

T-12791

ORIGINAL

T-12791

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..... Map No. T-12791.....

Classification No.III Edition No. ...1.....

LOCALITY

State ... ALASKA

General Locality ... Glacier Bay

Locality ... Willoughby Island-East of

19 72 TO 19

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY <u>XYT-12791</u>	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. <u>(1)</u>	
				<input type="checkbox"/> RESURVEY		MAP CLASS <u>III</u>	
				<input type="checkbox"/> REVISED		JOB <u>PH. 6502</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Virginia				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR				TYPE OF SURVEY		JOB <u>PH. _____</u>	
				<input type="checkbox"/> ORIGINAL		MAP CLASS <u>_____</u>	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19 <u> </u> TO 19 <u> </u>	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation May 18, 1973 Compilation-Supp. II June 14, 1973 Final Review June 3, 1977				Feb. 17, 1970			
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 type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION				4. GRID(S)			
Polyconic				STATE <u>Alaska</u>		ZONE <u>1</u>	
5. SCALE <u>1:10,000</u>				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION METHOD: <u>Analytic</u>				D. O. Norman		Jul 1973	
LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u>				D. Phillips		Jul 1973	
PLOTTED BY				D. Phillips		Jul 1973	
CHECKED BY							
3. STEREOSCOPIC INSTRUMENT COMPILATION				PLANIMETRY BY			
INSTRUMENT:				CHECKED BY			
SCALE:				CONTOURS BY		NA	
				CHECKED BY		NA	
4. MANUSCRIPT DELINEATION				PLANIMETRY BY		W. Gilbert	
METHOD: <u>Graphic-smooth drafting</u>				CHECKED BY		A. L. Shands	
SCALE: <u>1:10,000</u>				CONTOURS BY		NA	
HYDRO SUPPORT DATA BY				CHECKED BY		NA	
				A. L. Shands		Sep 1973	
				A. L. Shands		Sep 1973	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT				BY		A. L. Shands	
				None		Sep 1973	
6. APPLICATION OF FIELD EDIT DATA				BY			
				CHECKED BY			
7. COMPILATION SECTION REVIEW				BY		None after 5. above	
8. FINAL REVIEW				BY		C. H. Bishop	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH				BY		C. H. Bishop	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH				BY		J. B. Phillips	
11. MAP REGISTERED - COASTAL SURVEY SECTION				BY		R. T. Carter	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12791
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8"E"	TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE JUNEAU <input checked="" type="checkbox"/> PREDICTED TIDES Willoughby Island <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		ZONE Pacific	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
		MERIDIAN 120th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
72E(C) 4796-4797	Jul 4 1972	14:49	1:30,000	3.8 above MLLW
72E(C) 4810-4811	Jul 4 1972	15:02	1:30,000	4.2 above MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

None on this map.

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

Office interpretation of Photo 72E(C) 4811.

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-12784	T-12792	T-12796	T-12790

REMARKS

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

T-12791

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	None	
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	None
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)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☐ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☐ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONT-12791
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	Sep 1973	Class III		Sep 21 '73
Final Review prior to registration	Aug 1977	Class III no corrections	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

