

T-12772

T-12772

NOAA FORM 76-35

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

## DESCRIPTIVE REPORT

Type of Survey ShorelineJob No. PH-6502 Map No. T-12772Classification No. Final Edition No. 1

Field Edited Map

## LOCALITY

State AlaskaGeneral Locality Glacier BayLocality Sebree Island

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1964 TO 1973

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## REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY <del>XXX</del> T-12772 MAP EDITION NO. (1) MAP CLASS Final JOB PH. 6502	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR.							
I. INSTRUCTIONS DATED							
1. OFFICE Compilation - Amend. I 4/23/70 Aerotriangulation 5/18/73 Compilation - Supp. II 6/14/73 Final Review 6/3/77				2. FIELD 2/17/70			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION Polyconic				4. GRID(S) STATE Alaska ZONE 1			
5. SCALE 1:10,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY				G. Ball		Aug. 1965	
2. CONTROL AND BRIDGE POINTS METHOD: Coordinatograph				PLOTTED BY A. Bethea CHECKED BY Van Scoy		Sept. 1968 Sept. 1968	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000				PLANIMETRY BY L.O. Neterer, Jr. CHECKED BY R.R. White		Sept. 1973 Sept. 1973	
4. MANUSCRIPT DELINEATION METHOD:				PLANIMETRY BY Charles Parker CHECKED BY L.O. Neterer, Jr.		Sept. 1973 Sept. 1973	
SCALE: 1:10,000				CONTOURS BY NA CHECKED BY NA			
HYDRO SUPPORT DATA BY Charles Parker CHECKED BY L.O. Neterer, Jr.						Sept. 1973 Sept. 1973	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT				BY			
6. APPLICATION OF FIELD EDIT DATA				BY Frank Margiotta CHECKED BY G.R. Vanderhaven		May, 1974 May, 1974	
7. COMPILATION SECTION REVIEW				BY G.R. Vanderhaven		May, 1974	
8. FINAL REVIEW				BY C.H. Bishop		Aug. 1977	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH				BY C.H. Bishop		Dec 1977	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH				BY J.B. Phillips		Jan 1978	
11. MAP REGISTERED - COASTAL SURVEY SECTION				BY R.T. Cator		Mar 1978	

NOAA FORM 76-36B  
(3-72)T-12772  
COMPILATION SOURCESU. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" Wild RC-9 "M"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR X (P) PANCHROMATIC (I) INFRARED		ZONE Pacific (8th) MERIDIAN 120th	
<input type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71E(C)4616 - 4618	6/5/71	09:56	1:20,000	8.4 above MLLW	
64M(P)3761 - 3762	6/12/64	12:32	1:40,000	1.9 above MLLW	
72E(C)4754 - 4755	7/4/72	14:22	1:30,000	3.3 above MLLW	

REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was delineated from office interpretation of the above listed photographs.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

An approximate MLLW Line was delineated from office interpretation of the above listed Low Water photography, supplemented by sextant fixes taken by the field editor around Caroline Shoal and just north of Sebree Island.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
T-12762	T-12773	No Survey	T-12771

REMARKS

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

T-12772

## HISTORY OF FIELD OPERATIONS

I. <input checked="" type="checkbox"/> FIELD INSPECTION OPERATION				<input type="checkbox"/> FIELD EDIT OPERATION			
OPERATION		NAME		DATE			
1. CHIEF OF FIELD PARTY		J.B. Watkins, Jr.		June 1970			
2. HORIZONTAL CONTROL		RECOVERED BY		None			
		ESTABLISHED BY		J.C.B.		June 1970	
		PRE-MARKED OR IDENTIFIED BY		J.C.B.		June 1970	
3. VERTICAL CONTROL		RECOVERED BY		NA			
		ESTABLISHED BY		NA			
		PRE-MARKED OR IDENTIFIED BY		NA			
4. LANDMARKS AND AIDS TO NAVIGATION		RECOVERED (Triangulation Stations) BY		None			
		LOCATED (Field Methods) BY		None			
		IDENTIFIED BY		None			
5. GEOGRAPHIC NAMES INVESTIGATION		TYPE OF INVESTIGATION					
		<input type="checkbox"/> COMPLETE					
		<input type="checkbox"/> SPECIFIC NAMES ONLY					
		<input checked="" type="checkbox"/> NO INVESTIGATION					
6. PHOTO INSPECTION		CLARIFICATION OF DETAILS BY		None			
7. BOUNDARIES AND LIMITS		SURVEYED OR IDENTIFIED BY		None			
II. SOURCE DATA							
1. HORIZONTAL CONTROL IDENTIFIED Premarked				2. VERTICAL CONTROL IDENTIFIED			
				NA			
PHOTO NUMBER	STATION NAME			PHOTO NUMBER	STATION DESIGNATION		
70E(C)7752	SOG, 1970						
3. PHOTO NUMBERS (Clarification of details)							
None							
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED							
None							
PHOTO NUMBER	OBJECT NAME			PHOTO NUMBER	OBJECT NAME		
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE				6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE			
7. SUPPLEMENTAL MAPS AND PLANS							
None							
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)							
1 - Form 152							

