

T-12460

T-12460

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-12460	Edition No. 1
Job No. PH-6310	
Map Classification CLASS III FINAL	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality FELICE STRAIT	
Locality POND BAY	
19 ₆₉ TO 19 ₇₀	
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, Atlantic Marine Center, Norfolk, VA		SURVEY TR. 12460 MAP EDITION NO. (1) MAP CLASS III Final JOB PH. 6310	
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	Premarking	May 12, 1969
Aerotrinagulation	September 26, 1969		
Office	May 25, 1970		
Office Supplement I	October 16, 1970		
Office Supplement II	November 6, 1970		

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	R. E. Fisher	Dec 1969	
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS PLOTTED BY	L. O. Neterer	Sept 1970	
METHOD: Coradomat, Manual CHECKED BY	R. R. White	Sept 1970	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	A. L. Shands	Sept 1970	
COMPILATION CHECKED BY	L. O. Neterer	Sept 1970	
INSTRUMENT: Wild B-8	N.A.		
SCALE: 1:10,000	N.A.		
4. MANUSCRIPT DELINEATION PLANIMETRY BY	L. O. Neterer	Sept 1970	
CHECKED BY	B. Wilson	Oct 1970	
METHOD: Smooth drafted	N.A.		
CHECKED BY	N.A.		
SCALE: 1:10,000 HYDRO SUPPORT DATA BY	L. O. Neterer	Sept 1970	
CHECKED BY	B. Wilson	Oct 1970	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	B. Wilson	Oct 1970	
6. APPLICATION OF FIELD EDIT DATA BY	N.A.		
CHECKED BY	N.A.		
7. COMPILATION SECTION REVIEW Class III BY	L. L. Graves	Oct 1970	
8. FINAL REVIEW Class III BY	L. O. Neterer, Jr.	Apr 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. L. DAUGHERTY	AUG 86	

NOAA FORM 76-36B
(3-72)

T-12460

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) (focal length =152.71 mm)

Wild R.C. - 8

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

☒ PREDICTED TIDES☐ REFERENCE STATION RECORDS☐ TIDE CONTROLLED PHOTOGRAPHY

(C) COLOR

(P) PANCHROMATIC

(I) INFRARED

ZONE

☐ STANDARD

MERIDIAN

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
69E(C)898 and 69E(C)899	Jul.28,1969	1355	1:30,000	12.7 ft. above MLLW
69E(C)884 thru 887	Jul.28,1969	1422	1:30,000	13.2 ft. above MLLW
70E(C)7136 and 7137	Jul.21,1970	0925	1:20,000	3.4 ft. below MLLW
70E(C)7154	Jul.21,1970	0936	1:20,000	3.3 ft. below MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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 low-water photographs listed above.

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-12454, T-12455	No Survey	No Survey	T-12459

REMARKS

T-12460

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 D. M. Spillman
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
None2. 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)

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
T-12460

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 Manuscript	None	Dec 1970
Final Review	Mar. 1986	Final Class III		

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

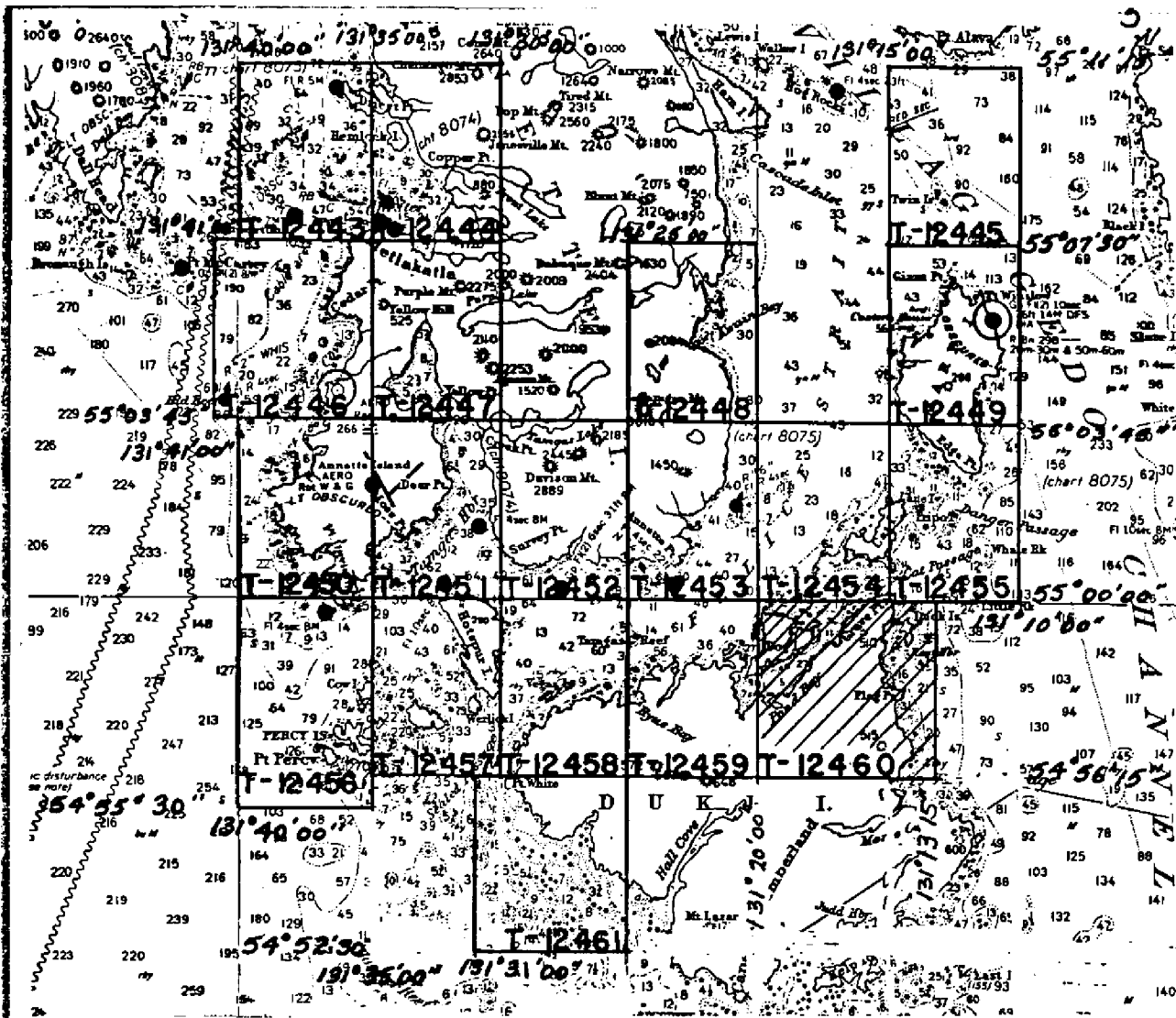
1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

