7-12759

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey	Shorel	ine	
Job No. PH	I-6502	Map No. T-12759	
Classification I	Vo.	Edition No	
Field Ed	lited		
	LOCALIT	Υ	
State	Alaska		
General Localit	Glacier I	Bay	
Locality	Vivid Lake		
			i
-	19 64 TO	19 70	
R	EGISTRY IN AF	RCHIVES	
DATE		•	
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 (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY X. T-12759
OSERIIO AND AIMOSPRERIC ADMIN.	O ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT DATA RECORD	RESURVEY	I MAP CLASS
DESCRIPTIVE REPORT - DATA RECORD	-	6502
PHOTOGRAMMETRIC OFFICE	REVISED	
		ING MAP EDITION
Coastal Mapping Division (Norfolk)	TYPE OF SURVEY	JOB PH-
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
Jeffrey G. Carlen	REVISED	19TO 19
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
November 16, 1964		
December 18, 1969		
II. DATUMS		
1. HORIZONTAL: TE 1927 NORTH AMERICAN	OTHER (Specify)	
MEAN HIGH-WATER	OTHER (Specify)	
☐ MEAN LOW-WATER 2. VERTICAL:		
MEAN SEA LEVEL		
3. MAP PROJECTION		GR(D(S)
Polyconic	Alaska	ZONE
5. SCALE	STATE	ZONE
1:10,000	<u> </u>	<u> </u>
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	G. Ball, D. Bra	
METHOD: Analytic LANDMARKS AND AIDS BY	C. Blood; A. Sh	ands 4/70: 5/70
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: COORDINATOGRAPH CHECKED BY	R. White	4/70: 5/70
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	A.L. Shands	May, 1970
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY	L.O. Neterer, J	r. May, 1970
INSTRUMENT: WILD B-0 CONTOURS BY scale: 1:15,000 CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	C. Blood	June, 1970
CHECKED BY	F. Margiotta	June, 1970
METHOD: Smooth drafting and CHECKED BY	N.A	
graphic Hydro support data by		
SCALE: 1:10,000 CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	F.P. Margiotta B. Barge	June, 1970 Oct., 1971
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	A.L. Shands	Oct., 1971
7. COMPILATION SECTION REVIEW BY		
8. FINAL REVIEW BY	C.H. Bishop	Apr. 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		
1). MAP REGISTERED - COASTAL SURVEY SECTION BY	n. J. Francis	Qua 26 197
NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES	// '	0 1072-760382/582 PEC #

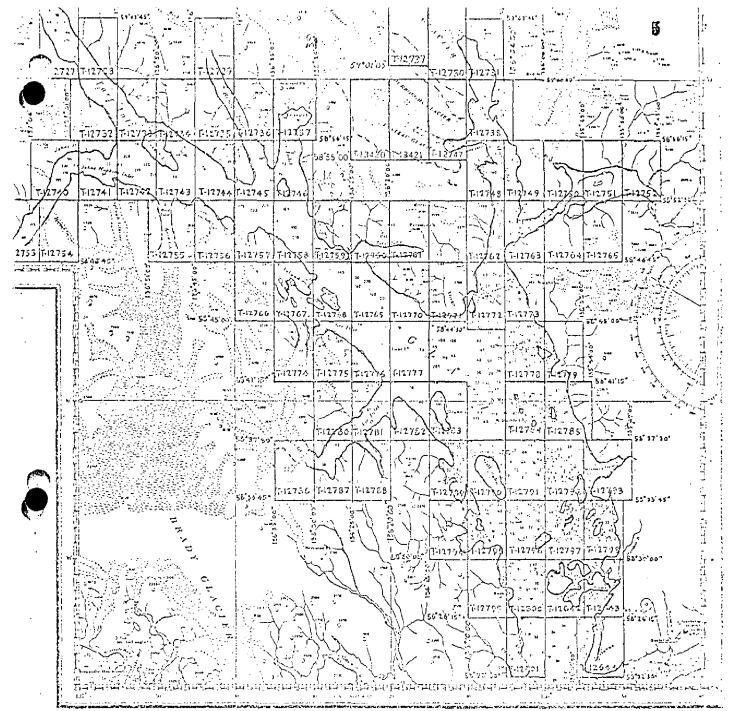


иМи	T-12759 PILATION SOURCE TYPES OF PHOTO LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIM	ATIONAL OCEA	55111
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OGRAPHY	(P) PANCHROMATIC		ZONE		
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	(I) INFRARED	E	MERIDIAN		
DATE			120th	[]	DAYLIC
	TIME	SCALE		AGE OF TIDE	
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s used for br	dging and c	ompilat	ion.		
ATER LINE:					
TER CINE.					
TEROR MEAN LOWER LOV		listed	above.		
			_	survey informat	ion.j
RAPHIC SURVEYS (List on	y those surveys that ar	e sources for ;	phologrammetric		
				SUBVEY COT	V HEE
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				SURVEY COF	Y USE
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				Y NUMBER DATE(S)	Y NUMBER DATE(S) SURVEY COF

