

TP-00301

TP-00301

NOAA FORM 76-35
(6-80)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Partially Field Edited Map

Map No. TP-00301	Edition No. One
Job No. PH-7017	
Map Classification Final Class III (Partially Field Edited Map)	
Type of Survey Shoreline	
LOCALITY	
State Alaska	
General Locality Afognak and Kodiak Islands	
Locality Yukuk Bay	
19 ₇₁ TO 19	
REGISTERED IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT

TP-00301

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DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP-00301

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
AlaskaZONE
5

5. SCALE

1:20,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY LANDMARKS AND AIDS BY	R. B. Kelly	May 1973
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY CHECKED BY	Allen	May 1973
3. STEREOSCOPIC INSTRUMENT COMPILATION Wild B-8 Stereoplotter	PLANIMETRY BY CHECKED BY	C. E. Blood R. R. White	June 1973 June 1973
INSTRUMENT: SCALE: 1:20,000	CONTOURS BY CHECKED BY	N/A N/A	
4. MANUSCRIPT DELINEATION METHOD: Smooth Drafted	PLANIMETRY BY CHECKED BY	C. Parker S. Kumer	Aug. 1973 Aug. 1973
SCALE: 1:20,000	CONTOURS BY CHECKED BY	N/A N/A	
	HYDRO SUPPORT DATA BY CHECKED BY	C. Parker S. Kumer	Aug. 1973 Aug. 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	S. Kumer	Aug. 1973
6. APPLICATION OF FIELD EDIT DATA (Partial)	BY CHECKED BY	F. Margiotta	May 1978
7. COMPILATION SECTION REVIEW	BY	D. Butler	Feb. 1986
8. FINAL REVIEW	BY	J. Massey	Jan. 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	J. Massey	1/87
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	F. L. DAUGHERTY	JUN '87

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COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" (152.71mm FL) Wild RC-9 "M" (88.20mm FL)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Alaska	<input type="checkbox"/> DAYLIGHT
				MERIDIAN	
				150th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71 M (P) 164-165	07/04/71	10:37	1:60,000	10.2 ft. Above MLLW	
71 E (C) 6650-6654	07/10/71	09:13	1:20,000	2.6 ft. Below MLLW	
*71 E (C) 6734	07/10/71	10:37	1:20,000	0.9 ft. Above MLLW	

REMARKS * A partial mean lower low water line was compiled thru an office interpretation of the color photography listed above. See the review report included as part of this Descriptive Report, item 67, for additional information on this subject.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photographs taken at 10.2 ft. above MLLW.

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

The mean lower low water line was delineated in Malina Bay used photograph 71 E (C) 6734, dated 07/10/71 as a source.

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
TP-00295	TP-00302	TP-00310	TP-00300

REMARKS

TP-00301

HISTORY OF FIELD OPERATIONS

I. <input checked="" type="checkbox"/> FIELD OPERATION <input type="checkbox"/> FIELD EDIT OPERATION			
OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. F. Lanier	June 1971
2. HORIZONTAL CONTROL		RECOVERED BY: None	
		ESTABLISHED BY: None	
		PRE-MARKED OR IDENTIFIED BY: None	
3. VERTICAL CONTROL		RECOVERED BY: NA	
		ESTABLISHED BY: NA	
		PRE-MARKED OR IDENTIFIED BY: NA	
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	
		<input type="checkbox"/> COMPLETE BY	
		<input type="checkbox"/> SPECIFIC NAMES ONLY	
		<input checked="" type="checkbox"/> NO INVESTIGATION	Feb 1973
6. PHOTO INSPECTION		CLARIFICATION OF DETAILS BY: None	
7. BOUNDARIES AND LIMITS		SURVEYED OR IDENTIFIED BY: Na	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		NA	
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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
None			

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HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. P. Randall	June 1977
2. HORIZONTAL CONTROL	RECOVERED BY	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
3. VERTICAL CONTROL	RECOVERED BY	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
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 <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	M. Molchan
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N/A

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
None2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

71 E (C) 6734

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)

Field Edit Report

NOAA FORM 76-36D
(3-72)