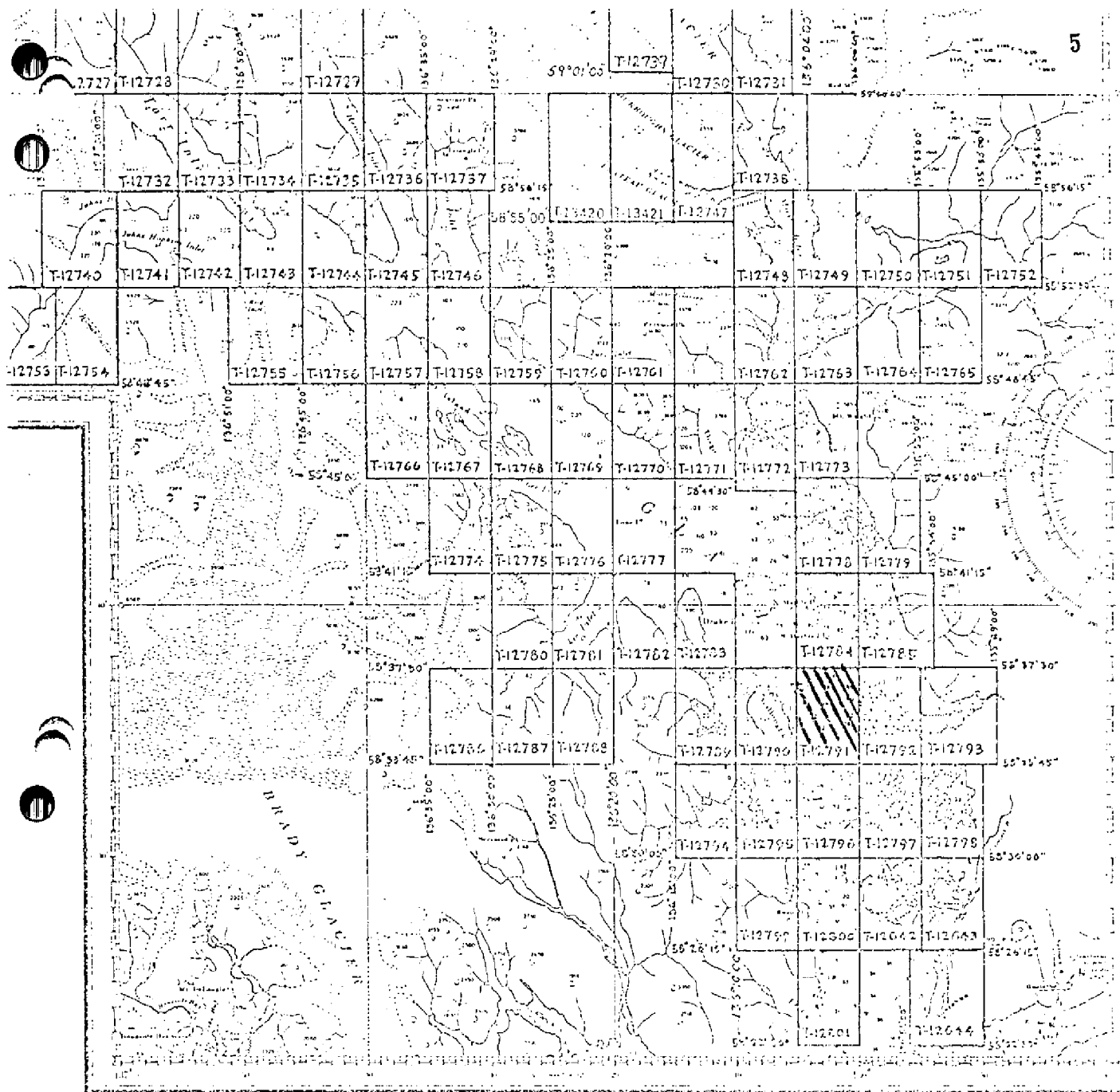
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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. 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	



REVISED 9-5-72 RWH

JOB PH-6502
GLACIER BAY
ALASKA

Shoreline Mapping

SCALE 1:10,000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12791

This 1:10,000 scale shoreline survey is one of 80 maps that comprise Project PH-6502, Glacier Bay, Alaska. The job diagram shows the location of this map in the project.

There was no field inspection or field edit of this map.

Compilation was done graphically at the Atlantic Marine Center in September 1973.

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

The original manuscript was a stabilene sheet 3' 45" 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.

