

TP-00284

TP-00284

NOAA FORM 76-35 (6-80) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT This Map Will Not Be Field Edited	
Map No. TP-00284	Edition No. One
Job No. PH-7017	
Map Classification Final Class III	
Type of Survey Shoreline	
LOCALITY	
State Alaska	
General Locality Afognak and Kodiak Islands	
Locality Mouth of Big Bay	
1971 TO 19	
REGISTERED IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT

TP-00284

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TYPE OF SURVEY

SURVEY TP-00284

DESCRIPTIVE REPORT - DATA RECORD

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

MAP EDITION NO. (1)
Final
MAP CLASS Class III
JOB PH-7017

PHOTOGRAMMETRIC OFFICE

Atlantic Marine Center
Norfolk, Virginia

OFFICER-IN-CHARGE

Jeffrey G. Carlen, Cdr., NOAA

LAST PRECEDING MAP EDITION

- TYPE OF SURVEY
☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH-
MAP CLASS
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation Instr. Nov. 19, 1971
Office Instr. Apr. 17, 1972
Office Instr., Supplement 1 May 11, 1973
Office Instr., Amendment 1 Not Dated

2. FIELD

Field Support Instr. May 03, 1971

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:

- ☒ MEAN HIGH-WATER
☒ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE Alaska

ZONE 5

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D. Norman	Mar. 1972
METHOD: Analytic	LANDMARKS AND AIDS BY	H. Eichert	
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	D. Phillips	Apr. 1972
METHOD: Coradomat	CHECKED BY	H. Eichert	Apr. 1972
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	R. White	Apr. 1972
COMPILATION	CHECKED BY	L. Neterer	Apr. 1972
INSTRUMENT: Wild B-8 Stereoplotter	CONTOURS BY	N/A	
SCALE: 1:10,000	CHECKED BY	N/A	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. White	Apr. 1972
	CHECKED BY	R. Pate	Apr. 1972
METHOD: Smooth Drafted	CONTOURS BY	N/A	
	CHECKED BY	N/A	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	R. White	Apr. 1972
	CHECKED BY	R. Pate	Apr. 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R. Pate	Apr. 1972
6. APPLICATION OF FIELD EDIT DATA	BY	N/A	
	CHECKED BY	N/A	
7. COMPILATION SECTION REVIEW	BY	D. Butler	Nov. 1985
8. FINAL REVIEW	BY	J. Massey	Oct. 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. L. DAUGHERTY	JUN '87

TP-00284
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R. C. 8 "E" (152.7mm F.L.)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Alaska	☒ STANDARD
				MERIDIAN 150 W.	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71E(C)6278 & 6279	Jul 5/ 71	14:14	1:30,000	9.0 ft. above MLLW	

REMARKS Tide levels were calculated for Big Bay, Shuyak Island subordinate station using Seldovia as the reference station. Mean High Water is 13.10 feet above Mean Lower Low Water.

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water Line was compiled on a Wild B-8 stereoplotter using the color photographs listed above.

3. SOURCE OF [REDACTED] MEAN LOWER LOW-WATER LINE:

No Mean Lower Low Water Line was compiled.

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	TP-00285	TP-00287	No Survey

REMARKS

NOAA FORM 76-36C
(3-72)

TP-00284

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

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD OPERATION (premarking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Lanier	June 1971
2. HORIZONTAL CONTROL	RECOVERED BY: None ESTABLISHED BY: None PRE-MARKED OR IDENTIFIED BY: None	
3. VERTICAL CONTROL	RECOVERED BY: N.A. ESTABLISHED BY: N.A. PRE-MARKED OR IDENTIFIED BY: N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY: None LOCATED (Field Methods) BY: None IDENTIFIED BY: None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ 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 (and paneled)

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)

None

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00284
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Manuscript Complete	April 1972	Class III	May 19, 1972	May 8, 1972

II. LANDMARKS AND AIDS TO NAVIGATION

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: None

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:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: 6/3/87

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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