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

T-12772

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	C. Burroughs	Sept. 1973
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	J. Albright
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details)  64M(P)3762			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED  None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS  None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)  1 Field Edit Ozalid 1 Field Edit Report 1 Signal Overlay			

NOAA FORM 76-36D  
(3-72)

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

T-12772  
**RECORD OF SURVEY USE**

**I. MANUSCRIPT COPIES**

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Sept. 1973	Class III Manuscript Superseded		
Field edit applied Compilation complete	May, 1974	Class I Manuscript Superseded		
Final Review	Aug., 1977	Final	Nov. 1977	

**II. LANDMARKS AND AIDS TO NAVIGATION****1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH**

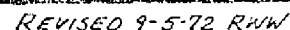
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_**III. FEDERAL RECORDS CENTER DATA**

1. ☒ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
     X ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_**IV. SURVEY EDITIONS** (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



SCALE 1:10,000

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12772

This 1:10,000 scale shoreline survey is one of 80 maps that comprise Project PH-6502, Glacier Bay, Alaska. It is on the northeast side of Glacier Bay, at the south end of Muir Inlet.

The only field work done prior to compilation was the establishment and premarking of horizontal control required for bridging.

Aerotriangulation was done in Rockville in August, 1965 and July, 1973.

Compilation was done at the Atlantic Marine Center in September, 1973. Hydrographic support data was prepared and forwarded to the field.

Field edit was accomplished in October, 1973 and applied to the manuscript at the Atlantic Marine Center in May, 1974.

Final review was done at the Atlantic Marine Center in July, 1977.

The original manuscript was a vinylite sheet 4' 15" in latitude by 5' in longitude. It was forwarded to Rockville for processing a film positive for filing in the Archives, one reproduction negative to be filed in the Reproduction Branch, and two negatives to be forwarded to the Photo Map and Imagery Information Section for dispersal.



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.

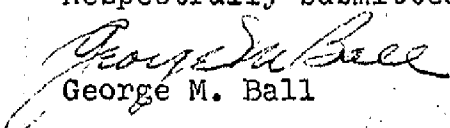
24. Supplemental Data

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

SS#1	{	-0.7	+0.3}
SS#2	{	-3.1	+3.7}

OPEN, 1939

SS#1	{	+4.7	+2.0}
SS#2	{	+0.4	-1.1}

ELSE, 1939

SS#1	{	-0.5	+5.5}
SS#2	{	+9.8	+5.1}

EVER, 1939

SS#1	{	-3.0	-3.0}
SS#2	{	-1.7	-0.8}

STAR, 1939

SS#1	{	+0.3	+0.8}
SS#2	{	+3.6	+12.7}

## Ties to Strip #2

13501	{	-6.5	-3.4}
13504	{	+2.6	-3.4}
13505	{	-4.3	-3.5}

## STRIP #2

JILL, 1938

SS#1	{	0.0	0.0}
SS#2	{	+4.9	-1.9}

EVER, 1939

SS#1	{	+0.8	+1.6}
SS#2	{	0.0	0.0}

## STRIP #3

ELSE, 1939

SS#1	{	-0.1	-0.5}
SS#2	{	This pt. could not be seen on this strip)	

## EVER, 1939

SS#1	{+3.8	-3.2}
SS#2	{+1.8	-1.3}

## OPEN, 1939

SS#1	{-0.3	+1.3}
SS#2	{-1.1	+4.4}

## DESERT, 1944

SS#1	{0.0	-4.3}
SS#2	{+2.2	-2.5}

## FLAT, 1939

SS#1	{-0.8	+3.1}
SS#2	{-0.3	+3.6}

## ARCH, 1944

SS#1	{+0.9	+0.3}
SS#2	{-0.4	-2.5}

## HUGH MILLER E. BASE, 1907

SS#1	{-0.1	-0.1}
SS#2	{+4.5	+0.1}

## 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

13501	{+6.8	-8.9}
15502	{+4.6	-9.6}
15504	{+1.2	-7.6}
15505	{-1.5	-7.7}

## Ties to Strip #1

15504	{+3.9	-10.5}
15505	{+1.0	-4.4}
19501	{-0.9	+1.3}
19502	{-6.7	-0.9}
19503	{-12.8	-4.2}

