

T-12461

T-12461

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12461	Edition No. 1
Job No. PH-6310	
Map Classification FINAL	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality FELICE STRAIT	
Locality POINT WHITE	
19 69 TO 19 73	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA		SURVEY TR. <u>12461</u> MAP EDITION NO. (1) MAP CLASS Final JOB PH. <u>6310</u>	
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__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Office August 13, 1964 Aerotriangulation September 26, 1969 Office May 25, 1970 Office Supplement I October 6, 1970 Office Supplement II November 6, 1970		Premarking May 12, 1969	
II. DATUMS			
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 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 BY METHOD: Stereoplanigraph LANDMARKS AND AIDS BY		R. E. Fisher Dec 1969	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		B. L. Barge Aug 1970 L. L. Graves Aug 1970	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: WILD B-8 SCALE: 1:10,000 CONTOURS BY CHECKED BY		A. L. Shands Aug 1970 L. O. Neterer Aug 1970 N.A. N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		B. L. Barge Sept 1970 A. L. Shands Sept 1970 N.A. N.A. B. L. Barge Sept 1970 A. L. Shands Sept 1970	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A. L. Shands Sept 1970	
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		F. R. Gustafson Oct 1978 C. Blood Oct 1978	
7. COMPILATION SECTION REVIEW BY		C. Blood Oct 1978	
8. FINAL REVIEW BY		L. O. Neterer, Jr. May 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		E. C. DAUGHERTY AUG 86	

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

T-12461

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) (focal length = 152.71 mm) Wild R.C. - 8		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific MERIDIAN 170°West	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C)868 thru 871	Jul.28,1969	1355	1:30,000	13.9 ft. above MLLW	
70E(C)7119 thru 7123	Jul.21,1970	0913	1:20,000	3.3 ft. below MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The mean lower low-water line was delineated from office interpretation of the above listed low-water photographs.

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-12457, T-12458	No Survey	No Survey	No Survey

REMARKS

T-12461

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. L. Newsom	Jul. 1969
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None R. C. Husted
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

Paneled

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
69E(C)870	FOUL, 1932		

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)

One Form 152

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

T-12461

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	M. H. Fleming	Apr. 1973
2. HORIZONTAL CONTROL	RECOVERED BY M. H. Fleming ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	Apr. 1973
3. VERTICAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
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 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 ☒ 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)

One field edit ozalid and report.

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit.	Dec. 1970	Class III Manuscript	None	Sept. 1970
Field edit applied, compilation complete.	Jun. 1974	Class I Manuscript	None	None
Final Review	May 1986	Final Map		

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

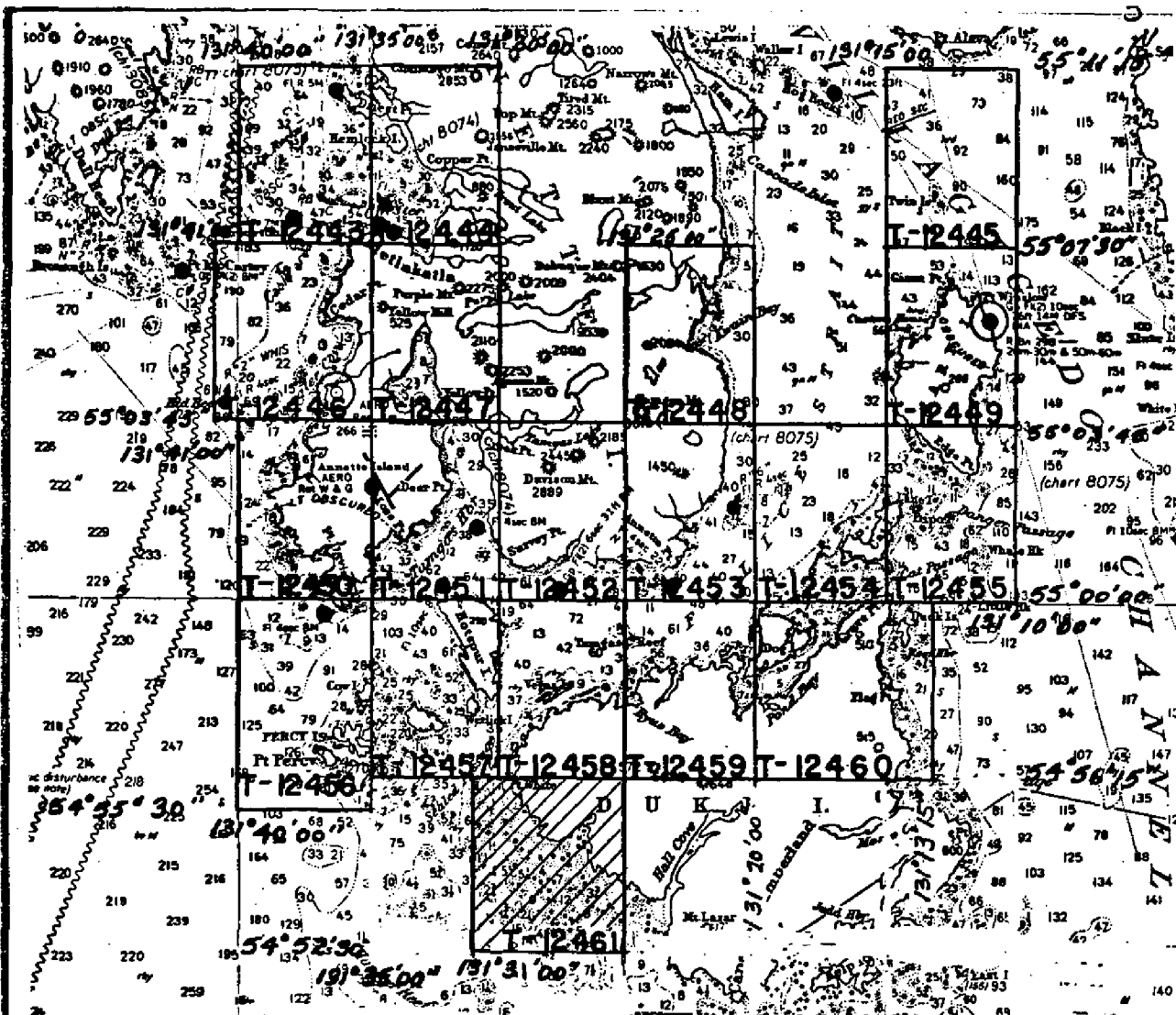
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