JOB PH-7017

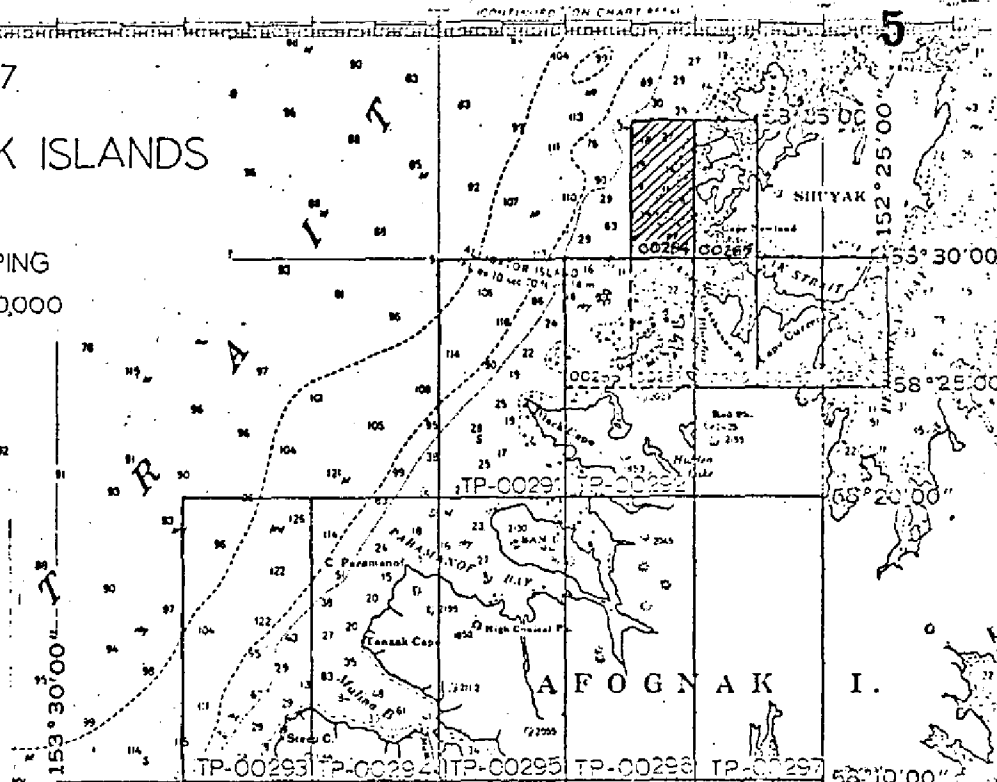
AFOGNAK & KODIAK ISLANDS ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

Official Allotment for Cost Accounts

Sheet No.	Sq. Miles		
TP-02284	3		
TP-02285	8	TP-02302	10
TP-02286	4	TP-02303	12
TP-02287	5	TP-02304	3
TP-02288	6	TP-02305	5
TP-02289	6	TP-02306	4
TP-02290	5	TP-02307	11
TP-02291	7	TP-02308	21
TP-02292	14	TP-02309	19
TP-02293	4	TP-02310	13
TP-02294	12	TP-02311	18
TP-02295	9	TP-02312	9



SUMMARY

Project PH-7017, Afognak and Kodiak Islands, Alaska, consists of 33 maps. Seven, TP-00284 through TP-00290, are at 1:10,000 scale and 26, TP-00291 through TP-00316, are at 1:20,000 scale. The project area is the northwestern coast line of Kodiak and Afognak Islands and their interface with Shelikof Strait. The project extends from Big Bay in the northeast to Cape Ugat in the southwest. The photogrammetric survey depicts the shoreline and other cartographic features of mapping interest in the coastal areas and navigable waterways bisecting the islands.

The purpose of the project was to provide shoreline data for maintenance of the Nautical Charting Program and in support of hydrographic survey operations planned for the area.

