

T-12448

T-12448

NOAA FORM 76-35
(6-80)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

Map No.

T-12448

Edition No.

1

Job No.

PH-6310

Map Classification

CLASS III FINAL

Type of Survey

SHORELINE

LOCALITY

State

ALASKA

General Locality

FELICE STRAIT

Locality

KWAIN BAY

19 69 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																	
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED									
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PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TPK <u>12448</u></td> </tr> <tr> <td colspan="2">MAP EDITION NO. <u>(1)</u></td> </tr> <tr> <td colspan="2">MAP CLASS <u>III Final</u></td> </tr> <tr> <td colspan="2">JOB PH. <u>6310</u></td> </tr> </table>		SURVEY TPK <u>12448</u>		MAP EDITION NO. <u>(1)</u>		MAP CLASS <u>III Final</u>		JOB PH. <u>6310</u>									
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JOB PH. _____																			
MAP CLASS _____																			
SURVEY DATES; 19__ TO 19__																			
I. INSTRUCTIONS DATED																			
1. OFFICE		2. FIELD																	
Aerotriangulation Sept. 26, 1969 Office Aug. 13, 1964 Office May 25, 1970 Office Supplement I Oct. 6, 1970 Office Supplement II Nov. 16, 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		4. GRID(S)																	
Polyconic		STATE Alaska	ZONE 1																
5. SCALE 1:10,000		STATE	ZONE																
III. HISTORY OF OFFICE OPERATIONS																			
OPERATIONS		NAME	DATE																
1. AEROTRIANGULATION BY		R. E. Fisher	Dec 1969																
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY																			
2. CONTROL AND BRIDGE POINTS PLOTTED BY		C. E. Blood	Aug 1970																
METHOD: Coradomat, Manual CHECKED BY		B. Wilson	Aug 1970																
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		A. L. Shands	Aug 1970																
COMPILATION CHECKED BY		R. R. White	Aug 1970																
INSTRUMENT: Wild B-8		N.A.																	
SCALE: 1:15,000		N.A.																	
4. MANUSCRIPT DELINEATION PLANIMETRY BY		C. E. Blood	Sept 1970																
CHECKED BY		L. L. Graves	Sept 1970																
METHOD: Smooth drafted		N.A.																	
CHECKED BY		N.A.																	
SCALE: 1:10,000 HYDRO SUPPORT DATA BY		C. E. Blood	Sept 1970																
CHECKED BY		L. L. Graves	Sept 1970																
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. L. Graves	Sept 1970																
6. APPLICATION OF FIELD EDIT DATA BY		N.A.																	
CHECKED BY		N.A.																	
7. COMPILATION SECTION REVIEW Class III BY		L. L. Graves	Sept 1970																
8. FINAL REVIEW Class III Final BY		L. O. Neterer, Jr.	Dec 1985																
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr.	May 1986																
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		B. Dampson	July 1986																
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		CD Dampson	Aug 86																

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12448
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 120° West	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69 E(C) 519 thru 552 ²¹	Jul.18,1969	1002	1:30,000	0.3 ft. below MLLW	
69 E(C) 529 thru 532	Jul.18,1969	1028	1:20,000	0.6 ft. below MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High-Water Line was compiled from office interpretation of the photography 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 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	No Survey	T-12453	No Survey

REMARKS

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

T-12453

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. L. Newsom	July 1969
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None T. C. Howell
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 BY <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		2. VERTICAL CONTROL IDENTIFIED	
None		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 form 152

NOAA FORM 76-36D
(3-72)

T-12448

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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Sept 1970	Class III Manuscript	None	Sept 1970
Final Reviewed	Dec 1970	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: None3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