NOAA FORM 76-36C (3-72)		T-12759 HISTORY OF FIELD		NIC AND ATMOSPHI	TMENT OF COMMERCI ERIC ADMINISTRATION ONAL OCEAN SURVEY
I. 🕱 FIELD INSPE	ECTION OPERATIO	N FIEL	D EDIT OPERATION		
	OPERAT	ION	N	IAME	DATE
1 60055 05 515	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			_	Summer
1. CHIEF OF FIEL	DPARIT		R.H. Houl		1964
		RECOVERED BY	R.H. Houl	der	Aug. 1964
2. HORIZONTAL C		ESTABLISHED BY	R.H. Houl	den	Aug. 1964
·····	Pi	RECOVERED BY	N.A.	<u>uer-</u>	Aug. 1704
3. VERTICAL CON	TROI	ESTABLISHED BY	14 • 13 •		
3. VENTIONE CON		RE-MARKED OR TOENTIFIED BY			
			None		 -
4. LANDMARKS AN		ERED (Triangulation Stations) BY	110110		_
AIDS TO NAVIG		LOCATED (Field Methods) BY (DENTIFIED BY			_ -
·		TYPE OF INVESTIGATION			
5. GEOGRAPHIC N	AMES	COMPLETE			
INVESTIGATION		SPECIFIC NAMES ONLY			
		X NO INVESTIGATION			
6. PHOTO INSPECT	TION C	LARIFICATION OF DETAILS BY	W.H. Shear	rouse	Aug. 1964
7. BOUNDARIES AI		SURVEYED OR IDENTIFIED BY	N.A.		
II. SOURCE DATA	į.				
1. HORIZONTAL C	ONTROL IDENTIFE	ED	2. VERTICAL CON	TROL IDENTIFIED	
PHOTO NUMBER		TATION NAME	PHOTO NUMBER	5TA TION	DESIGNATION
64 M 3768	GLOOMY AL	ASKA 1907			
3. PHOTO NUMBER	RS (Clarification of	details)	L 1		
ŧ	64 м 3768				
4. LANDMARKS AN	ID AIDS TO NAVIG	ATION IDENTIFIED	-		
]	None	·			
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJE	CTNAME
5. GEOGRAPHIC N	AMES: R	EPORT NONE	6. BOUNDARY AND	LIMITS: TRE	PORT X NONE
7. SUPPLEMENTAL				<u></u>	
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		ooks, etc. DO NOT list data submit	ted to the Geodesy Di	vision)	
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C:	SI cards (l), Field Inspect:	ion Report.		
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NOAA FORM 76-36C U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY T-12759 HISTORY OF FIELD OPERATIONS 1. THELD INSPECTION OPERATION T FIELD EDIT OPERATION **OPERATION** NAME DATE Summer 1. CHIEF OF FIELD PARTY 1970 J.B. Watkins, Jr. A.F.D. 1970 June, RECOVERED BY 2. HORIZONTAL CONTROL ESTABLISHED BY A.F.D. 197 PRE-MARKED OR IDENTIFIED BY June, N.A. 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 INVESTIGATION SPECIFIC NAMES ONLY X NO INVESTIGATION July, 1970 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY J.P. Bishop. Jr. 7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY II. SOURCE DATA 2. VERTICAL CONTROL IDENTIFIED 1. HORIZONTAL CONTROL IDENTIFIED STATION DESIGNATION PHOTO NUMBER STATION NAME PHOTO NUMBER 71E(C)4831 NEVA 1944 3. PHOTO NUMBERS (Clarification of details) 64 M(P) 3767, 3769 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME 5. GEOGRAPHIC NAMES: REPORT X NONE 6. BOUNDARY AND LIMITS: REPORT X NONE 7. SUPPLEMENTAL MAPS AND PLANS 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) CS1 card (1), Field Edit Ozalid, Field Edit Report.