TP-00301

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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete pending Field Edit	07/05/73	Class III Manuscript	08/07/73	08/07/73
Partial Field Edit Applied	05/01/78	Class III Manuscript		

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)

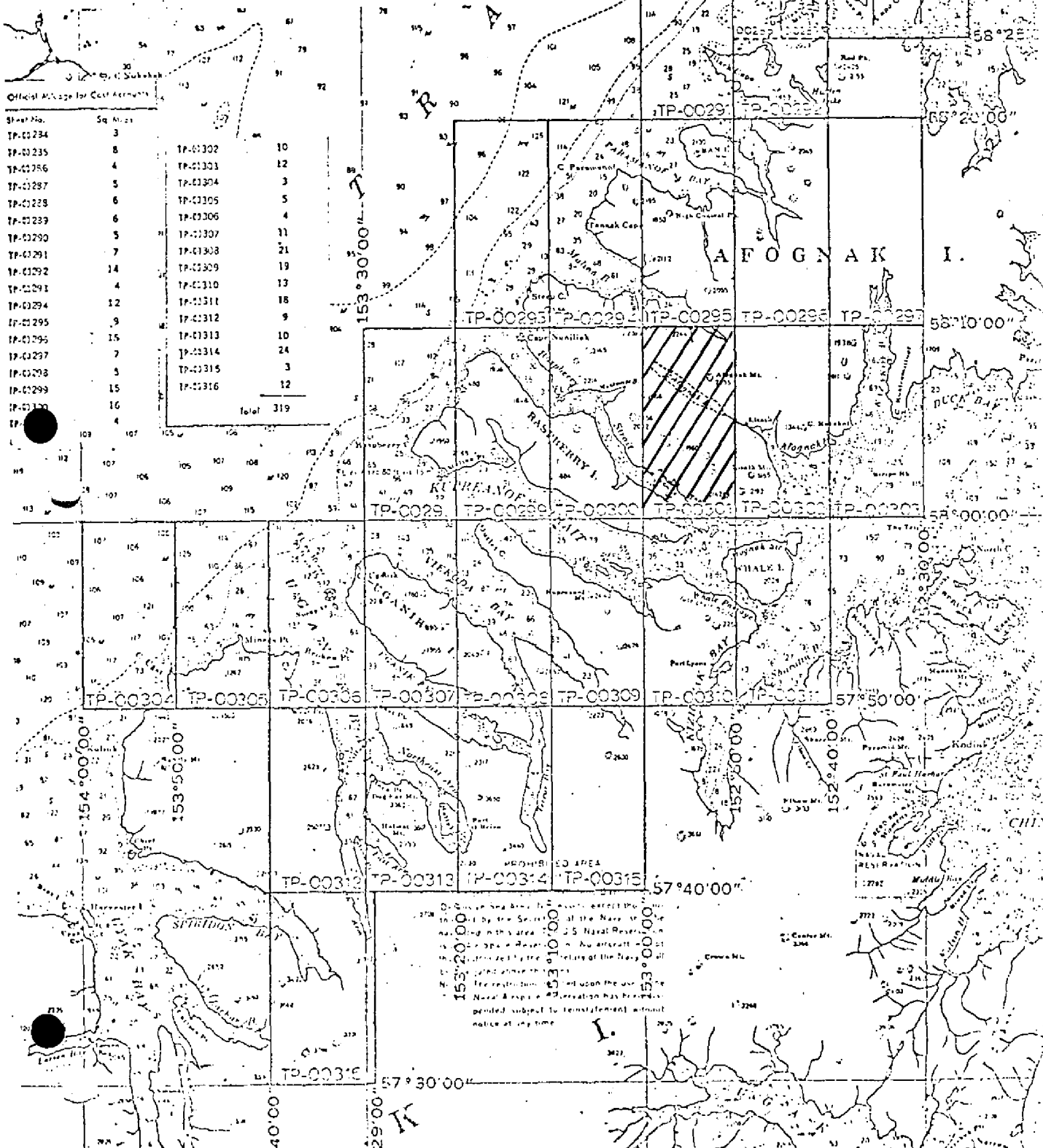
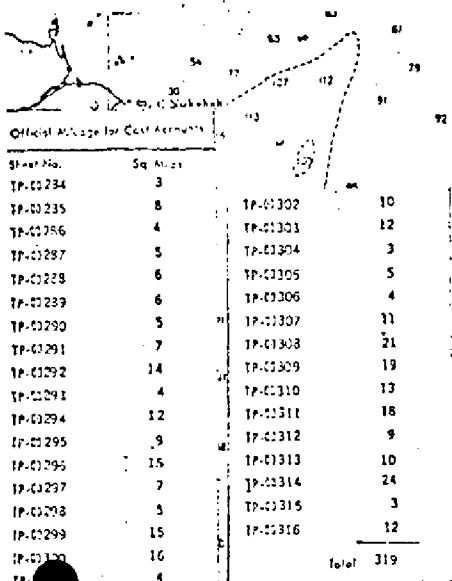
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