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		

ote Box
188



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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12460

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 December 1970. No field edit is to be assigned.

Final review was performed at the Atlantic Marine Center in April 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-12460

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,

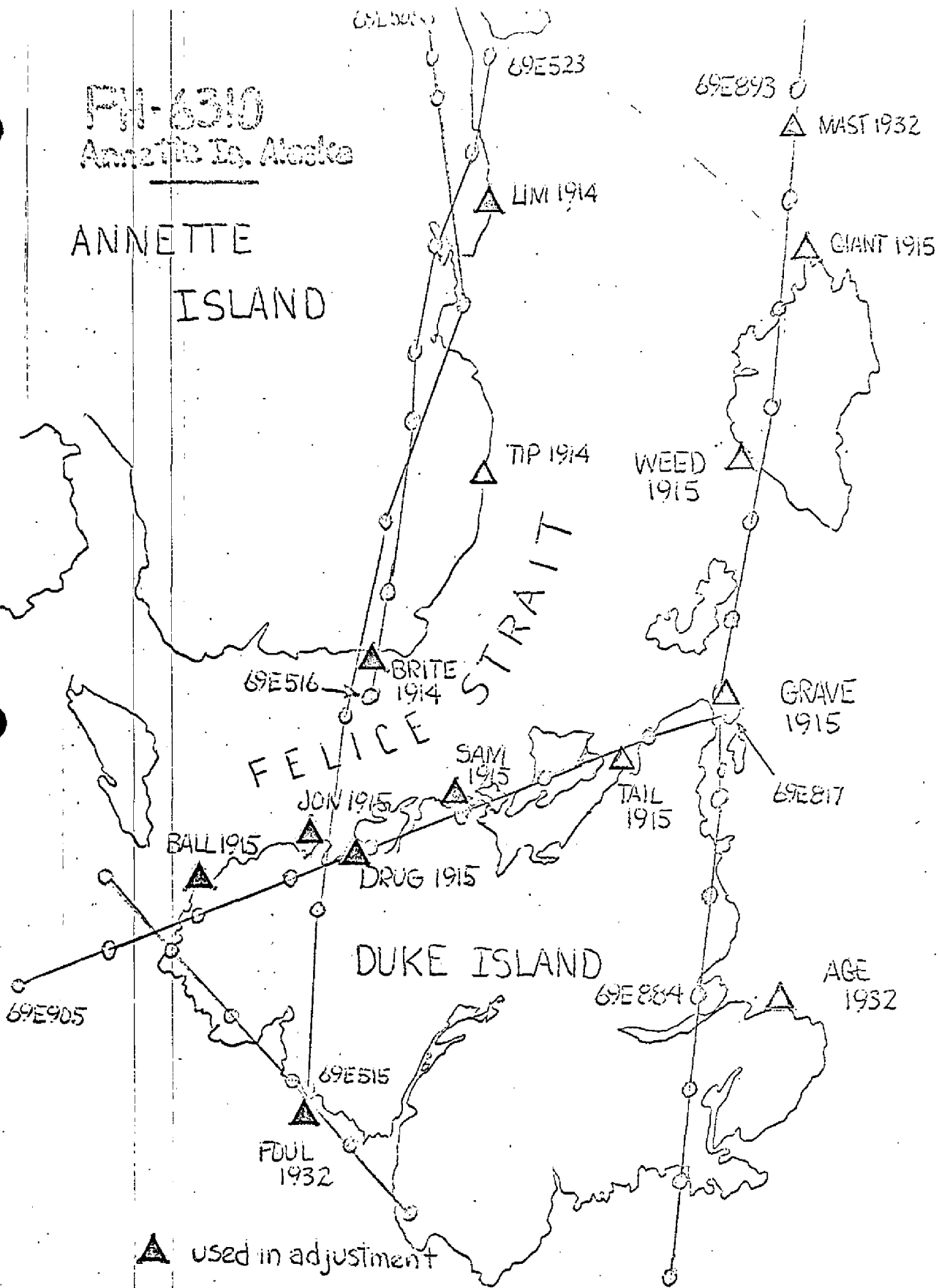


Henry P. Eichert
Chief, Aerotriangulation
Section

PH-6310

Annette Is. Alaska

ANNETTE
ISLAND



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-6310	GEODETTIC DATUM		COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION		REMARKS
			NA 1927	ORIGINATING ACTIVITY		ϕ LATITUDE	λ LONGITUDE	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER						
T-12460								
BON, 1915	Alaska Pg. 1		X=	54 59 33.91			1048.6	806.8
			Y=	131 19 57.55			1023.2	43.6
BOR, 1915	"		X=	54 59 42.475			1313.5	541.9
			Y=	131 14 13.242			235.4	831.3
BOW, 1915	"		X=	54 59 40.557			1254.2	601.2
			Y=	131 18 18.112			322.0	744.7
DOG, 1914	P. 2		X=	54 59 43.204			1336.0	519.4
			Y=	131 19 55.773			991.6	75.1
EX, 1915	"		X=	54 50 10.68			330.3	1525.1
			Y=	131 17 48.94			870.3	196.7
FLAG, 1932	"		X=	54 58 07.467			230.9	1624.5
			Y=	131 14 18.986			337.8	729.7
MUFF, 1915	P. 4		X=	54 59 50.932			1575.0	280.4
			Y=	131 16 41.203			732.5	334.2
RAY, 1932	"		X=	54 56 39.851			1232.3	623.1
			Y=	131 13 54.048			962.1	104.6
TAIL, 1915	P. 5		X=	54 59 40.55			1254.0	601.4
			Y=	131 18 18.11			322.0	744.4
TEL, 1915	"		X=	54 59 10.62			328.4	1527.0
			Y=	131 19 48.12			855.7	211.3
COMPUTED BY L.O. Neterer Jr.		DATE 9-22-70	COMPUTATION CHECKED BY B.L. Barge				DATE 9-22-70	
LISTED BY		DATE	LISTING CHECKED BY				DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY				DATE	

COMPILATION REPORT
T-12460

31 - DELINEATION

The Wild B-8 stereoplotter was used to delineate the shoreline from office interpretation of the photographs taken July 1969 at 12.7 and 13.2 feet stage of tide.

Photography of July 21, 1970, 3.3 and 3.4 feet below MLLW were used for the lower low water line and foreshore. 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 69 E color photographs. The delineation of the mean high water line was difficult at best. Note the logs along the shoreline; they contributed to the difficulty encountered in defining the shoreline.