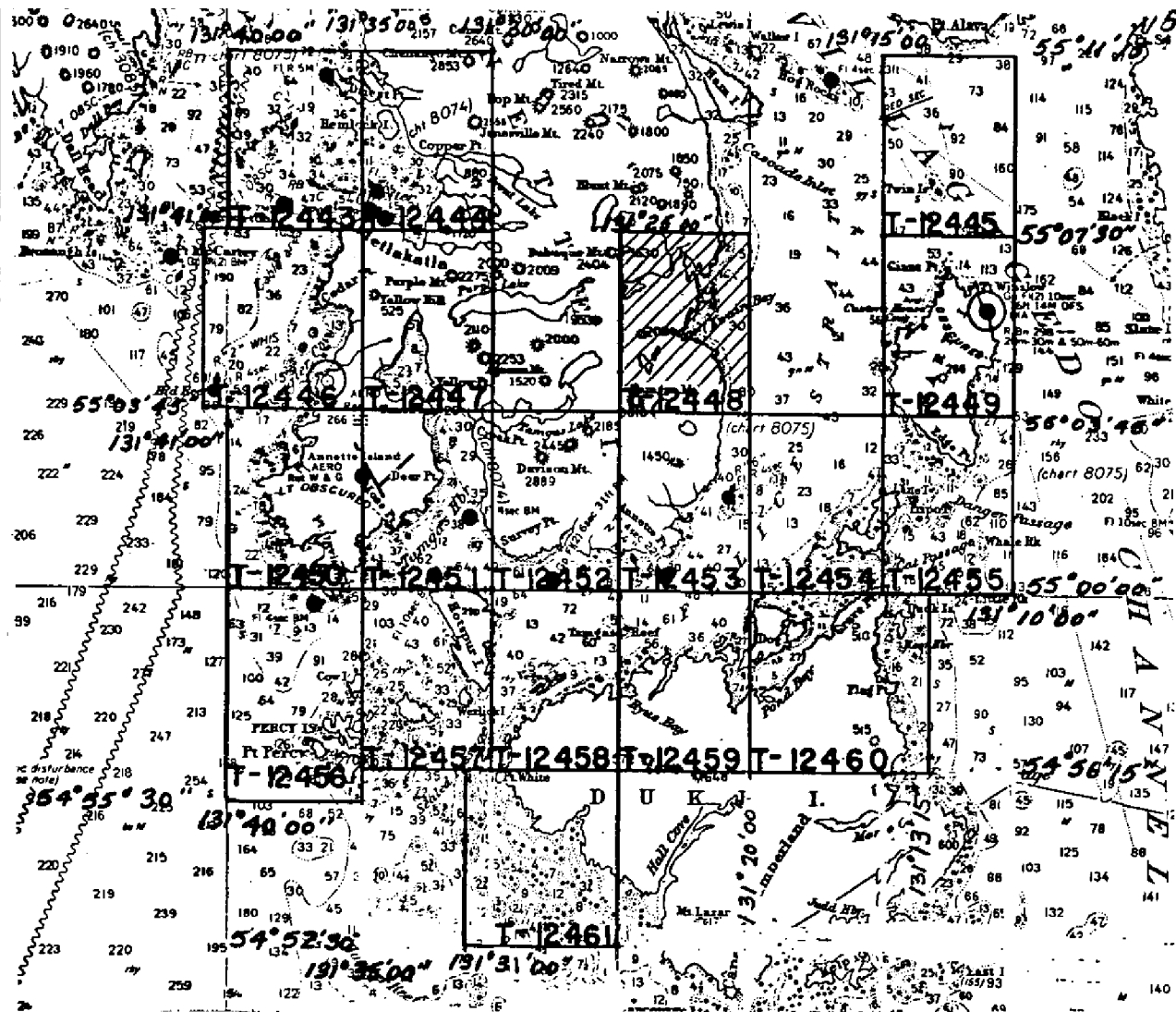
III. FEDERAL RECORDS CENTER DATA

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 Avc 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 4/2/80

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12448

This 1:10,000 scale map is one of nineteen maps that comprise project PH-6310, and 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.

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

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

Compilation was performed at the Atlantic Marine Center in December 1973. No field edit is to be assigned.

Final Review was performed at the Atlantic Marine Center in December 1985.