## STRIP #4

## STRIP #4 (continued from page 2)

CUBE, 1944

SS#1	{+0.6	-1.0}
SS#2	{-1.8	-1.2}

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}
SS#2	{+2.8	+2.7}

FLAT, 1939

SS#1	{+0.5	-0.7}
SS#2	{-2.3	-2.4}

STRIP #5

DESERT, 1944

SS#1	{+0.6	-1.0}
SS#2	{+2.3	-0.5}

FLAT, 1939

SS#1	{+3.5	+2.0}
SS#2	{Point not visible on this strip}	

ARCH, 1944

SS#1	{-1.8	+1.3}
SS#2	{+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

35503	{+4.9	-1.3}
35504	{+5.4	-1.2}

## Tie points to Strip #4

56501	{+1.8	+1.0}
56502	{-4.7	-4.9}
56503	{-1.7	-1.0}
54501	{-2.3	+0.7}

## STRIP #6

## TLINGIT, 1939

SS#1	{0.0	0.0}
SS#2	{+3.5	-3.5}

## DONE, 1939

SS#1	{+1.3	+0.1}
SS#2	{0.0	-0.1}

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

SS#1	{-3.4	-25.2}
SS#2	{-1.5	-8.3}

## ACE, 1964

SS#1	{0.0	0.0}
SS#2	{+0.1	+1.7}

## GLOOMY, 1907

SS#1	{+0.1	+2.7}
SS#2	{-0.1	0.0}

# GLACIER BAY DIAGRAM 1 of 2

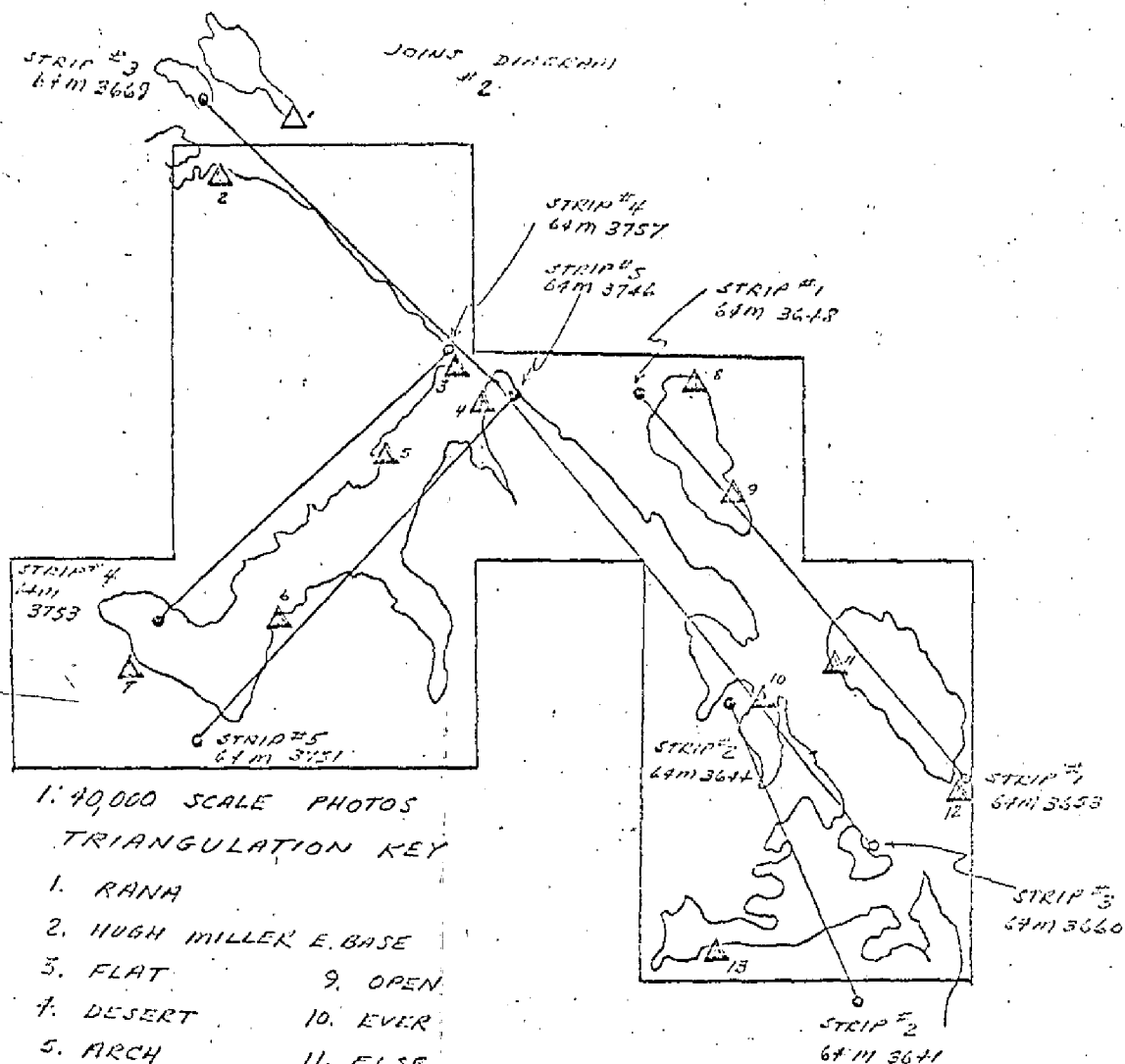
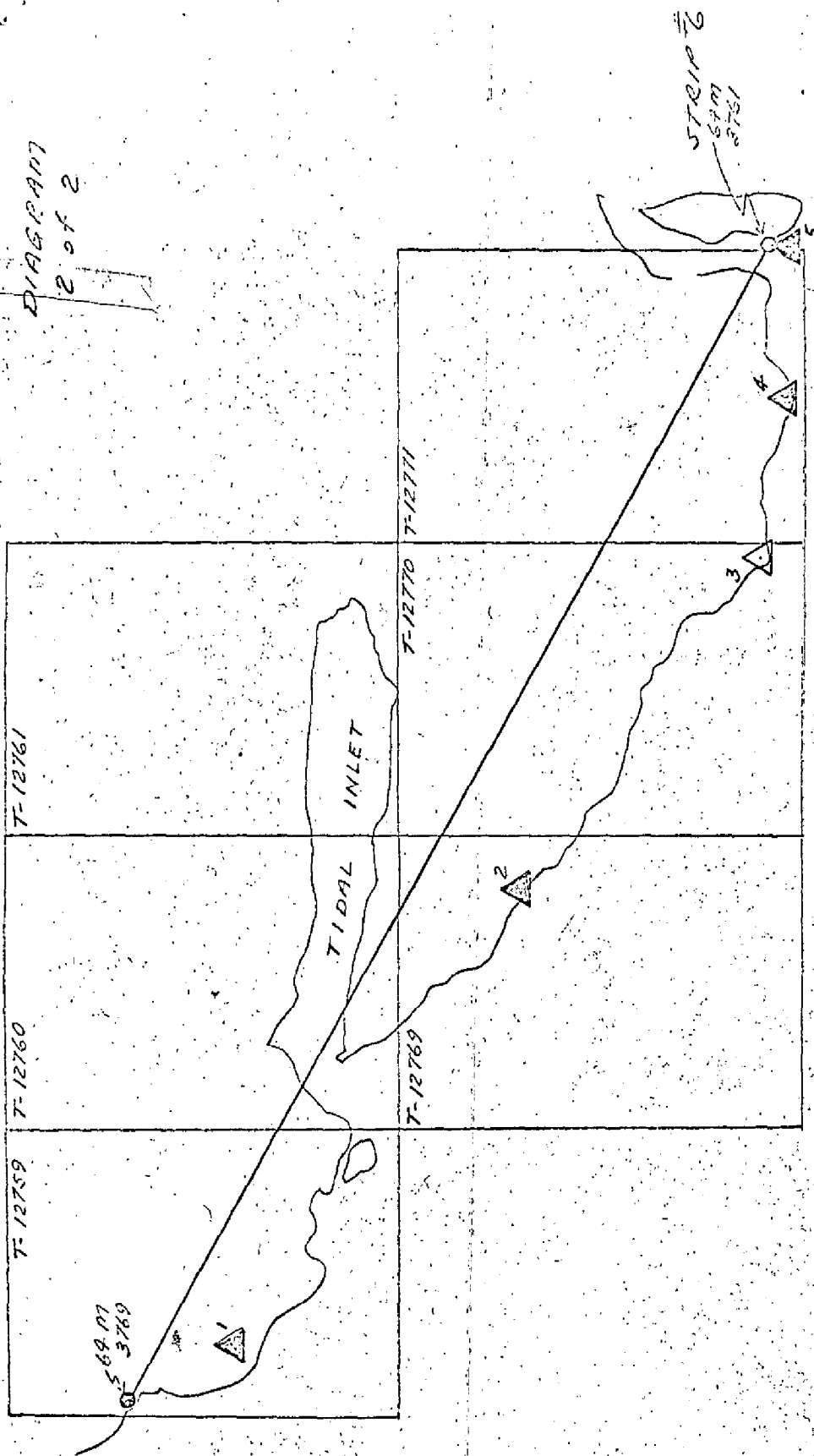


DIAGRAM  
2 of 2



1:40,000 SCALE PHOTOS  
TRIANGULATION KEY  
1 GLOOMY (I.B.C.)  
2 ACE  
3 CASE  
4 DONE  
5 TLINGIT

Δ USED IN ADJUSTMENT  
Δ NOT USED IN ADJUSTMENT

GLACIER BAY, ALASKA  
Southern Part  
Job PH-6502  
July 1973

21. Area Covered. This report pertains to twenty-two sheets in the southern part of Glacier Bay, Alaska. The sheets covered are T-12773, T-12778, T-12779, T-12783 thru T-12785, T-12789 thru T-12801, and T-12642 thru T-12644.