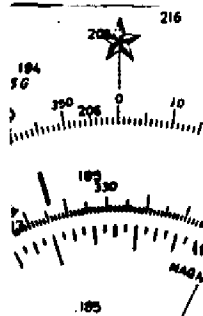
1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
Some source data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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12461

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 during the 1969 field season.

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

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

Compilation was performed at the Atlantic Marine Center in September 1970.

Field edit was accomplished in April 1973.

Application of field edit was completed in June 1974 at the Atlantic Marine Center.

Final review was performed at the Atlantic Marine Center in May 1986.

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

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

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FIELD INSPECTION

T-12461

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

Aerotriangulation Report

Project 21069

Annette Island, Alaska

21. Area Covered

The bridging covers the south side of Annette Island, Hotspur Island and the Percy Islands. This report applies to surveys T-12450, T-12451, T-12452, T-12453, T-12456, T-12457, T-12458 and T-12461.

22. Method

Two strips were bridged to provide control for shoreline compilation. Strip No. 5 consisted of 1:30,000 scale photographs 63-W-7185-92 and was adjusted on four triangulation stations. Strip No. 6 consisted of 1:30,000 scale photographs 63-W-7196-7201 and was adjusted on three triangulation stations. Both strips were bridged on the Zeiss C-5 Stereoplanigraph.

23. Adequacy of Control

Control positions were adequate for bridge adjustments. Sub-station No. 1 of Duncan, 1912-21 was not held by approximately the same distances as in Strip No. 4. From this evidence, it was concluded that the station was misidentified in the field. All other points held within accuracy requirements. Common pass points between Strip No. 4 and Strip No. 5 were averaged. There were no common pass points between Strip No. 5 and Strip No. 6.

24. Supplemental Data

None

25. Photography

Photography was adequate as to definition and coverage.

Submitted by:

Edward L. Rolle by JDP

Edward L. Rolle

Approved by:

John D. Perrow, Jr.
John D. Perrow, Jr.

Aug 11, 1964

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)