NOAA FORM (3-72)	76-36D	T-12 RECO	2759 RD OF SURVE		CEANIC A			IT OF COMMERCE Administration
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I. MANUSCRI		MPILATION STAGE	е			DATEMAN	LISC PI	PT FORWARDED
	ATA COMPILED	DATE	1	MARK5	}			·······
	ore area for	DATE	RE	MARNA		MARINE CH	AR IS	HYDRO SUPPOR
hydro,	Compilation e pending	June 1970	Class I Superse					6-24-70
Field E						-		
	dit applied, tion complete	Oct. 1971	Class I Superse					
Final R		Apr. 1975	Some corr	ections	s			
II. LANDMA	RKS AND AIDS TO NAVIGA	TION	<u> </u>					
ì REPOF	RTS TO MARINE CHART DI	VISION, NAUTICAL	DATA BRANCH					
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REMA	RKS		
2. RE	EPORT TO MARINE CHART	DIVISION, COAST	PILOT BRANCH.	DATE FOR	WARDED:			
·	EPORT TO AERONAUTICA	·					DED:	
1.	L RECORDS CENTER DAT RIDGING PHOTOGRAPHS; ONTROL STATION IDENTI OURCE DATA (except for G CCOUNT FOR EXCEPTION	DUPLICATE FICATION CARDS; eographic Names Re S:	FORM NO	S 567 SUBMI	TTED BY	FIELD PAR	TIES.	-
IV. SURVEY	EDITIONS (This section s			o edition is n				
SECOND	SURVEY NUMBER	(2) PH -				YPE OF SUI	RES	
EDITION	DATE OF PHOTOGRAPH			□n.	<u> </u>] v.	FINAL
	SURVEY NUMBER	JOB NUMBEI	R		_	YPE OF SUT	_	URVEY
THIRD EDITION	DATE OF PHOTOGRAPH	(3) PH-	ELD EDIT	<u></u>	□III.	MAP CLAS	SS	_
	SURVEY NUMBER	JOB NUMBEI	R	 	Ŧ	YPE OF SUR	VEY	
FOURTH		_ (4) PH			REV	išed [RES	ÛRVEY
EDITION	DATE OF PHOTOGRAPH	LY DATE OF FI	ELD EDIT	□n.	□ш.	MAP CLAS	ss ⊒v.	FINAL



REVISED 9-5-72 RNW

JOB PH-6502 GLACIER BAY ALASKA

Shareline Mapping

SCALE 1:10,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12759

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. One horizontal control station (GLOOMY ALASKA 1907) was identified at that time. Another station (NEVA 1944) was recovered and premarked in June 1970.

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, using the Wild B-8 stereoplotter, with 1:40,000 scale low water photography taken in June 1964. Photographs were ratioed to 1:10,000 scale for hydrographic support and field edit use.

Field edit was done in conjunction with hydrography in August 1970. Notes were made on the Field Edit Ozalid and cross-referenced to photographs of the area.

Final review was done at the Atlantic Marine Center in April 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 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.

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. 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 Cow-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 GELMIE and should consist of a combination of triangulation and electronic traverse.

William H. Shearewa

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	уев	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 _	no no	
OPEN 1939	yes	o 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 (enlerg)
KELP 1944	yes	no	
ЛИМВО 1944	yes	no	
MID 1944	yes	no	
BUTE 1944	yes	no	

	TATION AME	RECOVERED	IDENTIFIED	PHOTO NO.	12
V.	EIN 1944	yes	no ·		·
R	OUND ?	yes .	no		•
s	NOW 1944	yes	no		
В	ALD 1944	yes	no		-
K	NOB 1944	yes	yes	64 м 3749	(contact)
D	INGO 1944	no			• .
C	UBE 1944	yes	yes	64 M 3750	(enlarg)
P	OINT 1944	yes	no		
F	°0X_1944	yes	no		
М	INK 1944	yes	no	•	
A	RCH 1944	yes	yes	64 M 3685	(enlarg)
R	AMPART 1944	yes	₩0 ¥00		
F	TAT 1939	yes	yes	64 N 3666	(enlarg)
	NUGH MILLER W BASE 1907	no		•	,
	nigh Miller e base 1907/1944	yes	yes	64 N 3668	(enlarg)
G	LOOMY 1907	уез	yes ·	64 M 3768	(enlarg)
C	CASE 1939	yes	yes	64 M 3762	(enlarg)
I	OONE 1939	yes	yes	64 M 3761	(enlarg)
3	TLINGIT 1939	yes	yos	64 M 3761	(enlarg)
٠ ٥	EIKIE 1939	yes	no	•	•
I	LONE 1939	yes	no		contact
F	RANA 1964	yes	yes	64 м 3669	
A	ACE 1964	yes ,	yes	64 M 3765	(contact)
F	FLAG 1944	yes	no		. :
1	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