22. Method. Five strips of RC-8 photography at 1:40,000 scale were bridged by analytic aerotriangulation methods and adjusted to ground using Alaska state plane coordinates, zone 1. Points were established for setting 1:30,000 scale compilation photography. Points were also established for determining ratios of this photography. These points were plotted by the Coradomat.

23. Adequacy of Control. The control was adequate.

24. Supplemental Data. USGS topographic quadrangles were used in determining elevations for strip adjustments.

25. Photography. The photography was adequate; however, points could not be established for the compilation of islands on sheets T-12784, T-12791, and T-12796. These islands will have to be put in by a field party.

Submitted by,

*Don O. Norman*

Don O. Norman

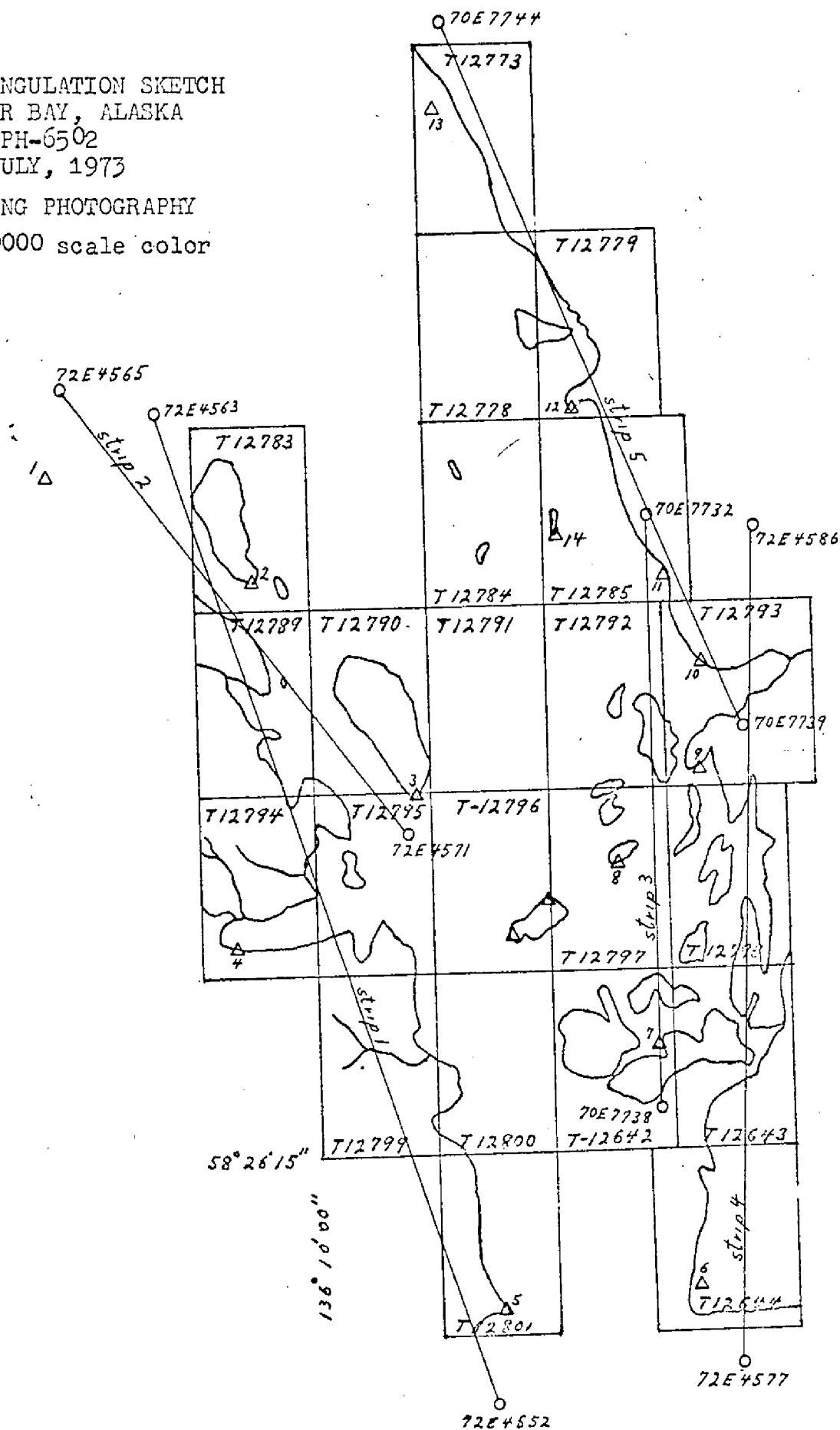
approved by:

