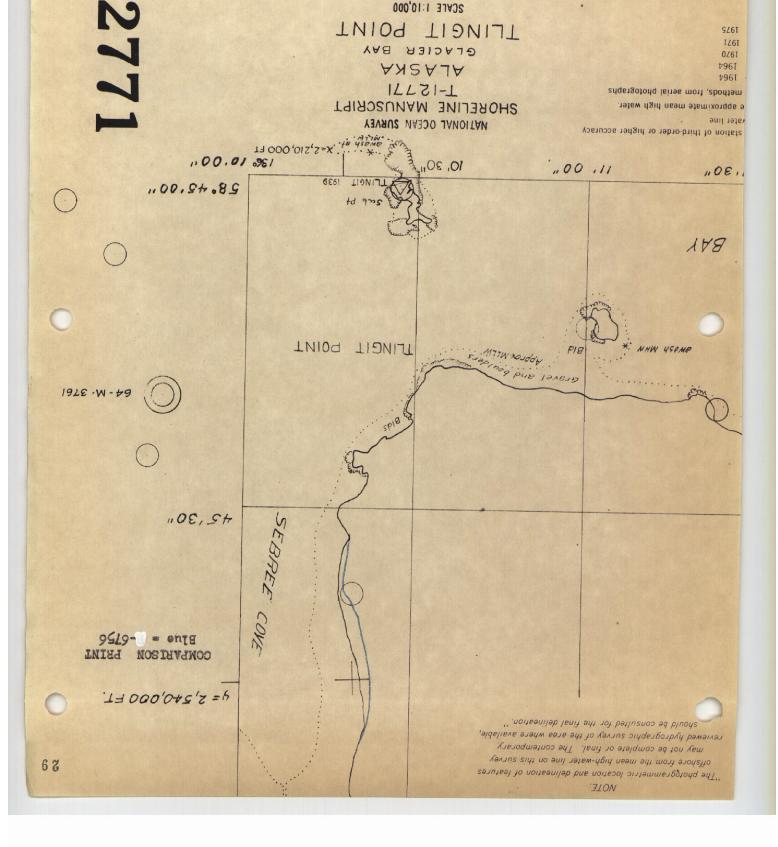
Victor E. Serena

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.



Detum plane Mean High Water

() inch = 839.33 ft)
CONTROL DATA
Polyconic projection 1927 North American Datum

no based bile foot 000,2

Aleska (Zone I) plane coordinate system