Field operations consisted of recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. No field inspection was conducted for this project. Panchromatic photographs required for aerotriangulation of the entire project area and subsequent compilation of the 1:20,000-scale maps were obtained with the RC-9 "M" camera at 1:60,000 scale. Supplemental color photographs at 1:20,000 scale were acquired for those areas to be mapped at 1:20,000 scale using the RC-8 "E" camera. Areas to be mapped at 1:10,000 scale were covered by 1:30,000-scale color compilation photographs also obtained with the RC-8 "E" camera. The 1:30,000-scale compilation photographs were controlled by aerotriangulated points derived from the 1:60,000-scale panchromatic photographs. All calculations pertaining to the vertical relationship of the photographs to the datums, mean lower low water and mean high water, were derived from predicted tidal information.

A field edit was performed by personnel of the Pacific Marine Center's hydrographic survey vessels, while conducting hydrographic survey operations in selected areas. These field edits, occurring over four field seasons, were limited to the boundaries of the hydrographic surveys, thereby creating numerous partially field edited maps. Field edits occurred during the 1972, 1973, 1977, and 1981 field seasons.

The aerotriangulation of the project was divided into two phases (Part I and II), in order to expedite the delivery of photogrammetric map data in support of hydrographic survey operations. Eighteen strips of photographs were bridged using analytic aerotriangulation methods. Horizontal control used was field identified (premarked). Vertical control was taken from U. S. Geological Survey quadrangles. Aerotriangulated control proved adequate and meets the requirements of the National Standards of Map Accuracy.

Compilation was performed in the Coastal Mapping Section, Atlantic Marine Center, Norfolk, Virginia. Delineation was accomplished using a Wild B-8 stereoplotter through application of standard shoreline mapping techniques. This was supplemented by graphic compilation techniques in selected areas. Delineation was based on an office interpretation of the 1:60,000 scale panchromatic, and 1:20,000- and 1:30,000-scale natural color, photographs. All line work on the base maps was smooth drafted. In areas where the stage of tide for individual photographs, based on predictions, was determined to be within the required 1 foot of the vertical datum mean lower low water, the approximate datum was delineated on the map using graphic compilation techniques.

Final review was performed in the Coastal Mapping Unit, Rockville Maryland, office. The base maps and associated data of this project meet the requirements of the National Standards of Map Accuracy. The base maps and reports comply with the project instructions.

The Descriptive Reports prepared for each map contain all the information pertaining to the completion of each map.

FIELD INSPECTION

TP-00284

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

PHOTOGRAMMETRIC PLOT REPORT
Afognak Island, Alaska Part I
Job PH-707117
March 1972

21. Area Covered

This report pertains to 13 sheets on Afognak Island. The sheets are TP-00284 thru TP-00290 at 1:10,000 scale and TP-00291 thru TP-00296 at 1:20,000 scale. The area covered is the northwest shoreline of Afognak Island.

22. Method

Eight strips of photography were bridged by analytic aerotriangulation methods and adjusted to ground on the Alaska state plane coordinate system, zone 5. Strips 1 and 2 of 1:60,000 scale photography were adjusted as a block and used to control the six strips of 1:30,000 scale photography.

23. Adequacy of Control

The horizontal control is sparse in both strips of 1:60,000 scale photography. However the project should still meet the map accuracy standards.

24. Supplemental Data

Vertical control was taken from USGS topographic quadrangles.

25. Photography

The photography was adequate.

Respectfully submitted:

Don O. Norman

Don O. Norman
Cartographer

Approved and forwarded:

Henry P. Eichert
Henry P. Eichert, Chief
Aerotriangulation Section

Afognak Island, Alaska

Fit to Control
(x, y) feet

Strips 1 & 2 (block adjustment)

1	BANKS, 1907	(+0.1, +0.1)
2	BEN, 1926 subpoint	(-0.5, -0.5)
3	BLUE, 1926	(0.0, +0.4)
4	TIE, 1941 subpoint	(-0.2, -0.4)
5	NUN, 1941	(+0.1, +0.3)
6	BAY COVE POINT, 1907	(+0.5, +0.1)
7	DOLPHIN POINT LT., 1941	(-6.0, +5.2)
8	RASPBERRY STRAIT LT., 1941	(+4.9, -3.4)