*John D. Ferrow Jr.*  
John D. Ferrow, Jr.  
Chief, Aerotriangulation  
Section



AEROTRIANGULATION SKETCH  
GLACIER BAY, ALASKA  
PH-6502  
JULY, 1973

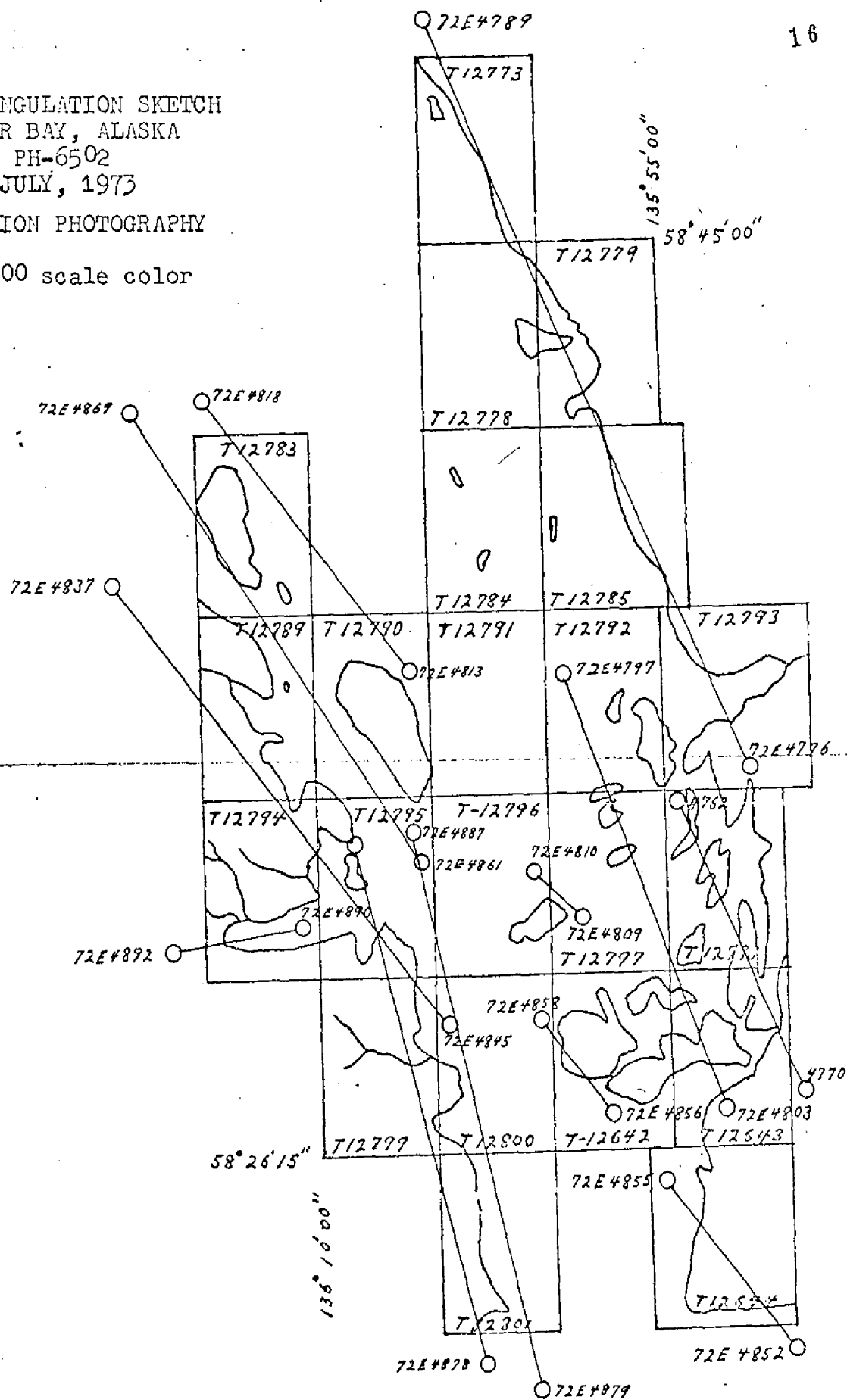
BRIDGING PHOTOGRAPHY  
1:40000 scale color



