

T-12454

T-12454

NOAA FORM 76-35 (6-80)		
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY		
<b>DESCRIPTIVE REPORT</b>		
THIS MAP EDITION WILL NOT BE FIELD EDITED		
<i>Map No.</i> T-12454	<i>Edition No.</i> 1	
<i>Job No.</i> PH-6310		
<i>Map Classification</i> CLASS III FINAL		
<i>Type of Survey</i> SHORELINE		
<b>LOCALITY</b>		
<i>State</i> ALASKA		
<i>General Locality</i> FELICE STRAIT		
<i>Locality</i> CAT ISLAND		
<table border="1"><tr><td>19 69 TO 19 70</td></tr></table>		19 69 TO 19 70
19 69 TO 19 70		
<b>REGISTERED IN ARCHIVES</b>		
<b>DATE</b>		

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.  <h3 style="text-align: center;">DESCRIPTIVE REPORT - DATA RECORD</h3>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY NO. <u>T-12454</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB PH. <u>6310</u>
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
<b>I. INSTRUCTIONS DATED</b>			
1. OFFICE		2. FIELD	
Office Aug. 13, 1964 Aerotriangulation Sept. 26, 1969 Office May 25, 1970 Office Supplement I Oct. 16, 1970 Office Supplement I Nov. 6, 1970		Premarking May 12, 1969	
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input 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		4. GRID(S)	
Polyconic		STATE Alaska	ZONE 1
5. SCALE 1:10,000		STATE	ZONE
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY		R. E. Fisher	Dec 1969
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS PLOTTED BY		B. L. Barge	Sept 1970
METHOD: Coradomat, Manual CHECKED BY		L. L. Graves	Sept 1970
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		A. L. Shands	Sept 1970
COMPILATION CHECKED BY		L. O. Neterer, Jr.	Sept 1970
INSTRUMENT: Wild B-8		CONTOURS BY	N.A.
SCALE: 1:15,000		CHECKED BY	N.A.
4. MANUSCRIPT DELINEATION PLANIMETRY BY		B. L. Barge	Sept 1970
CHECKED BY		L. O. Neterer, Jr.	Oct 1970
METHOD: Smooth drafted		CONTOURS BY	N.A.
SCALE: 1:10,000		CHECKED BY	N.A.
HYDRO SUPPORT DATA BY		B. L. Barge	Dec 1970
CHECKED BY		L. O. Neterer, Jr.	Dec 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. O. Neterer, Jr.	Dec 1970
6. APPLICATION OF FIELD EDIT DATA BY		N.A.	
CHECKED BY		N.A.	
7. COMPILATION SECTION REVIEW Class III BY		L. O. Neterer, Jr.	Dec 1970
8. FINAL REVIEW Class III Final BY		L. O. Neterer, Jr.	Jan 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr.	May 1986
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dempsey	July 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. D. Roberts	AUG 86

**1. COMPILATION PHOTOGRAPHY**

CAMERA(S) (focal length = 152.71 mm) Wild R.C. - 8 "E"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Pacific	
				MERIDIAN	
				120° West	
				<input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 69E(C) 887-889	Jul. 28, 1969	1355	1:30,000	12.7 ft. above MLLW	
* 69E(C) 898 & 899	Jul. 28, 1969	1422	1:30,000	13.2 ft. above MLLW	
70E(C) 7138 & 7139	Jul. 21, 1970	0928	1:20,000	3.4 ft. below MLLW	
70E(C) 7150-7153	Jul. 21, 1970	0935	1:20,000	3.3 ft. below MLLW	

REMARKS \*Photo centers do not fall on this map.

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

The mean high-water line was delineated from office interpretation of the above listed 1969 photography.

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

The mean lower low-water line was delineated from the above listed 1970 photography.

