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-12455
Job No.
РН-6310
Map Classification
CLASS III FINAL
Type of Survey SHORELINE
LOCALITY
State
ALASKA
General Locality
FELICE STRAIT
Locality
DANGER PASSAGE
19 69 TO 19 70
REGISTERED IN ARCHIVES
DATE

NOAA FORM 76-36A (3-72) NATIONAL OCEANIC AND AT	NT OF COMMERCE	TYPE OF SURVEY	SURVEY ##. T-12455
		🖰 ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA R	ECORD	RESURVEY	MAP CLASS III Final
		REVISED	јов Р Н. <u>6310</u>
PHOTOGRAMMETRIC OFFICE		- IAST DOECEEN	NG MAP EDITION
Coastal Mapping Division.	•	TYPE OF SURVEY	JOB PH
AMC, Norfolk, VA		ORIGINAL ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE		RESURVEY	SURVEY DATES:
Jeffrey G. Carlen		REVISED	19TO 19
I. INSTRUCTIONS DATED	······································		
1. OFFICE		2.	FIELD
Office Aug. 13, Aerotriangulation Sept. 26 Office May 25, Office Supplement I Oct. 16, Office Supplement I Nov. 6,	, 1969 1970 1970	Premarking	May 12, 1969
II. DATUMS 1. HORIZONTAL: XX 1927 NORTH	AMERIÇ AN	OTHER (Specify)	
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3. MAP PROJECTION			RID(S)
Polyconic		Alaska	ZONE
5. SCALE 1:10,000		STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Stereoplanigraph LANDMA	BY RKS AND AIDS BY	R. E. Fisher	Dec 1969
2, CONTROL AND BRIDGE POINTS	PLOTTED BY	L. O. Neterer, Jr.	Aug 1970
METHOD: Coradomat, Manual	CHECKED BY	F. P. Margiotta	Aug 1970
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	A. L. Shands	Aug 1970
COMPILATION	CHECKED BY	L. O. Neterer, Jr.	Aug 1970
INSTRUMENT: Wild B-8 SCALE: 1:10,000	CONTOURS BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	L. L. Graves	Sept 1970
-	CHECKED BY	R. J. Pate	Jan 1971
метнор: Smooth drafted	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
SCALE: 1:10,000	PPORT DATA BY	L. L. Graves	Sept 1970
S. OFFICE INSPECTION PRIOR TO FIELD EDIT	CHECKED BY	R. J. Pate R. J. Pate	<u>Jan 1971</u> Jan 1971
	вү	N.A.	Jan 1971
6. APPLICATION OF FIELD EDIT DATA	CHECKED BY	N.A.	
7. COMPILATION SECTION REVIEW Class II		R. J. Pate	Jan <u>1971</u>
8. FINAL REVIEW Class III		L.O. Neterer, Jr.	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BR 10, DATA EXAMINED IN PHOTOGRAMMETRIC BRAN		L. O. Neterer, Jr.	
11. MAP REGISTERED - COASTAL SURVEY SECTION		PLOCAL DE +	AUG- 86
	M C&GS 181 SERIES	13	1 77-00 70

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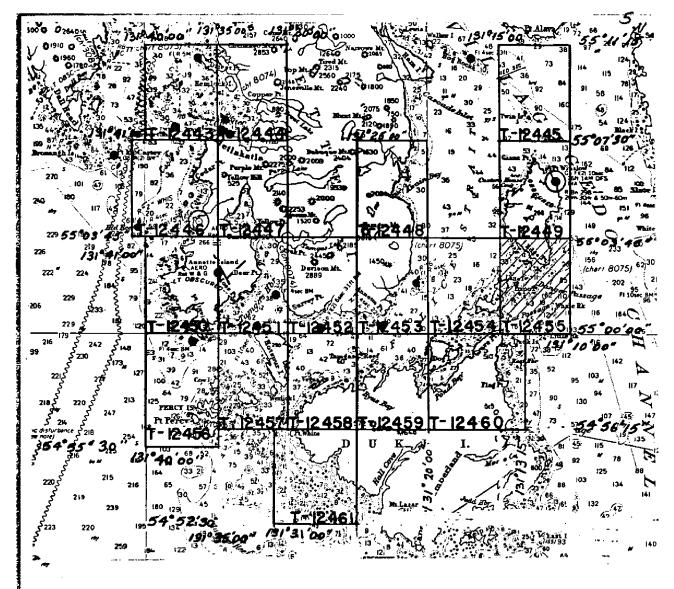
NOAA FORM 76-36B (3-72)	-	т-124	NATIONAL OCE	U. S. DI ANIC AND ATM	OSPHERIC AL	OF COMMERCE DMINISTRATION OCEAN SURVEY
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70E(C)7141_thru:714	3 Jul.21,1970	0928	1:20,000	3.4 ft	. below	MLLW
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2. SOURCE OF MEAN HIGH-WA	TER LINE:					
above.						
3. SOURCE OF MEAN LOW-WA	TER OR MEAN LOWER L	OW-WATER LIN	IE:			
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4. CONTEMPORARY HYDROGE	·- <u>-</u>				<u> </u>	<u> </u>
SURVEY NUMBER DATE(S)	SURVEY CO	PY USED S	URVEY NUMBER	DATE(S)	SURVEY	COPY USED
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REMARKS						