JOB PH-7017

AFOGNAK & KODIAK ISLANDS ALASKA

SHORELINE MAPPING

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



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-00301

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

PHOTOGRAMMETRIC PLOT REPORT
AFOGNAK ISLAND, ALASKA, PART II
Job PH-7017
May 1973

21. AREA COVERED

This report covers sheets TP-00296 thru TP-00316 on Afognak Island, Alaska, at 1:20,000 scale.

22. METHOD

Ten strips of photography were bridged by analytic aerotriangulation methods and adjusted to ground on the Alaska State Plane Coordinate System, Zone 5. The ten strips were also adjusted as a block. The attached sketch shows the placement of horizontal control. A list of closures to control is part of this report. Ties with Part I to the north was made by using five common control stations. Data for plotting manuscripts for compilation were assembled for ruling and plotting by the Coradomat. For the 1:20,000 scale maps, ratio prints of the bridging photography were ordered. (One each of cronapaque and matte).

23. ADEQUACY OF CONTROL

All control was adequate and held well within the accuracy required by National Standards of Maps at 1:20,000 scale.

24. SUPPLEMENTAL DATA

US Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

25. PHOTOGRAPHY

RC-9 black and white film positives were adequate as to coverage, overlay, and definition.

Submitted by,

Robert B. Kelly
Robert B. Kelly

Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation
Section

CLOSURES TO CONTROL (BLOCK ADJUSTMENT)