**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
No Survey	T-12455	T-12460	T-12453

REMARKS

T-12454

HISTORY OF FIELD OPERATIONS

I.  FIELD INSPECTION OPERATION  FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. L. Newson	Jul 1969
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	N.A. N.A. N.A.	
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	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED N.A.	
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  NONE  
6. 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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Dec. 1970	Class III Map		Dec. 1970
Final Review	Jan. 1986	Final Class III Map No field edit performed		

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

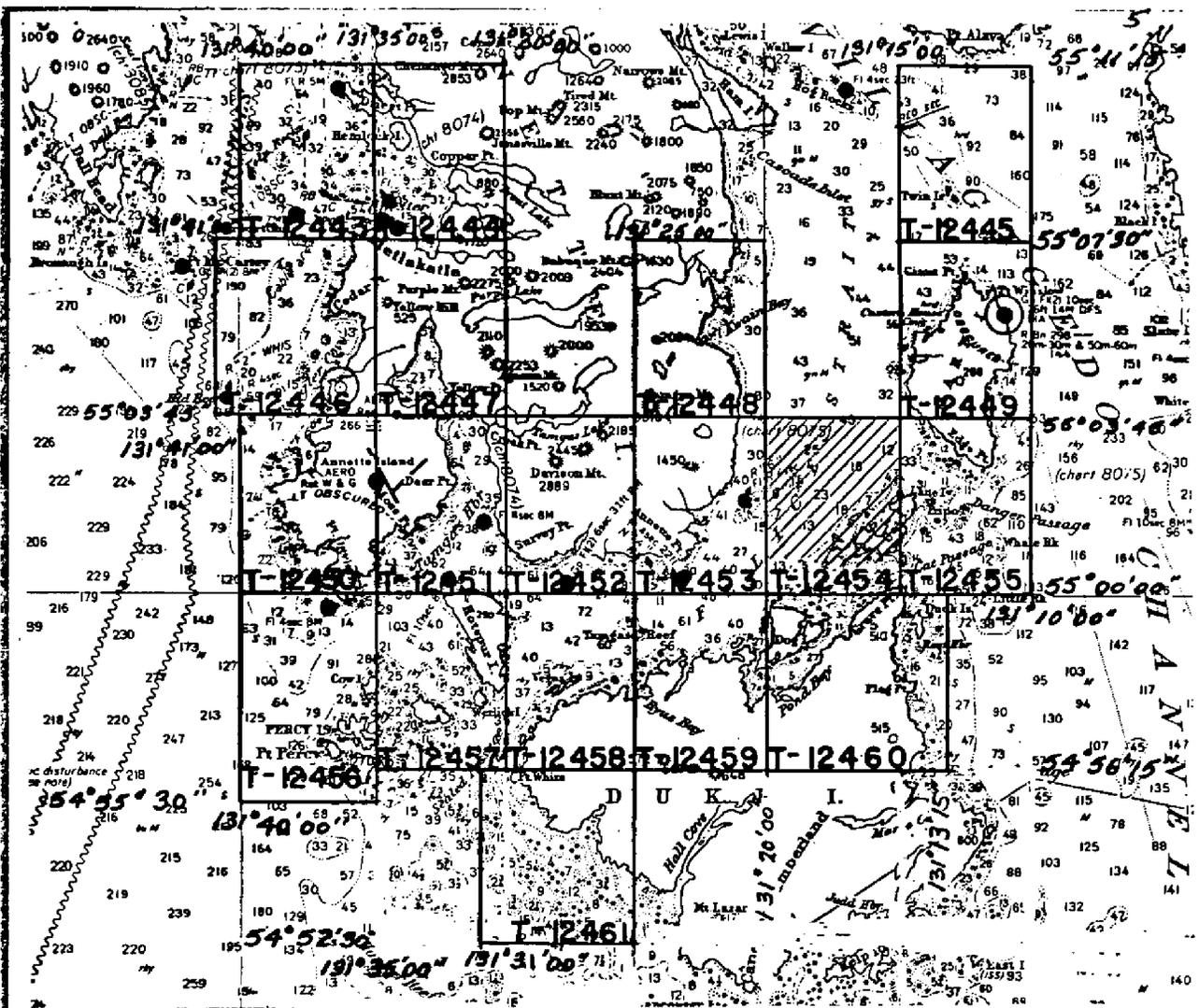
2.  REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