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,

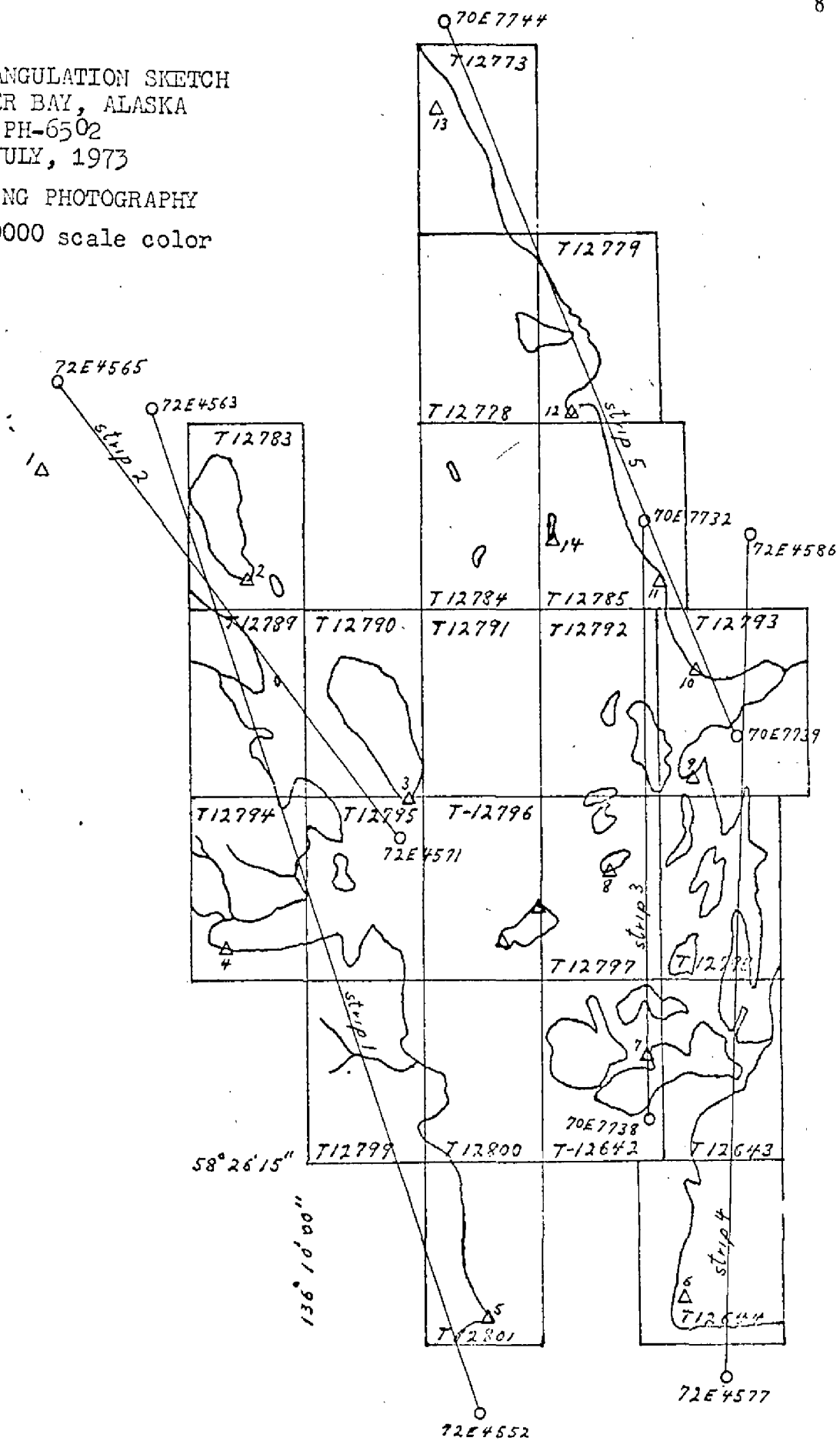
Don O. Norman
Don O. Norman

approved by:

John D. Perrow, Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation
Section

