

T-12449

T-12449

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.

<i>Map No.</i> T-12449	<i>Edition No.</i> 1
<i>Job No.</i> PH-6310	
<i>Map Classification</i> CLASS III FINAL	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> ALASKA	
<i>General Locality</i> FELICE STRAIT	
<i>Locality</i> MARY ISLAND ANCHORAGE	
19 69 TO 1970	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12449
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) (focal length = 152.71 mm) Wild RC-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) 890 thru 892	Jul. 28, 1969	1425	1:30,000	13.4 ft. above MLLW	
70 E(C) 7145 thru 7148	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 photography.

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 photography 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-12445	No Survey	T-12455	No Survey

REMARKS

T-12449

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 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

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 Form 152

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

T-12449

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	Unknown
Partial Low Water Line from July 1970 photography	Dec. 73	Class III Manuscript	None	None
Final Reviewed	Dec 1985	Final Class III Map No field edit performed		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Feb. 14, 1979	One Nonfloating Aid for Charts

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:

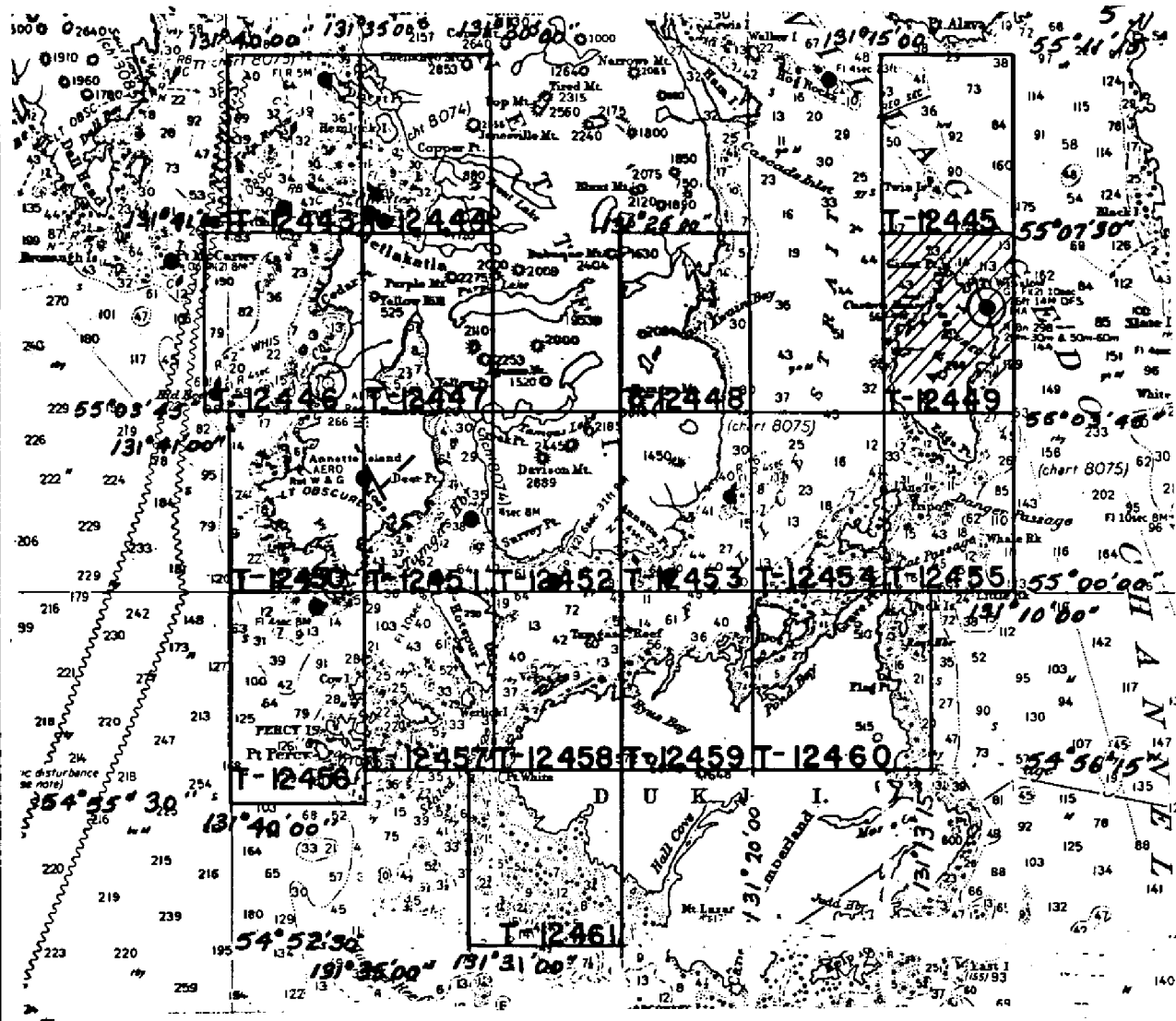
*Some Source data located at Wilkens Ave. Storage Box 13*4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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	