III. FEDERAL RECORDS CENTER DATA

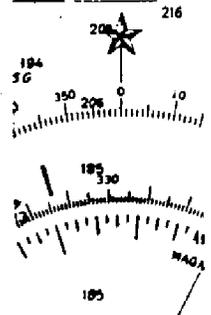
1.  BRIDGING PHOTOGRAPHS;  DUPLICATE BRIDGING REPORT;  COMPUTER READOUTS.
2.  CONTROL STATION IDENTIFICATION CARDS;  FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3.  SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:  
*Some source data located at Wilkens Ave STORAGE Box 13*
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
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL



SHEET NUMBER	AREA Sq. Mi.	SHEET NUMBER	AREA Sq. Mi.
12443	1	12453	3
12444	5	12454	2
12445	1	12455	3
12446	3	12456	3
12447	3	12457	6
12448	3	12458	4
12449	6	12459	6
12450	8	12460	8
12451	6	12461	3
12452	2	TOTAL	38
TOTAL	38		



**JOB PH-6310**  
**SHORELINE MAPPING**  
**ANNETTE ISLAND, ALASKA**  
**SCALE 1:10,000**

*Rev 2/2/60*

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-12454

This 1:10,000 scale map is one of nineteen maps that comprise project PH-6310. It is one of eleven maps added to the original Project 21069 Annette Island, Alaska.

This project encompasses Annette Island from Revillegigedo Channel longitude 131°10'00" west to Nichols Passage, longitude 131°41'00" and from Duke Island latitude 54°52'30" north to Annette Island, latitude 55°11'15".

Instructions dated June 29, 1977 require maps T-12443, T-12444, T-12446, T-12447, T-12450, T-12451, T-12452, T-12456, T-12457, T-12458 and T-12461 to be registered as Final Maps. Maps T-12445, T-12448, T-12449, T-12453, T-12454, T-12455, T-12459 and T-12460 are to be registered as Final Class III Maps.

Field work prior to compilation consisted of identification of the horizontal control for bridging by premarking methods.

Photographic coverage was provided in July 1969 using color film with the "E" camera (focal length 152.71 millimeters) at 1:30,000 scale and supplemental Mean Lower Low Water color photography using the "E" camera taken in July 1970 at 1:20,000 scale.

Analytic aerotriangulation was performed at the Washington Science Center in December 1969.

Compilation was performed at the Atlantic Marine Center in December 1970. No field edit is to be assigned. This is a Class III map.

Final Review was performed at the Atlantic Marine Center in January 1986.

This Descriptive Report contains all pertinent information used to compile this Final Class III Map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

T-12454

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation.

Photogrammetric Plot Report  
Felice Strait, Alaska  
Project PH-6310

December 1969

21. Area Covered

This project covers areas in the vicinity of Felice Strait - Annette Island, Alaska. T-sheets included are as follows:

T-12445, T-12448, T-12449, T-12452 through T-12455,  
T-12458 through T-12461

All T-sheets are at 1:10,000 scale.

22. Method

Five strips were bridged to provide horizontal positions of pass points needed for compilation. Strip 15 was bridged using fully analytical aerotriangulation methods. Strips 16, 19, 20 and 21 were bridged on the C-5 and C-8 stereo-planigraphs and adjusted by electronic computer.

Strip 15 was needed mainly to furnish supplemental control points for Strip 16. A second degree adjustment was made using four control stations.

Strip 16 was bridged on the C-8 and used a first degree adjustment holding two control stations.

Strip 19 was bridged on the C-5 and adjusted by first degree methods using two control stations.