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

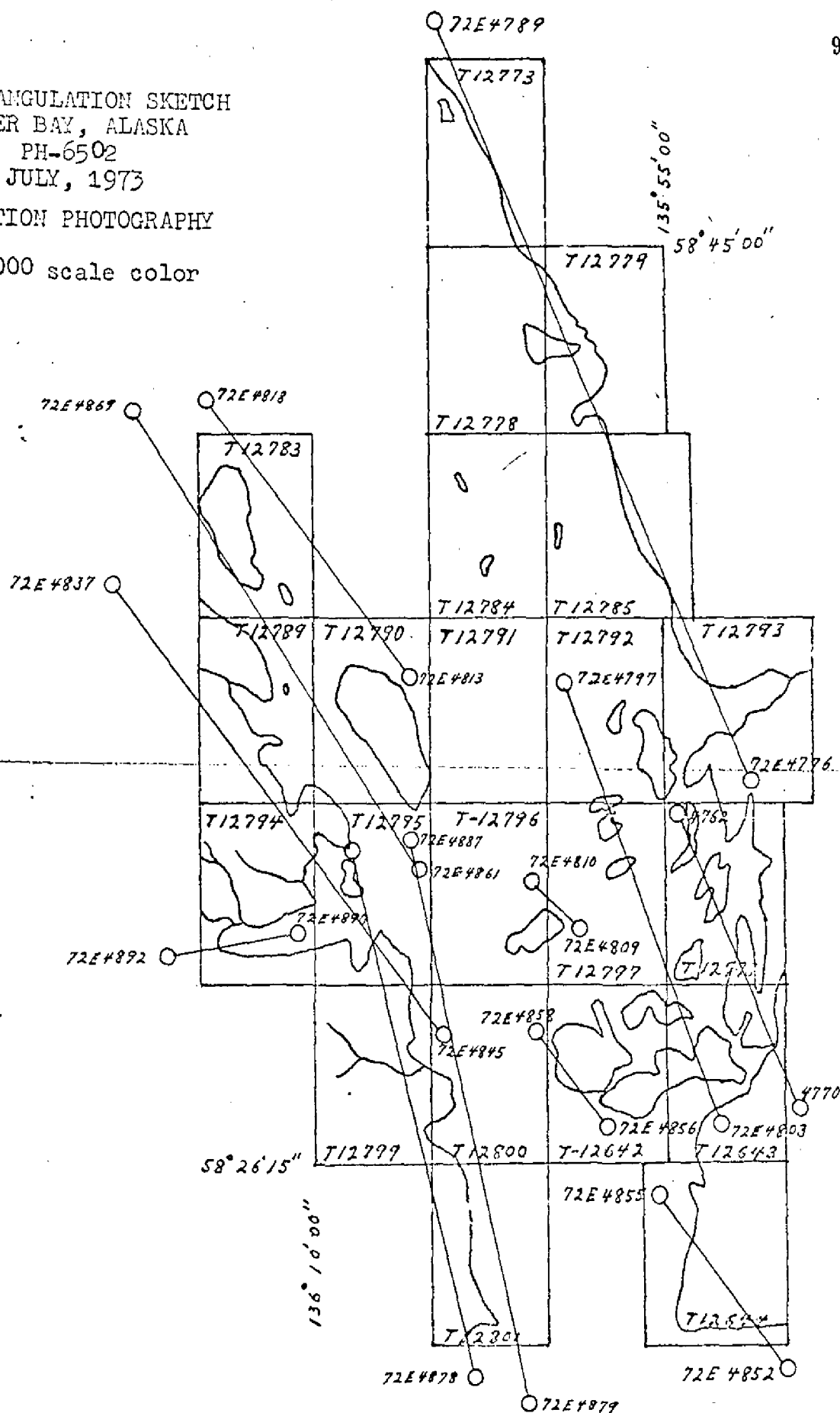
BRIDGING PHOTOGRAPHY
01:40000 scale color



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

COMPILATION PHOTOGRAPHY

O 1:30000 scale color



GLACIER BAY
Southern Part
Fit to Control

Strip 1

5 CARO, 1923 (+0.4, -0.4)
4 JILL, 1938 (-0.8, +2.2)
2 OPEN, 1939 (+2.1, -2.6)
1 RIDGE, 1939 (-1.8, +0.8)

Strip 2

1 RIDGE, 1939 (0.0, 0.0)
2 OPEN, 1939 (0.0, 0.0)
3 STAR, 1938 (0.0, 0.0)

Strip 3

11 GOAT, 1938 (-0.3, -2.6)
10 CANT, 1939 (+1.9, +2.8)
9 VEGA, 1939 (+1.2, +0.5)
8 SOCK, 1938 (-3.5, -1.9)
7 NAME, 1938 (+0.6, +1.2)

Strip 4

6 STAVE, 1938 (+1.5, -1.3)
773802 (-6.2, +2.7)
736801 (+3.4, -2.0)
9 VEGA, 1939 (+3.3, +0.3)
733802 (-2.0, +0.3)

Strip 5

9 VEGA, 1939 (-0.4, -0.8)
10 CANT, 1939 (-0.1, +2.3)
11 GOAT, 1939 (-2.3, -0.2)
14 LITE, 1939 (-0.5, -2.8)
12 EARL, 1970 (+3.0, +1.8)
13 SNOWHITE, 1970 (-0.5, -0.1)

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.	JOB NO.	PH-6502	GEODETIC DATUM	NA 1927	ORIGINATING ACTIVITY	Division, Norfolk, Va.
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 1	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS	
NONE			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
			X=	ϕ		
			Y=	λ		
COMPUTED BY			COMPUTATION CHECKED BY		DATE	
LISTED BY			LISTING CHECKED BY		DATE	
HAND PLOTTING BY			HAND PLOTTING CHECKED BY		DATE	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

T-12791

31. DELINEATION:

All details were compiled graphically as none appeared in models which could be set on the B-8 stereoplotter. Shoreline pass points established during the compilation of T-12792, T-12790 & T-12784 were used to orient.