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)

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

SS#1

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

Tie points to Strip #4

STRIP #6

TLINGIT, 1939

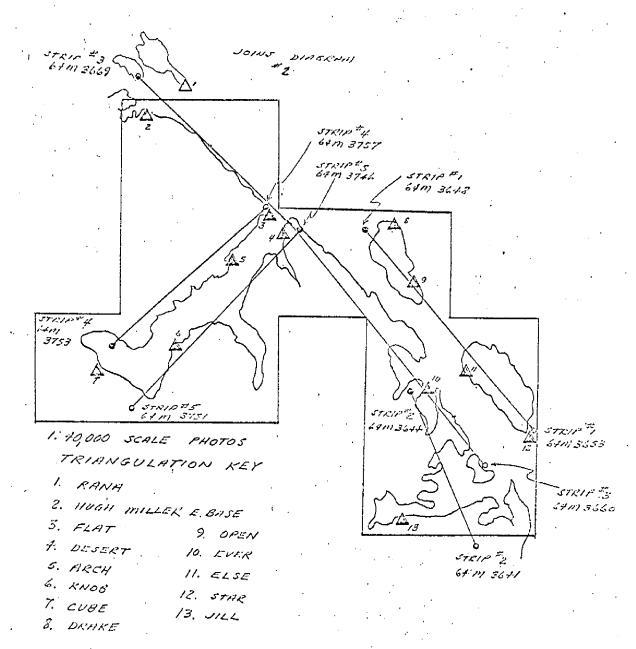
DONE, 1939

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

ACE, 1964

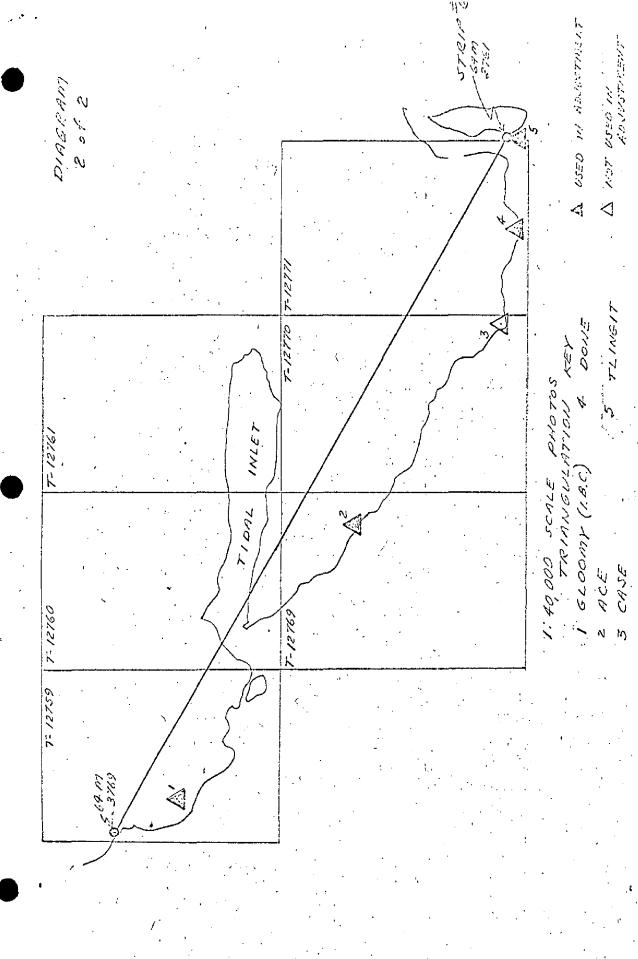
GLOOMY, 1907

GLACIER BAY DIAGRAM 1 of 2



A USED, IN ADJUSTMENTS

A NOT USED IN ADJUSTMENTS





DESCRIPTIVE REPORT CONTROL RECORD

MAP T. 12759 PROJECT NO.	T NO. PH-6502	SCA	SCALE OF MAP 1:10,000 SCAL	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 $Ft. = 3048006 \text{ meter}$) FORWARD (8ACK)
GLOOMY ALASKA, 1907	58136 pg. 9	N.A. 1927	58° 50° 14.822" 136° 28° 13.825"	458.6 (1398.0) 221.8 -(740.7)
NEVA, 1944	G.P. Vol. 3 pg. 1039	N.A. 1927	58 49¹ 12,53413" 1360 25¹ 31,93255"	387.8 (1468.8) 512.5 (450.4)
		•		
		•		
		-		
C. Blood	DATE 4/24/70		снескер ву R. White	DATE 8

COMPILATION REPORT

PH-6502

T-12759

31. DELINEATION

The Wild B-8 was used. Field inspection, which was furnished on the contact prints, was adequate.