Strips 20 and 21 were bridged on the C-8. In both cases a third degree adjustment was made using four control stations.

All pass points in this project were drilled.

23. Adequacy of Control

Control was adequate in all strips. However station "TIP 1914" in strips 16 and 17 and station "TAIL 1915" in strip 20 are believed to be bad and were thrown out. The bridge position of station "TIP 1914" was off by several thousand feet from its published position. This error appeared in both strip 16 and strip 17. Geodesy could not verify the existence of any station at the location of the target.

-2-

The bridge position of station "TAIL 1915" in strip 20 was also off by several thousand feet from its published position. Geodesy gave the same position for both "TAIL 1915" and "BOW 1915". Geodesy could not verify the existence of any station at the location of the target.

Station "BALL 1915" was premarked but was not read on strip 15 as it was obliterated by cloud cover.

Several target arrays were altered somewhat by the time of photography, probably by wind and wave action. The worst of these were "AGE 1932" and "GIANT 1915", both in strip 21. However, the center panels are believed to still be in their correct positions.

All horizontal control stations were premarked with panels and/or whitewash.

#### 24. Supplemental Data

U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of bridges.

#### 25. Photography

Photography was satisfactory with regard to coverage, overlap and definition.

Submitted by,



Robert E. Fisher  
Cartographer (Photo)