The foreshore details were compiled from the July 1970 photographs. There was no photograph coverage of the foreshore along the east shore of Duke Island; therefore no low water detail was delineated.

36 - OFFSHORE DETAILS

Offshore details were delineated from office interpretation of photography taken July 1970. There was only partial photographic coverage to the east of the east shore of Duke Island. The part which was covered by photography was under dense to partial cloud cover and only partial detail could be compiled.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

T-12460

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, with minor revisions 1963.

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.

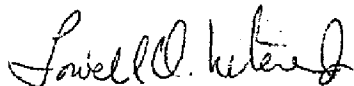
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

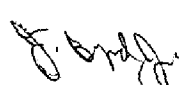
ITEMS TO BE CARRIED FORWARD

None.

Submitted by


Lowell O. Neterer, Jr.
Cartographic Technician
30 September 1970

Approved


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

May 11, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6310 (Alaska)
T-12460

Dog Bay
Dog Island
Duck Islands
Duke Island
Flag Point
Pond Bay
Ray Anchorage
Reef Harbor
Revillagigedo channel

* Double Islands

* Underlined on Quad.

Approved by:

A. Joseph Wright
A. J. Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

REVIEW REPORT
SHORELINE

T-12460

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, with minor revisions 1963.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

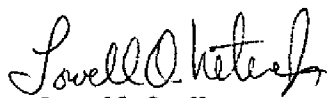
65 - COMPARISON WITH NAUTICAL CHARTS

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

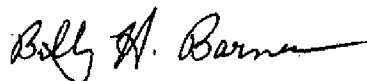
66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by


Lowell O. Neterer, Jr.
Final Reviewer
28 April 1986

Approved for forwarding



Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section,
Rockville

Chief, Photogrammetry Branch,
Rockville

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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 Re-

[illegible]