Strip 3

76801	(+3.8, -3.1)
76802	(0.0, 0.0)
77801	(+2.7, +2.7)
77802	(0.0, 0.0)
79801	(0.0, 0.0)
79802	(+1.5, +4.5)

Strip 4

33801	(+10.9, -10.9)
34801	(0.0, 0.0)
35801	(0.0, 0.0)
36801	(-2.3, -0.6)
38801	(0.0, 0.0)
38802	(-6.9, +2.6)

Strip 5

18801	(0.0, 0.0)
19801	(-1.3, -0.2)
BEN, 1926 subpoint	(0.0, 0.0)
22801	(+5.4, +1.1)
23801	(+2.2, +0.1)

Strip 6

22801	(0.0, 0.0)
45801	(-4.8, -4.4)
BLUE, 1926	(-4.0, +0.2)
47801	(0.0, 0.0)

Strip 7

90801	(0.0, 0.0)
91801	(+2.3, -0.9)
92801	(0.0, 0.0)
92802	(-1.1, -0.7)

Strip 8

82801	(-2.2, +0.6)
82802	(0.0, 0.0)
84801	(0.0, 0.0)
85801	(-10.7, +4.6)
85802	(0.0, 0.0)

Compilation Report

TP-00284

31. DELINEATION

Delineation was accomplished using the Wild B-8 and color photography. The photography was adequate.

32. CONTROL

See Photogrammetric Plot Report dated March, 1972.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. There was no drainage to compile.

35. SHORELINE AND ALONGSHORE DETAIL

Because the stage of tide of the photographs is near mean high water, only the mean high water line, bare rocks, and those rocks believed to be awash at or near mean high water were shown.

36. OFFSHORE DETAIL

None.