Approved and Forwarded,



Henry P. Eichert  
Chief, Aerotriangulation  
Section

PH-6310  
Annette Is. Alaska

ANNETTE  
ISLAND

69E523

69E893  
MAST 1932

▲ LIM 1914

▲ GIANT 1915

▲ TP 1914

WEED  
1915

69E516  
▲ BRITE  
1914

GRAVE  
1915

FELICE STRAIT

▲ SAM  
1915

▲ TAIL  
1915

69E817

▲ JUN 1915

▲ BALL 1915

▲ DRUG 1915

DUKE ISLAND

▲ AGE  
1932

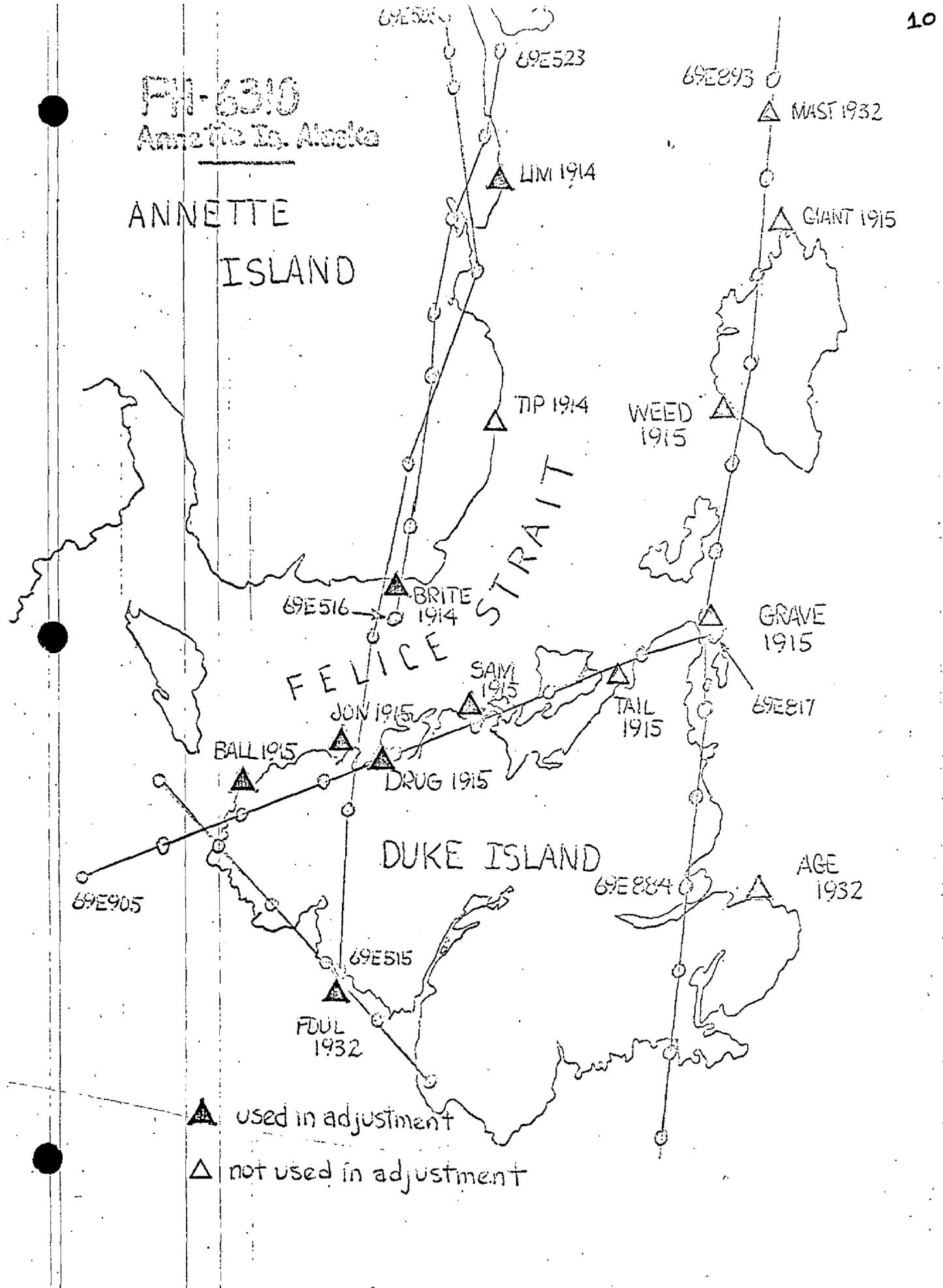
69E905

69E884

69E515

▲ FDUL  
1932

▲ used in adjustment  
△ not used in adjustment



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	PH-6310 AEROTRI-ANGULATION POINT NUMBER	GEODEIC DATUM		GEOGRAPHIC POSITION		REMARKS
					COORDINATES IN FEET STATE Alaska ZONE 1	ORIGINATING ACTIVITY Division, AMC, Norfolk, VA	$\phi$ LATITUDE	$\lambda$ LONGITUDE	
T-12454	PH-6310				N.A. 1927				Coastal Mapping
CAT 1914	G.P. Vol. 1 P. 047				X=	$\phi$ 55 01 30.510			
					Y=	$\lambda$ 131 10 33.213			
DAY 1915	G.P. Vol 1 P. 078				X=	$\phi$ 55 00 24.019			
					Y=	$\lambda$ 131 17 32.920			
FISH 1914	G.P. Vol 1 P. 063				X=	$\phi$ 55 00 31.380			
					Y=	$\lambda$ 131 19 00.909			
GILL 1915	G.P. Vol 1 P. 079				X=	$\phi$ 55 00 30.327			
					Y=	$\lambda$ 131 18 52.482			
INDIAN 1915	G.P. Vol 1 P. 079				X=	$\phi$ 55 00 42.676			
					Y=	$\lambda$ 131 16 46.889			
PINK 1915	G.P. Vol 1 P. 079				X=	$\phi$ 55 00 11.70			
					Y=	$\lambda$ 131 18 22.21			
SUN 1915	G.P. Vol 1 P. 078				X=	$\phi$ 55 00 07.319			
					Y=	$\lambda$ 131 15 29.387			
TACK 1915	G.P. Vol 1 P. 079				X=	$\phi$ 55 00 15.414			
					Y=	$\lambda$ 131 17 57.214			
TOM 1915	G.P. Vol 1 P. 078				X=	$\phi$ 55 00 29.810			
					Y=	$\lambda$ 131 15 48.783			
TOT 1915	G.P. Vol 1 P. 078				X=	$\phi$ 55 01 02.596			
					Y=	$\lambda$ 131 16 49.932			
COMPUTED BY B. L. Barge				DATE 9/17/70	COMPUTATION CHECKED BY L. O. Neterer, Jr.				DATE 9/18/70
LISTED BY				DATE	LISTING CHECKED BY				DATE
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY				DATE