AEROTRIANGULATION SKETCH  
GLACIER BAY, ALASKA  
PH-6502  
JULY, 1973

COMPILATION PHOTOGRAPHY

○ 1:30000 scale color



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	PH-6502	GEODETTIC DATUM		NA 1927	ORIGINATING ACTIVITY	
				COORDINATES IN FEET	GEODETTIC POSITION		Division, Norfolk, Va.	
		SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	STATE Alaska	ZONE 1	φ LATITUDE	λ LONGITUDE	REMARKS
	LINE, 1939	G.P. Vol 3 P. 792				φ 58 46 48.003		FORWARD BACK 1485.4 ( 371.2)
						λ 136 08 37.310		599.5 ( 364.5)
	SEBREE, 1939	G.P. Vol 3 P. 792				φ 58 45 23.673		732.5 (1124.1)
						λ 136 09 14.295		229.8 ( 734.9)
	SOG, 1970	Bridge Form 164 P. 5				φ		4,285.33 ( 714.67)
						λ		2,868.61 (2131.39)
	PLAT, 1939	G.P. Vol 3 P. 792				φ 58 48 44.395		1373.7 ( 482.9)
						λ 136 05 00.293		4.7 ( 958.5)
						φ		
						λ		
						φ		
						λ		
						φ		
						λ		
						φ		
						λ		
						φ		
						λ		
						φ		
						λ		
						φ		
						λ		
COMPUTED BY	C. Blood		DATE 4/29/70	COMPUTATION CHECKED BY C. Parker				DATE 8/3/73
LISTED BY			DATE	LISTING CHECKED BY R. White				DATE
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY				DATE

## COMPILATION REPORT

T-12772

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter, using 1:40,000 scale panchromatic photography for the area below Latitude 58° 47' 30". 1:30,000 scale color photography was used for the area above this Latitude. Coverage was adequate.

32. CONTROL

See the attached Photogrammetric Plot Reports dated August, 1965 and July, 1973.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See the attached Form 76-36b, Item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangle: MT. FAIRWEATHER (D-1) ALASKA, scale 1:63,360, dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following Coast & Geodetic Survey chart: 8202, scale 1:209,978, 17th edition, Sept. 11, 1971

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

*Albert C. Rauck, Jr. FOR*  
Charles Parker  
Carto. Aid, Sept. 11, 1973

Approved:

*Albert C. Rauck, Jr.*  
A.C. Rauck, Jr.  
Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

T-12772

FIELD EDIT

Field edit was adequate. All questions were satisfactorily answered.

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6502 (Glacier Bay, Alaska)

T-12772

Caroline Point

Caroline Shoal

Glacier Bay

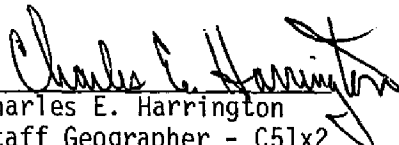
Muir Inlet

Sebree Cove

Sebree Island

Glacier Bay National Monument

Approved by:

  
Charles E. Harrington  
Staff Geographer - C51x2

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
T-12772			
1. PROJECTION AND GRIDS LON	2. TITLE LON	3. MANUSCRIPT NUMBERS LON	4. MANUSCRIPT SIZE LON
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LON	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) LON	7. PHOTO HYDRO STATIONS LON	
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES GRV	10. PHOTOGRAMMETRIC PLOT REPORT LON	11. DETAIL POINTS LON
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON	13. LOW-WATER LINE LON	14. ROCKS, SHOALS, ETC. LON	15. BRIDGES LON
16. AIDS TO NAVIGATION LON	17. LANDMARKS LON	18. OTHER ALONGSHORE PHYSICAL FEATURES LON	19. OTHER ALONGSHORE CULTURAL FEATURES LON
PHYSICAL FEATURES			
20. WATER FEATURES LON	21. NATURAL GROUND COVER NA	22. PLANETABLE CONTOURS NA	
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES LON
CULTURAL FEATURES			
27. ROADS LON	28. BUILDINGS LON	29. RAILROADS LON	30. OTHER CULTURAL FEATURES LON
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LON	34. JUNCTIONS LON	35. LEGIBILITY OF THE MANUSCRIPT LON	
36. DISCREPANCY OVERLAY LON	37. DESCRIPTIVE REPORT LON	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS LON
40. REVIEWER <i>Lowell O. Neterer, Jr.</i> Lowell O. Neterer, Jr. 9/13/73		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
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 noted under item 43.			
COMPILER <i>Frank Margiotta</i> Frank Margiotta 5/16/74 Re: G.R. Vanderhaven 5/17/74		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS <i>Albert C. Rauck, Jr.</i> For See Form 76-36c, Item 8			