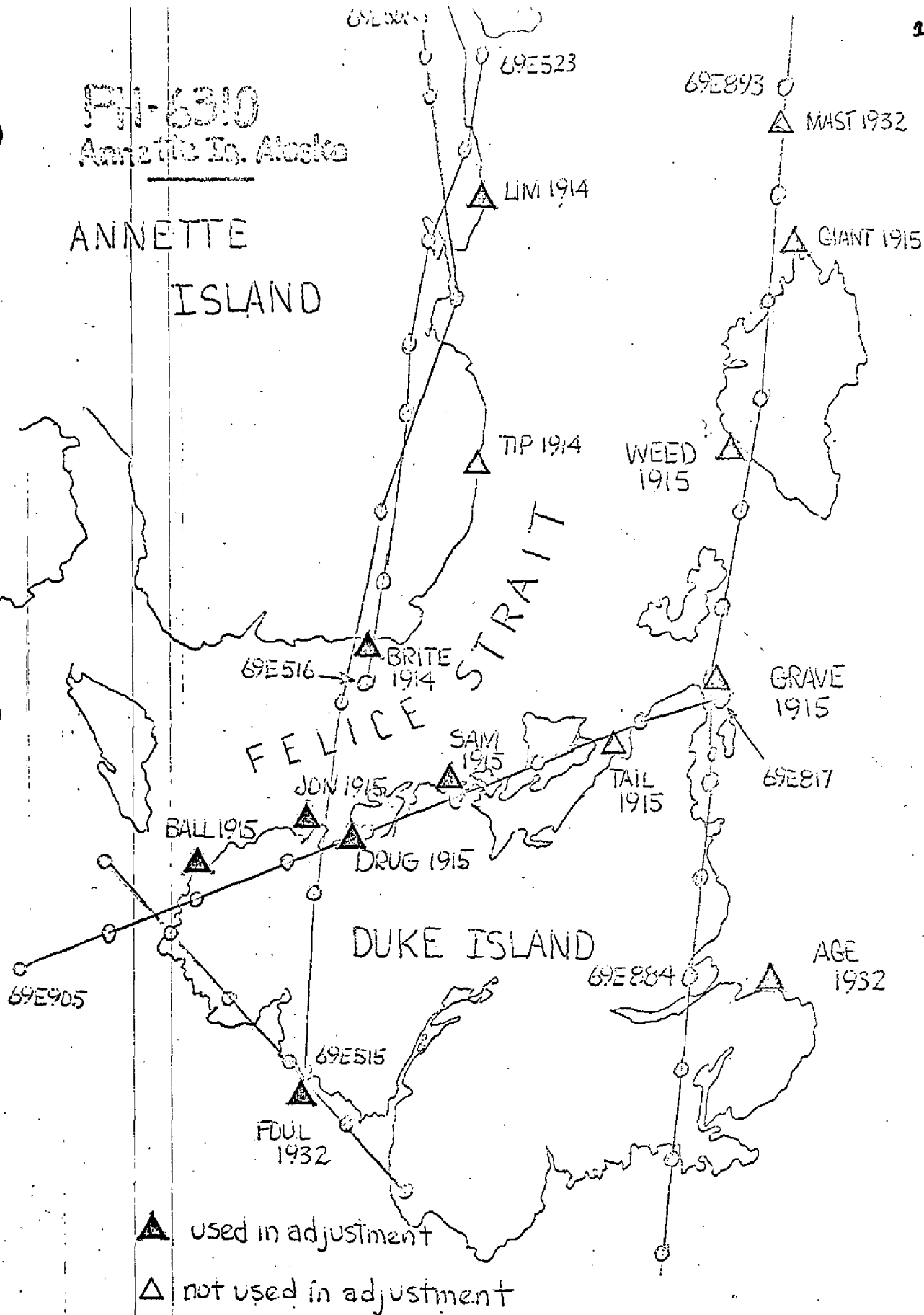
Approved and Forwarded,



Henry P. Eichert
Chief, Aerotriangulation
Section

FH-6310

Annette Is. Alaska

ANNETTE
ISLAND

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	COORDINATES IN FEET	GEOGRAPHIC POSITION	ORIGINATING ACTIVITY	REMARKS
STATION NAME	SOURCE OF INFORMATION (Index)	STATE	ZONE	ϕ LATITUDE λ LONGITUDE	Division, AMC, Norfolk, VA	
FOUL, 1932	54131 pg. 3 G.P. Vol. 3 pg. 706	Alaska	I	ϕ 54 53 54.057 λ 131 25 44.917		
LID, 1932	54131 pg. 4 G.P. Vol. 3 pg. 707			ϕ 54 54 50.526 λ 131 27 57.771		
POINT, 1932	54131 pg. 4 G.P. Vol 3 pg. 707			ϕ 54 55 56.605 λ 131 29 35.762		
				ϕ		
				λ		
				ϕ		
				λ		
				ϕ		
				λ		
				ϕ		
				λ		
				ϕ		
				λ		
				ϕ		
				λ		
COMPUTED BY B. L. Barge						
LISTED BY						
HAND PLOTTING BY						
	DATE 9/3/70	COMPUTATION CHECKED BY Arnold L. Shands			DATE 9/3/70	
	DATE	LISTING CHECKED BY			DATE	
	DATE	HAND PLOTTING CHECKED BY			DATE	

COMPILATION REPORT
T-12461

31 - DELINEATION

The Wild B-8 stereoplotter was used to delineate the shoreline from office interpretation of the photographs taken July 1969.

There was no field inspection prior to compilation.

32 - CONTROL

See the Photogrammetric Plot Report 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

Shoreline and alongshore detail were compiled from office interpretation of the photographs.

36 - OFFSHORE DETAILS

Offshore details were delineated from office interpretation of the photographs taken July 1970.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

T-12461

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 Prince Rupert (D-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.

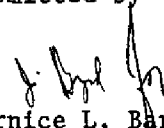
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

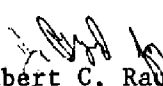
ITEMS TO BE CARRIED FORWARD

None.

Submitted by


Bernice L. Barge
Cartographic Technician
17 September 1970

Approved


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

May 11, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6310 (Alaska)T-12461

clarence strait
duke Island
Point White
sealed Passage

Approved by:

A. Joseph Wright

A. J. Wright
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

REVIEW REPORT
SHORELINE

T-12461

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: Prince Rupert, (D-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.

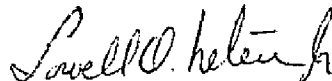
65 - COMPARISON WITH NAUTICAL CHARTS

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

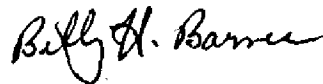
66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by


Lowell O. Neterer, Jr.
Final Reviewer
9 May 1986

Approved for forwarding



Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section,
Rockville

Chief, Photogrammetry Branch,
Rockville

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the R=

[illegible]