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-6310	GEODETTIC DATUM		ORIGINATING ACTIVITY	REMARKS
			N.A. 1927	Division, AMC, Norfolk, VA		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION	
			STATE	ZONE	$\phi$ LATITUDE	$\lambda$ LONGITUDE
T-12454			Alaska	1		
VIS 1915	G.P. Vol. 1 P. 079				$\phi$ 55 00 44.146	
					$\lambda$ 131 17 14.513	
					$\phi$	
					$\lambda$	
					$\phi$	
					$\lambda$	
					$\phi$	
					$\lambda$	
					$\phi$	
					$\lambda$	
					$\phi$	
					$\lambda$	
					$\phi$	
					$\lambda$	
					$\phi$	
					$\lambda$	
					$\phi$	
					$\lambda$	
COMPUTED BY B. L. Barge		DATE 9/17/70	COMPUTATION CHECKED BY I. O. Neterer, Jr.		DATE 9/18/70	
LISTED BY		DATE	LISTING CHECKED BY		DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE	

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

COMPILATION REPORT  
T-12454

31 - DELINEATION

The Wild B-8 was used for delineation of the Mean High Water line from photography taken at near high water in July, 1969.

Photography of July 21, 1970 taken at 3 feet below MLLW was used for the low water details. The area of Bostwick Reef, below the low water datum, is not visible on the photography and was not delineated.

There was no field inspection prior to compilation.

32 - CONTROL

See the Photogrammetric Plot Report, Felice Strait, Alaska, project PH-6310, dated December 1969.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable.

Drainage was delineated from office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated from office interpretation of the high water photographs of July 1969 which were taken at mean high water.

Low water and foreshore details were delineated from photographs of July 1970.

36 - OFFSHORE DETAILS

Offshore details were delineated from photographs taken in July 1970 at about 3 feet below MLLW. Bostwick Reef could not be compiled as stated in item 31.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

T-12454

39 - JUNCTIONS

See form 76-36D, item 5, included with this report.

40 - HORIZONTAL AND VERTICAL ACCURACY

See photogrammetric plot report included with this report, dated December 1969.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. Quadrangle KETICHAN (A-4), Alaska, scale 1:63,360, dated 1955.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Chart 8075, REVILLAGIGEDO CHANNEL, scale 1:80,000, 3rd edition, dated September 2, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by

*J. L. Barge for*  
B. L. Barge  
Cartographic Technician  
September 25, 1970

Approved

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

May 11, 1970

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-6310 (Alaska)  
T-1245A

Bostwick Reef  
Cat Island  
Cat Passage  
Double Islands  
Duke Island  
Felice Strait  
Fish Islands  
Village Island

Approved by:

A. Joseph Wright  
A. J. Wright  
Chief Geographer

Prepared by:

Frank W. Pickett  
Frank W. Pickett  
Cartographic Technician

REVIEW REPORT  
SHORELINE

T-12454

61 - GENERAL STATEMENT

See Summary included with this report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S. Geological Survey Quadrangle: Ketchikan (A-4), Alaska, scale 1:63,360, dated 1955.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There is no contemporary hydrographic survey within the limits of this map.

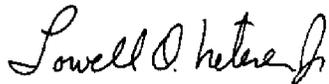
65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N.O.S. chart 17439, 9th edition 1:80,000 scale, dated February 14, 1981.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by



Lowell O. Neterer, Jr.  
Final Reviewer  
15 January 1986

Approved for forwarding



Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section,  
Rockville

Chief, Photogrammetry Branch,  
Rockville