NOAA FORM 76-36D

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092



	SHEET NUMBER	AREA Sq. Mi.	SHEET NUMBER	AREA Sq. Mi.
291	12443	1	12453	3
	12444	5	12454	2
57	12445	1	12455	3
	12446	3	12456	3
	12447	3	12457	6
	12448	3	12458	4
	12449	6	12459	6
	12450	8	12460	8
10 F T / 21	12451	6	12461	3
	12452	2	TOTAL	38
	TOTAL	38		



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

Rev 2/1/10

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12449

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 and July 1970 at 1:20,000 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-12449

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.

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

Robert E. Fisher
Cartographer (Photo)

Approved and Forwarded,

Henry P. Eichert

Henry P. Eichert
Chief, Aerotriangulation
Section

PH-6310
Annette Is. Alaska

ANNETTE
ISLAND

69E5019
69E523

69E893
MAST 1932

▲ LIM 1914

▲ GIANT 1915

▲ TP 1914

WEED
1915

69E516
▲ BRITE
1914

GRAVE
1915

FELICE STRAIT
SAM
1915

▲ TAIL
1915

69E817

▲ BALL 1915

JON 1915

▲ DRUG 1915

DUKE ISLAND

69E905

69E884

AGE
1932

69E515

▲ FOUL
1932

▲ used in adjustment
△ not used in adjustment

COMPILATION REPORT
T-12449

31 - DELINEATION

The Wild B-8 stereoplotter was used to compile this map except:

The area north of latitude 55°06'15" was compiled graphically. The only model in which this area appears (69 E(C) 891-892) could not be set due to the very limited land area distribution. Two identified bridge points which fall along the shoreline (9100 and 92400) and points dropped along the edge of model 69 E(C) 890-891 were used as detail points. No points were cut in because the position of the center of photograph 69 E(C) 892 is too weakly located. (The triangulation station MAST 1932, on the islands to the north, could only be roughly identified, even though paneled.) The weakness of the location of this photo center and the small scale of the ratios prompted the compiler to delineate the area by using the vertical projector.

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 stage of tide of the 1969 panchromatic photographs and the absence of adequate penetration due in part to glare prevented a complete delineation of the foreshore area. A partial low water line was compiled from the 1970 color photographs on the western side of Mary Island. The Mean High Water Line was delineated from office interpretation of the photographs.

36 - OFFSHORE DETAILS

No statement.

37 - LANDMARKS AND AIDS

Appropriate copies of form 76-40 (567) have been forwarded to the Washington office, February 14, 1979.

38 - CONTROL FOR FUTURE SURVEYS

None.

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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

A. L. Shands

A. L. Shands
Cartographer
December 21, 1973

Approved

Albert C. Rauck, Jr.

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

May 11, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6310 (Alaska)
T-12449

Beaver Creek
Customhouse Cove
Felice Strait
Giant Point
Mary Island
Mary Island Anchorage
Point Winslow
Revillagigedo Channel

Approved by:

A. Joseph Wraight
A. J. Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

REVIEW REPORT
SHORELINE

T-12449

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.

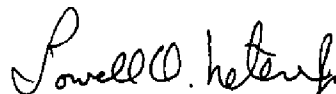
65 - COMPARISON WITH NAUTICAL CHARTS

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 Re-

[illegible]