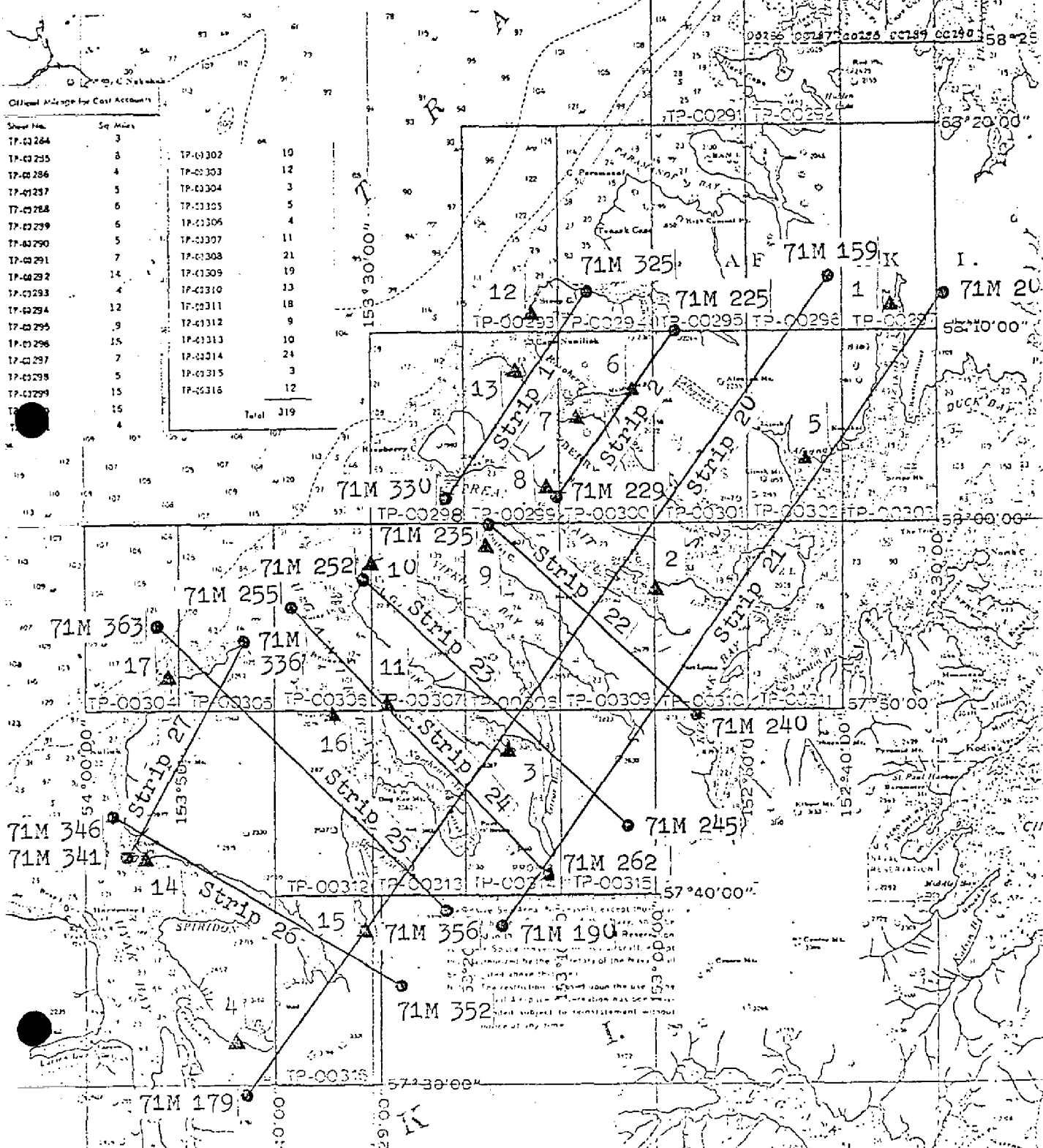
1	Kazakof, 1971 Sub. Sta.	(+ 0.1, + 0.3)
2	Ostro, 1971	(- 0.2, 0.0)
3	Slot, 1971	(+ 0.3, + 0.3)
4	Line, 1929	(- 0.2, + 0.3)
5	Settle, 1971 Sub. Sta.	(- 0.2 - 0.3)
6	Tie, 1941 Sub. Sta.	(- 0.7 + 0.3)
7	Dolphin Point Lt. 1941	(- 1.0 + 8.7)
8	Bay Cove Point 1907, 1908	(+0.5 - 0.4)
9	Pov, 1908	(+ 7.2 +7.8)
10	Cape Uganik, 1908	(+ 0.1 - 0.8)
11	Mesa, 1908	(+ 1.3, + 1.2)
12	Nun, 1941	(+ 0.8, + 0.7)
13	Raspberry Strait Lt.	(+ 2.1, + 3.5)
14	Bird Rock, 1908	(0.0, + 0.1)
15	1st, 1908, 1929	(0.0, - 0.3)
16	West Point, 1908	(+ 0.8, +0.3)
17	Cape Ugat, 1908	(+ 0.1, 0.0)

JOB PH-7017

AFOGNAK & KODIAK ISLANDS
ALASKASHORELINE MAPPING
SCALE 1:10,000 & 1:20,000

Original Airphoto for Coast Accounts

Sheet No.	Sq. Miles		
TP-03284	3	TP-03302	10
TP-03285	3	TP-03303	12
TP-03286	4	TP-03304	3
TP-03287	5	TP-03305	5
TP-03288	6	TP-03306	4
TP-03289	6	TP-03307	11
TP-03290	7	TP-03308	21
TP-03291	7	TP-03309	19
TP-03292	14	TP-03310	13
TP-03293	4	TP-03311	18
TP-03294	12	TP-03312	9
TP-03295	9	TP-03313	10
TP-03296	15	TP-03314	24
TP-03297	7	TP-03315	3
TP-03298	5	TP-03316	12
TP-03299	15		
TP-03300	4		
		Total	319