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-12448

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

8

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

LM 1914

GIANT 1915

TP 1914

WEED
1915

69E516

BRITE
1914FELICE
STRAITSAM
1915GRAVE
1915

69E817

JON 1915

TAIL
1915

BALL 1915

DRUG 1915

DUKE ISLAND

AGE
1932

69E905

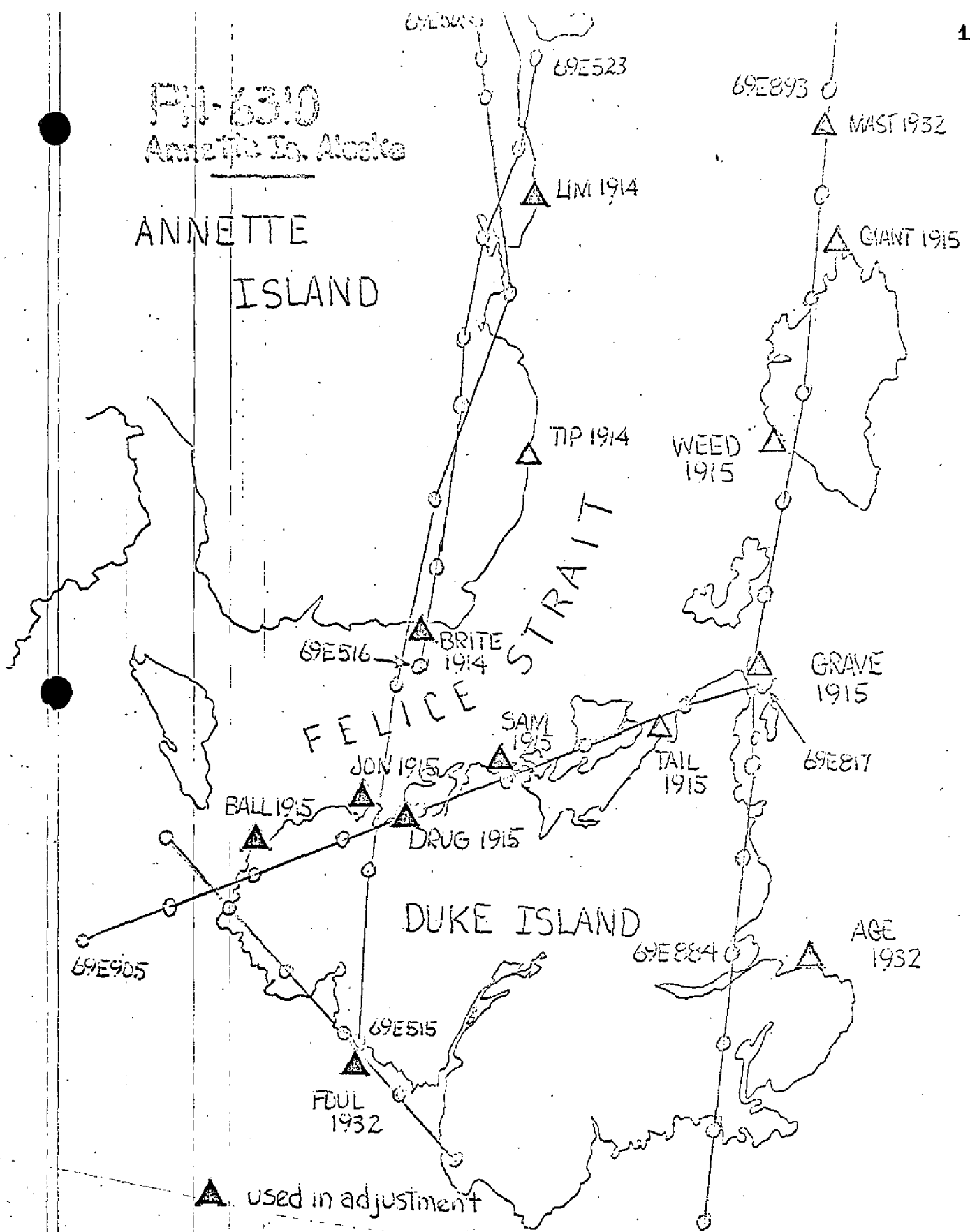
69E884

69E515

FDUL
1932

▲ used in adjustment

△ not used in adjustment



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS	
					PH-6310	NA 1927	STATE	ZONE	ϕ LATITUDE	λ LONGITUDE		
T-12448		KHWAIR, 1914	G.P. Vol. I pg. 47					X=	ϕ 55 04 20.422	ϕ 55 04 20.422	631.5	1223.9
								Y=	λ 131 20 57.674	λ 131 20 57.674	1023.4	41.3
		IIM, 1914	G.P. Vol. I pg. 48					X=	ϕ 55 07 24.713	ϕ 55 07 24.713	764.2	1091.2
								Y=	λ 131 21 01.473	λ 131 21 01.473	26.1	1037.27
		NELS, 1914	G.P. Vol. I pg. 64					X=	ϕ 55 06 05.41	ϕ 55 06 05.41	167.3	1688.1
								Y=	λ 131 21 22.47	λ 131 21 22.47	398.5	665.5
		KO, 1914	G.P. Vol. I pg. 64					X=	ϕ 55 06 38.67	ϕ 55 06 38.67	1195.8	659.6
								Y=	λ 131 21 31.60	λ 131 21 31.60	560.2	503.5
		MILL, 1895	G.P. Vol. I pg. 382					X=	ϕ 55 07 06.452	ϕ 55 07 06.452	199.5	1655.9
								Y=	λ 131 21 07.279	λ 131 21 07.279	129.0	934.5
		PIN, 1914	G.P. Vol. I pg. 64					X=	ϕ 55 07 10.438	ϕ 55 07 10.438	322.8	1532.6
								Y=	λ 131 21 01.037	λ 131 21 01.037	18.4	1045.1
								X=	ϕ	ϕ		
								Y=	λ	λ		
								X=	ϕ	ϕ		
								Y=	λ	λ		
								X=	ϕ	ϕ		
								Y=	λ	λ		
								X=	ϕ	ϕ		
								Y=	λ	λ		
								X=	ϕ	ϕ		
								Y=	λ	λ		
COMPUTED BY								COMPUTATION CHECKED BY	C. E. Blood		DATE	8/25/70
LISTED BY	A. L. Shands (listed)							LISTING CHECKED BY			DATE	
HAND PLOTTING BY								HAND PLOTTING CHECKED BY			DATE	

COMPILATION REPORT
