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.         Edition No.           T~12445         1
Job No.
PH-6310
Map Classification
CLASS IIT FINAL
Type of Survey
SHORELINE
LOCALITY
State
ALASKA
General Locality
FELICE STRAIT
Locality
TWIN ISLANDS
19 69 TO 19
REGISTERED IN ARCHIVES
DATE

DESCRIPTIVE REPORT - DATA RECORD  TYPE OF SURVEY  DESCRIPTIVE MAP CLASS  DESCRIPTION DATE  LAST PRECEEDING MAP PHI - DESCRIPTION TYPE OF SURVEY  DESCRIPTION DESCRIPTION DESCRIPTIONS  DESCRIPTION DES	NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TR12445
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2. VERTICAL:    MEAN LOW-WATER   MEAN LOW-WATER   MEAN LOW-WATER   MEAN LOW-WATER   MEAN LOW-WATER   MEAN SEA LEVEL		OTHER (Specity)	
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<b>NOAA</b> FORM <b>76-36B</b> (3-72)			NATIONAL OCE		ATMOSPHERIC	NT OF COMMERC ADMINISTRATION LOCEAN SURVE			
	COI	T-12445 MPILATION	SOURCES			E OUENI SURVE			
. COMPILATION PHOTOGRAPHY		_ <del></del>							
Camera(s) Wild RC-8 "E" (focal ]	ength=152.71π		F PHOTOGRAPHY LEGEND		TIME REFERENCE				
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3. SOURCE OF MEAN LOW-WATER	OR MEAN LOWER L	OW-WATER LIN	E:						
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REMARKS									

10AA FORM 76_36C 3-72)	T-12445 History of Field		NIC AND ATMOSPH	TMENT OF COMMER ERIC ADMINISTRAT IONAL OCEAN SURV
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	RECOVERED BY	NA SPILI	man	July 2343
VERTICAL CONTROL	ESTABLISHED BY	NA.		
	PRE-MARKED OR IDENTIFIED BY	NA NA		
· · · · · · · · · · · · · · · · · · ·	RECOVERED (Triangulation Stations) BY	None		
LANDMARKS AND	LOCATED (Field Methods) BY	None		
AIDS TO NAVIGATION	IDENTIFIED BY	None		
	TYPE OF INVESTIGATION	110110		• • • •
GEOGRAPHIC NAMES	COMPLETE			
INVESTIGATION	SPECIFIC NAMES ONLY			
	▼ NO INVESTIGATION			
PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None		
BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA		
SOURCE DATA				
HORIZONTAL CONTROL	DENTIFIED	2. VERTICAL CO	NTROL IDENTIFIED	)
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NOAA FORM 76-36D (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

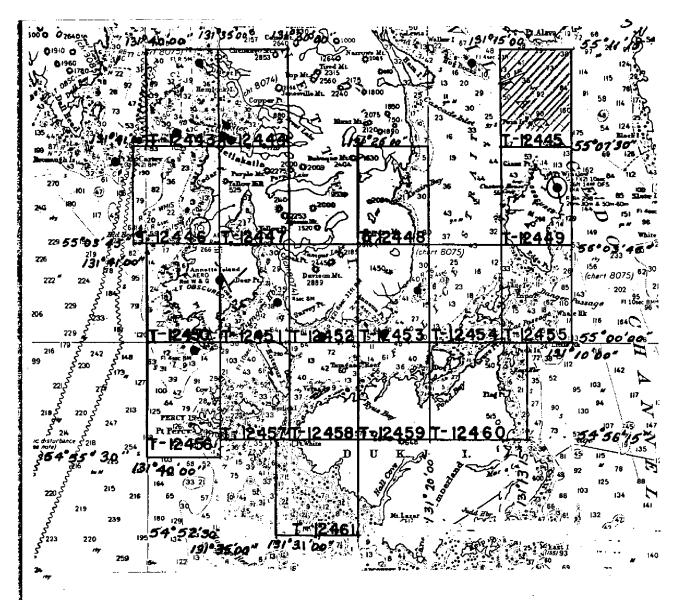
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JOB PH-6310

SHORELINE MAPPING ANNETTE ISLAND, ALASKA

Row alanka

SCALE 1:10,000



#### SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-12445

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

This project encompasses Annette Island, Alaska, from Revillagigedo 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 the identification of horizontal control for bridging.

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

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

Compilation was performed at the Atlantic Marine Center in October 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 1985.

This Descriptive Report contains all pertinent information 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-12445

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 stereoplanigraphs 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.