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. The most prominent drainage was shown.

35. SHORELINE AND ALONGSHORE DETAILS

The MHWL, approximate MLLWL, rocks, ledge, gravel and boulder areas were delineated from office interpretation and supplemented with field inspection. Rock heights were determined from field inspection.

36. OFFSHORE DETAILS

No statement

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

There are no recoverable topographic stations shown. 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-12758 to the West, T-12760 to the East, T-12768 to the South. There is no contemporary survey to the North.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

41. - 45.

Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S., Quadrangle MT. FAIRWEATHER (D-2), ALASKA, scale 1:63,360, dated 1950, reprinted 1956.

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

Submitted: Charles Blood

Charles Blood, Cartographic Tech.

June, 1970

Approved: Albut c Ranch. In.

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

28 March 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12759

Glacier Bay Glacier Bay National Monument Vivid Lake

Approved by:

Chas. E. Harrington

Staff Geographer-C51x2

NOAA FORM 75-74 (2-74)				J.S. DEPARTMENT OF COMMERCE
1= 171	РНО	TOGRAMMET	RIC OFFICE REVIEW	NATIONAL OCEAN SURVEY
			L2 7 59	
1. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
FPM	FPM		FPM	FPM
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5. HORIZONTAL CONTROL STA	ATIONS OF	6. RECOVERA	SLE HORIZONTAL STATIONS	7. PHOTO HYDRO STATIONS
5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	CCURACY	OF LESS TH (Topographic	BLE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY : stations)	
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8. BENCH MARKS	9. PLOTTING	DF SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
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ALONGSHORE AREAS (Nautical			-	
12. SHORELINE	13. LOW-WATE	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
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16. AIDS TO NAVIGATION	17. LANDMARK	cs	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
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PHYSICAL FEATURES				
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
FPM			x x	хх
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOUR	S IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
хх	хх		хх	
CULTURAL FEATURES 27. ROADS	28. BUILDING	<u> </u>	29. RAILROADS	30. OTHER CULTURAL
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33. GEOGRAPHIC NAMES		34. JUNCTION	S	35. LEGIBILITY OF THE
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36. DISCREPANCY OVERLAY	37. DESCRIPT	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
FPM	FPM		FPM	FPM
40. REVIEWER Trank D. M.	moutto.	Date	SUPERVISOR, REVIEW SECTI	- // · · · · · / · /
Frank P. Marq		6/22/70	Albert C. Rauck. J	Ranchy.
		0,22,70	, albert C. Madek, D	
41. REMARKS (See attached shee FIELD COMPLETION ADDITION		TIONS TO THE M	ANUSCRIPT	
	furnished by th	ne field complet		to the manuscript. The manu-
COMPILER B.L. Barge	10/28/71	Date	SUPERVISOR	Ox. bl
. Gr nolf S. Reviewer: A.L. Sha	Showl-	0/28/ 7 1	Albert C. Rauck,	Ir.
43. REMARKS				
Field Edit Ap	plied Fro	m: F.E. C)zalid T- 12759 & Ph	otos 64-M-3 767 - 3 76 9
Field Inspect	ion Appli	ed From:	64-M-3767 & 3768,	August. 23, 1964

FIELD EDIT REPORT

MAP T-12759

Glacier Bay

Field edit of map T-12759 was accomplished from a launch during July, 1970.

<u>METHOD</u>

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 64M3767, 64M3768, and 64M3769. 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. One ledge indicated should be deleted from the manuscript, and corrections should be applied to the character of foreshore materials in several areas. Corrections and additional identifiable features have been indicated on the field edit ozalid and photos.

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

James C. Bishop, Jr.

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-12759

SHORELINE

April 21, 1975

61. GENERAL STATEMENT:

See Summary, which is page 6 of this Descriptive Report.
No comparison print was made for this map.

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 a copy of the boat sheet for Survey H-9138 (FA-20-3-70), scale 1:20,000, dated 1970. Numerous small differences in shoreline were noted. Apparently these differences resulted from poor transfer of shoreline to the boat sheet.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 8202, scale 1:209, 978, 18th edition, dated Nov 3, 1973. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions and Bureau standards and meets the requirements for National Standards of Map Accuracy.

Reviewed:

Charles H.Bishop

Charles H. Bishop Cartographer April 21, 1975

Approved for forwarding:

Victor E. Serena

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.