FIELD EDIT REPORTS  
Glacier Bay, Alaska  
OPR-460  
Fall, 1973

INTRODUCTION

Field edit reports are attached for the following maps; T-12772, T-12773, T-12778, T-12779, T-12785, and T-12793. Field photographs and copies of the field edit ozalids were taken into the field. Sextant fixes were plotted on the signal overlays and transferred to the ozalids. Height data for all rocks, ledges, and reefs is either written directly on the ozalid or referenced by fix number to the attached sheets. Due to the limited number of negative tides during the survey, much of this field edit was done at higher tides than would normally be used.

Notes have been made in violet on the ozalids, with deletions in green. All times are based on the 105° W. meridian.

Compilation of the maps is good. Any discrepancies are noted. It is recommended that the maps be revised in accordance with notes on the ozalids and on the attached sheets before acceptance as advanced manuscripts. Field inspection of these maps is complete.

Respectfully submitted,

*Frank P. Rossi*

for Andrew D. Snella  
ENS, NOAA

Approved and forwarded:

*Charles A. Burroughs*

Charles A. Burroughs  
CDR, NOAA  
Comdg., Ship FAIRWEATHER

773

772

785

FIELD EDIT REPORT

Map T-12772  
Sebree Island,  
Glacier Bay, Alaska

Field edit of map T-12772 was accomplished by LCDR John C. Albright and LTJG Alan J. Potok during September and October 1973. Inspection was done from skiffs and on foot when fixes on land were required.

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 and the ozalid in the field and, where required and possible, by three-point sextant fix. Significant rocks and portions of the low water line were also located by sextant fix. Height data and other notes and corrections are shown in violet on the ozalid. Field photograph 64M3762 contains one correction which is cross-referenced on the ozalid. Fix information is tabulated on the attached sheet. All times are based on the 105° W. meridian.

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of features compares well with photogrammetric location. Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid and the fix information and then be accepted as an advance manuscript.

Respectfully submitted,

*John C. Albright*  
John C. Albright  
LCDR, NOAA

Approved and forwarded:

*Charles A. Burroughs*  
Charles A. Burroughs  
CDR, NOAA  
Comdg., NOAA Ship FAIRWEATHER

TIME	DESCRIPTION
05 W)	09-24-73
1 0835	Rock awash at MHW, limit 3 m. south of fix
2 0838	Same rock, limit 10 m. east of fix
3 0840	Same rock, west limit of foul area
4 0855	Rock 3 m. in diameter, bares 4 ft. at MLLW
5 0906	East limit of ledge surrounding rocky point. Point bares 30 ft. at MHW. $\Delta$ 506 1970 bears 250° mag. distance 25 m.
6 0910	North limit of rocky ledge surrounding same rocky point is 10 m. north. $\Delta$ 506 1970 bears 160° mag. distance 50 m.
7 0920	Shoreline - approximate MLLW line
8 0930	" " " "
9 0935	" " " "
	09-25-73
10 0900	Northwest end of Caroline shoal, approximate MLLW line
11 0906	Southwest " " " " " "
12 0923	Southeast " " " " " "
13 0935	Northeast " " " " " "
14 0945	Rock at end of Caroline Point, bare 8 ft., more southerly of 2 rocks
15 1020	Shoreline - approximate MLLW line
	09-27-73
16 1125	Approximate MHW line
	10-05-73
17 1005	Rock, bare 3 ft.
18 1105	Approximate MHW line

## REVIEW REPORT T-12772

## SHORELINE

July, 1977

61. GENERAL STATEMENT:

See Summary, Page 6, of this Descriptive Report.

No comparison print was made.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a copy of Survey T-6756, 1:20,000 scale, dated May-June, 1940. No significant shoreline differences were noted. Elevations of a rock approximately 400 meters ESE of Caroline Point and a rock approximately 100 meters south of Sebree Island differ with corresponding rocks on T-12772 by 5 feet and 6 feet respectively. The new elevations are higher on both rocks.

In the area compared, T-12772 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, 1:63,360 scale, dated 1954. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None; no contemporary surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 17300 (8202), 1:209,978 scale, 20th edition, dated January 1, 1977. No significant differences were noted - the chart scale is too small for adequate comparison.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
July 21, 1977

Approved for forwarding:

*Joseph W. Vonasek*

Joseph W. Vonasek  
Chief, Photogrammetric Branch, AMC

Approved:

*D. H. Hargood*

Chief, Photogrammetric Branch

*James H. ...*

Chief, Coastal Map. Div.