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OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) 2 - Forms 152	

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

RECORD OF SURVEY USE

I. MANUSCE	RIPT COPIES								
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D	ATA COMPILED	D	ATE	REN	MARKS		MARINE CHART	S HYDRO SI	PPORT
Compila	ation Complete	Jan.	1974	Class III	Manuscr	ipt	None	Jan.	1971
Final E	Review	Jan.	1986	Final Cla					
	RKS AND AIDS TO NAVIGA		MAUTICAL	DATA BRANCH					
NUMBER	CHART LETTER NUMBER ASSIGNED	D	ATE VARDED	DATA DIVANCI		REM	ARKS		
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3. 🖅	SOURCE DATA (except for a	Geographi NS:	c Names R	eport) AS LISTED I	N SECTION II	, NOAA	FORM 76-36C.		
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		TOTAL	38~		50

JOB PH-6310

SHORELINE MAPPING ANNETTE ISLAND, ALASKA

SCALE 1:10,000

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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-12455

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.

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

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

Compilation was performed at the Atlantic Marine Center in January 1971.

Final Review was performed at the Atlantic Marine Center in January 1986.

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-12455

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.

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

NOAA FORM 76-41 (6-75)		DESCRIPTIVE	E REPORT CONTROL RECORD	L	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		CODETIC DA	ORIGINATING ACTIVITY Coastal	VITY Coastal Mapping
T-12455	PH-6310		N.A. 1927	Division, AMC	-
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	POSITION	
STATION NAME	INFORMATION (Index)	POINT	STATE ALGENG ZONE 1	φ LATITUBE λ LONGITUBE	REMARKS
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	G.P. Vol 1		-χ	φ 55 01 33.984	
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	G. P. Vol 1		-χ	φ 55 00 11.820	
GRAVE 1915	077		i fi	λ 131 14 33.853	
	G P Vol 1		<i>-</i> χ	φ 55 02 13.236	
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NOAA FORM 76-41					U.S. DEPARTMENT OF COMMERCE	PEPARTMENT OF C	OMMERCE
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MAPNO.	JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY COASTAL		Mapping
T-12455	PH-631	0	N.A. 1927	<u>—</u>	Division, AMC,	Norfolk,	
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HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY			DATE	
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	TH IS OBSOLETE.			

COMPILATION REPORT T-12455

31 - DELINEATION

The Wild B-8 stereoplotter was used with photographs of July 1969 to delineate the mean high water line. There was adequate aerial coverage of the high water photographs.

Photographs taken July 1970 were used to delineate a partial low water line. There was no photo coverage north of latitude 52°02'30" in a westerly diagonal to latitude 55°01'45". The photography was of good quality.

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

The mean high water line was delineated from office interpretation of the 1969 photographs.

The foreshore details were delineated from office interpretation of the 1970 photographs. The aerial coverage was adequate to cover the full limits of the manuscript. See item 31.

36 - OFFSHORE DETAILS

Offshore details were delineated (to the extent of coverage) from the low water photographs.

37 - LANDMARKS AND AIDS

None,

38 - CONTROL FOR FUTURE SURVEYS

None.

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 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

Lawrence L. Graves

Cartographic Technician

12 January 1971

Approved

'Albert C. Raugk, Jr.

Chief, Coast#1 Mapping Section

May 11, 1970

GEOGRAPHIC NAMES .

FINAL NAME SHEET

PH-6310 (Alaska) T-12455

Bird Island
Cat Island
Cat Passage
Danger Island
Danger Passage
Duke Island
Edge Point
Celice Strait
Fripo Island
Grave Point
Lane Island
Little Rock
Mary Island
Revillagigedo Channel
Whale Rock

Approved by:

(A. Joseph Waight

A. J. Wraight

Chief Geographer

Prepared by:

Frank W. Pickett

Cartographic Technician

REVIEW REPORT SHORELINE

T-12455

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-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 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 15 January 1986

Approved for forwarding

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch, Rockville

FORM	CEUPHA
12-29-6	a)

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.	 	 	
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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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