T-12448

31 - DELINEATION

The Wild B-8 stereoplotter was used to compile this map. There was no field inspection. Photography was adequate.

32 - CONTROL

See 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

The MHWL, MLLWL, ledge, rocks and other alongshore detail were delineated from office interpretation of the photographs.

36 - OFFSHORE DETAILS

Several reefs and rocks were delineated from office interpretation of the photographs.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

T-12448

39 - JUNCTIONS

Refer to form 76-36B, item 5, included with this report.

40 - HORIZONTAL AND VERTICAL ACCURACY

No statement.

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

Charles Blood
C. E. Blood
Cartographic Technician
September 3, 1970

Approved

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

May 11, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6310 (Alaska)T-12448

Annette Island
Crab Bay
Felice Channel
Kwain Bay
Kwain Lake
Tamgas Mountain

Approved by:

A. Joseph Wraight

A. J. Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

REVIEW REPORT
SHORELINE

T-12448

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-5), Alaska, scale 1:63,360, dated 1955.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was conducted within the limits of this map.

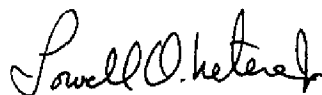
65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N.O.S. chart 17434, 9th edition 1:80,000 scale, dated February 14, 1981.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

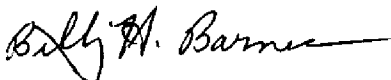
This map complies with Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by



Lowell O. Neterer, Jr.
Final Reviewer

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 Review.

[illegible]