32. CONTROL:

See the attached Photogrammetric Plot Report, dated 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:

There is no mean high water line on this map. A small area of foreshore was delineated graphically from office interpretation of photo 72 E (c) 4811.

36. OFFSHORE DETAILS:

Photograph coverage was adequate to allow the complete delineation of three foul areas.

37. LANDMARKS AND AIDS:

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 USGS Quadrangle: Mt. Fairweather (C-1) Alaska, scale 1:63,360, dated 1949.

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.
W. Gilbert
Cartographic Aid
Sept. 20, 1973

Approved:

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

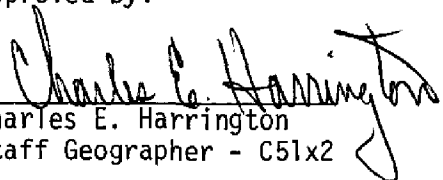
PH-6502 (Glacier Bay, Alaska)

T-12791

Glacier Bay

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

TP -12791

1. PROJECTION AND GRIDS		2. TITLE		3. MANUSCRIPT NUMBERS		4. MANUSCRIPT SIZE	
A. L. S.		ALS		ALS		ALS	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)		7. PHOTO HYDRO STATIONS	
ALS				NA		ALS	
8. BENCH MARKS		9. PLOTTING OF SEXTANT FIXES		10. PHOTOGRAMMETRIC PLOT REPORT		11. DETAIL POINTS	
NA		NA		ALS		ALS	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE		13. LOW-WATER LINE		14. ROCKS, SHOALS, ETC.		15. BRIDGES	
ALS		ALS		ALS		ALS	
16. AIDS TO NAVIGATION		17. LANDMARKS		18. OTHER ALONGSHORE PHYSICAL FEATURES		19. OTHER ALONGSHORE CULTURAL FEATURES	
ALS		ALS		ALS		ALS	
PHYSICAL FEATURES							
20. WATER FEATURES				21. NATURAL GROUND COVER		22. PLANETABLE CONTOURS	
ALS				NA		NA	
23. STEREOSCOPIC INSTRUMENT CONTOURS		24. CONTOURS IN GENERAL		25. SPOT ELEVATIONS		26. OTHER PHYSICAL FEATURES	
NA		NA		NA		ALS	
CULTURAL FEATURES							
27. ROADS		28. BUILDINGS		29. RAILROADS		30. OTHER CULTURAL FEATURES	
ALS		ALS		ALS		ALS	
BOUNDARIES							
31. BOUNDARY LINES				32. PUBLIC LAND LINES			
NA				NA			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES				34. JUNCTIONS		35. LEGIBILITY OF THE MANUSCRIPT	
ALS				ALS		ALS	
36. DISCREPANCY OVERLAY		37. DESCRIPTIVE REPORT		38. FIELD INSPECTION PHOTOGRAPHS		39. FORMS	
ALS		ALS		NA		ALS	
40. REVIEWER <i>A. L. Shands</i> A. L. SHANDS 9/24/73				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				SUPERVISOR			
43. REMARKS							

REVIEW REPORT
T-12791

SHORELINE

August 1977

61. GENERAL STATEMENT:

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

No comparison print was made.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A visual comparison was made with Survey T-6677, 1:20,000 scale, dated Sept. 1938; June-Sept. 1939. No significant differences were noted.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle MT. FAIRWEATHER (C-1), ALASKA, 1:63,360 scale, dated 1949. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None - a legible copy of the contemporary hydrographic survey of the area was not available.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 17300 (8202), 1:209,978 scale, 20th edition, dated Jan. 1, 1977. No significant differences were noted.

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
August 19, 1977

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

D. K. Langford

Chief, Photogrammetric Branch

James C. ...

Chief, Coastal Mapping Div.