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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 bridged.

# 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

NOAA FORM 76-41 (6-75)		DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	DEPARTMENT OF	F COMMERCE
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	1	Coastal Mapping
T-12445	PH-6310	10		Division, AMC,	No	VA
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	0 B Wel		Χ=	φ 55 08 29 <b>.</b> 949	926.1	929.4
NORTH TWIN, 1914			η≠=	λ 131 13 07.609	134.8	928.0
1	1		=x	φ 55 08 19.946	616.8	1238.7
SOUTH TWIN, 1915	I p. 48		y=	λ 131 12 43.961	778.8	284.1
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COMPUTED BY		DATE 9/15/70	COMPUTATION CHECKED BY L.	O. Neterer, Jr.	DATE 9/15/70	70
LISTED BY A. L. Shands		DATE	LISTING CHECKED BY		DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE	
		SUPERSEDES N	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	H IS OBSOLETE.		

#### COMPILATION REPORT

#### T-12445

#### 31 - DELINEATION

The manuscript was compiled graphically. The land mass was much too small to orient the model.

There was no field inspection prior to compilation.

The photos, excellent in the contact scale, lacked definition in the high ratio enlargements.

#### 32 - CONTROL

The station MAST, 1932, the panel sketched on Form 152, is very weakly identified. The station was not used in the photogrammetric bridge. No mention was made of it in the Photogrammetric Plot Report, dated December, 1969. Of the two other stations on this manuscript, NORTH TWIN 1919 and SOUTH TWIN, 1915, the latter was very, very approximately identified from the description (Book 3, page 9). In summary: there was not one dependable point on the manuscript.

#### 33 - SUPPLEMENTAL DATA

None.

#### 34 - CONTOURS AND DRAINAGE

Contours are inapplicable.

No drainage was delineated.

# 35 - SHORELINE AND ALONGSHORE DETAILS

MHWL was delineated from office interpretation of the photographs, but is probably sub-standard (See Item 32 and 40).

#### 36 - OFFSHORE DETAILS

None.

#### 37- LANDMARKS AND AIDS

None.

#### T-12445

#### 38 - CONTROL FOR FUTURE SURVEYS

None.

#### 39 - JUNCTIONS

Junction was made with T-12449 to the south. There is no contemporary survey to the north, east or west.

#### 40 - HORIZONTAL AND VERTICAL ACCURACY

The accuracy of this manuscript does not comply with the National Standards of Map Accuracy. The geographic location of Twin Islands could be as much as 40 meters in error. See Item 32.

# 46 - COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle KETCHIKAN (A-4), ALASKA, scale 1:63,360, dated 1955.

# 47 - COMPARISON WITH NAUTICAL CHARTS

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

#### ITEMS TO BE CARRIED FORWARD

None.

#### ITEMS TO BE CARRIED FORWARD

None.

Submitted by

A. L. Shands Cartographer

September 29, 1970

Approved and forwarded

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

May 11, 1970

GEOGRAPHIC NAMES .

FINAL NAME SHEET PH-6310 (Alaska) T-12445

Felice Strait Revillagigedo channel Twin Islands

Approved by:

/ Wraight

A. J. Wreight Chief Geographer

Prepared by:

Frank W. Pickett Cartographic Technician

#### REVIEW REPORT SHORELINE T-12445

#### 61 - GENERAL STATEMENT

See Summary included with this report.

### 62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEY

Not applicable.

#### 63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the U.S.G.S quadrangle: Ketchikan (A-4), Alaska, dated 1955, scale 1:63,360.

#### 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 NOS chart 17434, 9th edition dated February 14, 1981, scale 1:80,000.

### 66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

Due to insufficient horizontal control to compile the Mean High Water Line, this map does not meet the requirements for National Standards of Map Accuracy.

Submitted by

Lowell O. Neterer,

Final Reviewer

Approved for forwarding

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch, Rockville

ACTIVITY PARTY	(RTY TIVITY	OL & REVIEW GRP.	nsible personnel)		CHARTS	AFFECTED															
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	FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey meth
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B. Photogrammetric field positions** require	ND LOCATED OBJECTS	OFFICE IDENTIFIED AND LOCATED OBJECTS
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NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 75-40 (2-71) WHICH IS OBSOLETE, AND Existing stock should be destroyed upon receipt of revision.

☆ U.S.GPO:1975-0-865-080/1155

FORM	CAUP-0134
49-19-6	44

#### **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-

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