37. LANDMARKS AND AIDS TO NAVIGATION

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

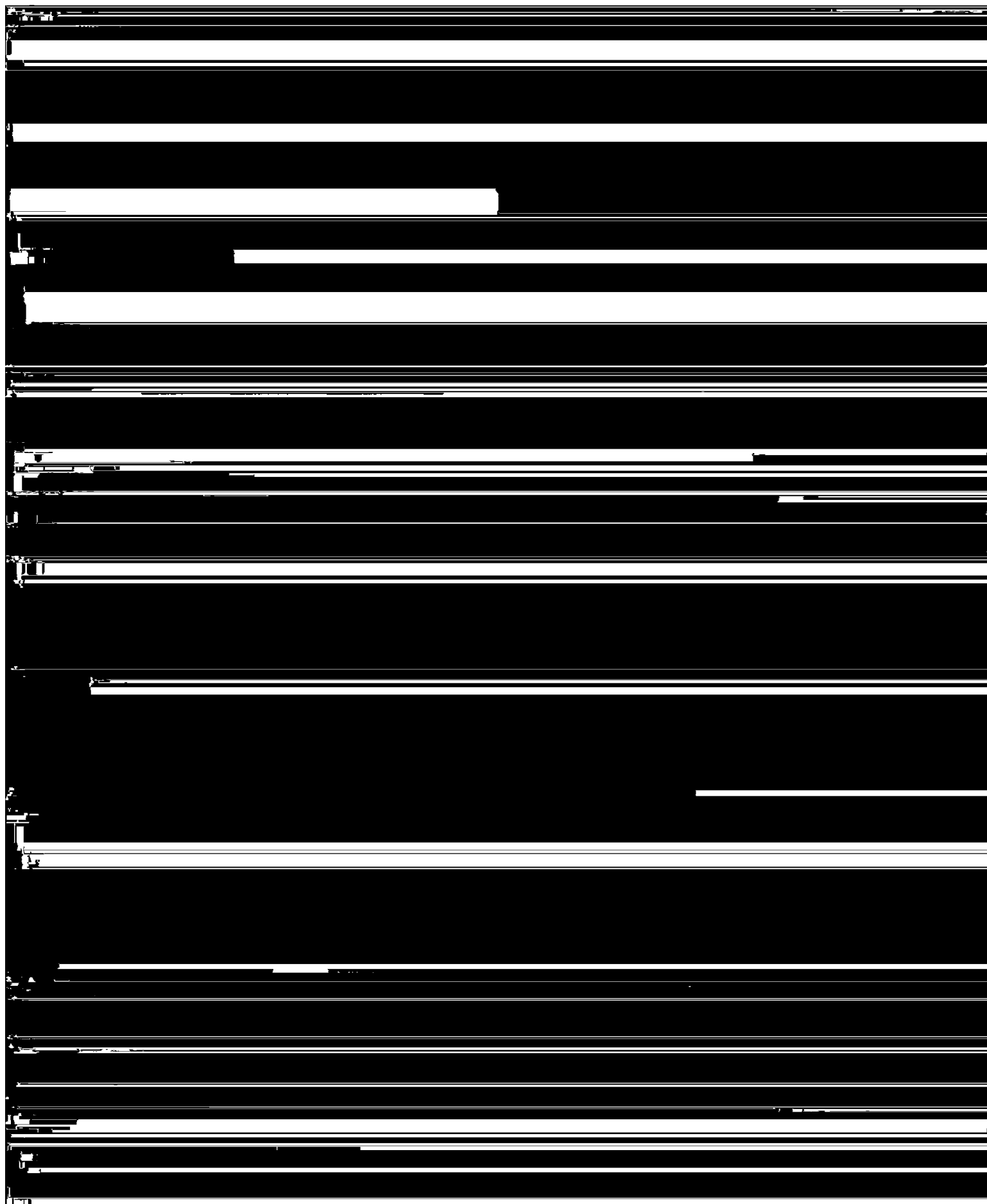
Junctions are in agreement with TP-00285 to the east, TP-00287, scale 1:10,000 and TP-00292, scale 1:20,000 to the south. There is no contemporary survey to either the west or north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. quadrangle AFOGNAK (C-2 and C-3) ALASKA, scale 1:63,360 dated 1954.



Review Report
TP-00284

61. General Statement

Refer to the summary bound with this Descriptive Report for an overview of the photogrammetric operations related to the production of this map and associated data.

62. Comparison with Registered Topographic Surveys

Comparison with registered topographic surveys was not a requirement for this project.



66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and the requirements specified in the project instructions.

67. Delineation

Delineation was accomplished using a Wild B-8 stereoplotter through application of standard mapping techniques. This was supplemented by an office interpretation and graphic application of the ratioed, 1:30,000-scale natural color photographs.

Submitted by,

D. Butler
Office Reviewer

James W. Massey
Final Reviewer

Approved by,

Ivey O. Baborn
Acting Chief, Photogrammetric Production Section

A. V. Bryan CDR, NOAA
Chief, Photogrammetry Branch

December 13, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7017 (Alaska)

TP-00284

~~Eagle Cape~~ *gum*~~Green Island~~ *gum*

Shelikof Strait

~~Shuyak Island~~ *gum*

Approved by:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

INDEX TO PROJECT DATA AND MATERIAL ON FILE

PH-7017

AFOGNAK AND KODIAK ISLANDS, ALASKA

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

1 of 3: - Project Map Diagram/Photogrammetric Flight
Line Layout

- * - 1 Paper & 2 Film Ozalids, TP-00286
- * - 1 Paper & 2 Film Ozalids, TP-00287
- * - 1 Paper & 2 Film Ozalids, TP-00288
- * - 1 Paper & 1 Film Ozalid, TP-00289
- * - 1 Paper & 1 Film Ozalid, TP-00290
- * - 1 Paper Ozalid, TP-00291

- * - 1 Paper Ozalid, TP-00292
- * - 1 Film Ozalid, TP-00293
- * - 1 Paper & 1 Film Ozalid, TP-00294
- * - 1 Paper & 1 Film Ozalid, TP-00295
- * - 1 Paper Ozalid, TP-00296
- * - 1 Film Ozalid, TP-00297
- * - 1 Paper & 1 Film Ozalid, TP-00301
- * - 1 Film Ozalid, TP-00303
- * - 1 Film Ozalid, TP-00310
- * - 1 Film Ozalid, TP-00311

- 2 of 3:
- Binder of Aerotriangulation Printouts
 - Binder Descriptive Report Control Records
C&GS Form 164
 - Binder of Photographic Flight Report
ESSA Form 76-15
 - Binder of Control Station Identification
Cards, C&GS Form 152
 - * - Binder of Computed Tide Curve Graphs &
Stage of Tide Computations for Photographic
and Field Edit Data
 - * - Binder of Pacific Marine Center generated
Computer Addendum to Horizontal Control
Reports
 - * - Binder Tide Data and Zoning Information
 - Bridging Photographs and Film Positives

PHOTOGRAPHS 9X9 FORMAT

- * - NOS 3 Aug. 71 E (C) 7352 thru 7355
- * - NOS 3 Aug. 71 E (C) 7269, 7270, 7272, 7294, 7295
- * - NOS 10 Jul. 71 E (C) 6708 thru 6710, 6726 thru 6730, 6734, 6736, 6738, 6739, 6741 thru 6743
- * - NOS 10 Jul. 71 E (C) 6642, 6645, 6646, 6648, 6649, 6668
- * - NOS 6 Jul. 71 E (C) 6362 thru 6370
- * - NOS 5 Jul. 71 E (C) 6217 thru 6226
- * - NOS 4 Jul. 71 E (C) 6113
- * - NOS 5 Jul. 71 E (C) 6141, 6151, 6152
- * - NOS 4 Jul. 71 E (C) 6044 thru 6047, 6049, 6050, 6076 thru 6078, 6081, 6091 thru 6094
- * - NOS 4 Jul. 71 E (C) 5995, 5996

PHOTOGRAPH SEGMENTS

- * - NOS 4 Jul. 71 M (P) 220
- * - NOS 4 Jul. 71 M (P) 221
- * - NOS 4 Jul. 71 M (P) 222
- * - NOS 4 Jul. 71 M (P) 225, Parts A,B,C
- * - NOS 3 AUG. 71 M (P) 319
- * - NOS 3 Aug. 71 M (P) 320
- * - NOS 3 Aug. 71 M (P) 322
- * - NOS 3 Aug. 71 M (P) 323
- * - NOS 3 Aug. 71 M (P) 324, Parts A,B
- * - NOS 3 Aug. 71 M (P) 325
- * - NOS 3 Aug. 71 M (P) 326, Parts A,B
- * - NOS 5 Jul. 71 E (C) 6246
- * - NOS 5 Jul. 71 E (C) 6247
- * - NOS 6 Jul. 71 E (C) 6282
- * - NOS 6 Jul. 71 E (C) 6281
- * - NOS 6 Jul. 71 E (C) 6283
- * - NOS 6 Jul. 71 E (C) 6284
- * - NOS 6 Jul. 71 E (C) 6290
- * - NOS 6 Jul. 71 E (C) 6291
- * - NOS 6 Jul. 71 E (C) 6318
- * - NOS 6 Jul. 71 E (C) 6321
- * - NOS 6 Jul. 71 E (C) 6323
- * - NOS 6 Jul. 71 E (C) 6333
- * - NOS 6 Jul. 71 E (C) 6334
- * - NOS 6 Jul. 71 E (C) 6335

PROJECT COMPLETION REPORT

AGENCY ARCHIVES

Registration Copy of the Map
Descriptive Report of the Map

PHOTOGRAMMETRIC ELECTRONIC DATA LIBRARY

There is no digital data for this project .

REPRODUCTION BRANCH

8X Reduction Negative of Map

OFFICE OF THE STAFF GEOGRAPHER

Geographic Names Standard

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-00284

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.

2. In "Remarks" column space out words that do not apply