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODEIC DATUM		ORIGINATING ACTIVITY			
TP-00301		CM-7017		NA 1927		Division, Norfolk, Va.			
STATION NAME		SOURCE OF INFORMATION (Index)		COORDINATES IN FEET STATE ALASKA		GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		REMARKS FORWARD BACK	
				AEROTRI- ANGULATION POINT NUMBER					
START, 1941		Quad 58152 Pg. 17				φ 58 00 16.351		505.9 (1350.4)	
						λ 152 54 30.165		495.4 (490.1)	
RAB, 1941		Quad 58152 Pg. 14				φ 58 01 53.372		1651.3 (205.0)	
						λ 152 58 24.153		396.4 (588.4)	
NUB, 1941		Quad 58152 Pg. 10				φ 58 01 38.036		1176.8 (679.5)	
						λ 152 57 45.207		742.0 (242.9)	
NEAR, 1941		Quad 58152 Pg. 9				φ 58 00 43.338		1340.8 (515.5)	
						λ 152 56 49.764		817.2 (168.0)	
GRASS, 1941		Quad 58152 Pg. 6				φ 58 00 59.991		1856.1 (00.2)	
						λ 152 57 47.746		783.9 (201.2)	
BIG, 1941		Quad 58152 Pg. 2				φ 58 01 42.317		1309.2 (547.1)	
						λ 152 59 56.923		934.3 (50.5)	
						φ			
						λ			
						φ			
						λ			
						φ			
						λ			
						φ			
						λ			
COMPUTED BY	A. C. Rauck, Jr.			DATE	5/29/73	COMPUTATION CHECKED BY	C. Blood	DATE	5/30/73
LISTED BY				DATE		LISTING CHECKED BY		DATE	
HAND PLOTTING BY				DATE		HAND PLOTTING CHECKED BY		DATE	

COMPILATION REPORT

TP-00301

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. The scale of photography used was 1:60,000 (PAN) and 1:20,000 (COLOR).

32. CONTROL:

See the attached Photogrammetric Plot Report, dated May 1973.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from the photographs.

36. OFFSHORE DETAILS:

Offshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

37. LANDMARKS AND AIDS:

No forms 76-40 for non-floating aids to navigation and landmarks were forwarded to the Rockville, Md. office.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See the attached Form 76-36b, item #5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

(A comparison has been made with the following USGS Quadrangle: AFOGNAK (A-3) ALASKA, dated 1954, scale 1:63,360.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey chart: 8534, 5th edition, January 30, 1971, scale 1:78,900.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

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Charles Parker
Cartographic Aid
7/05/73

Approved:

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

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey FIELD EDIT
Job No. 7071 Map No. TP-00301 ...
Classification No. Edition No.
OPR-478-RA-77

LOCALITY

State ALASKA
General Locality Afognak Island
Locality Malina Bay

1977 TO 19

REGISTRY IN ARCHIVES

DATE

FIELD EDIT REPORT
TP-00301

JOB - 7071
OPR-478-RA-77

AFOGNAK ISLAND, ALASKA
MALINA BAY

1 FIELD UNIT

JUNE 15, 1977 - JUNE 28, 1977
(JD 166 - 179)

51 METHODS

All shoreline delineated on TP-00301 was verified by walking. Sand bars restrict the entrance to that portion of Malina Bay covered by TP-00301 at tide stages of less than +2 feet. There was no hydrography run within the limits of the T-Sheet.

The height and time were noted along with the rocks identified on the photographs. The "Z" time, used to reference the height of rocks, was local + 9 hours.

The annotations on TP-00301 were made using colors with the following accepted meanings: violet - verification of features, red - additions or revisions of features, and green - deletion of features. All field notes were transferred to color photograph No. 6734. The MHWL and topographic features showed excellent agreement with the manuscript. All the required questions were answered on the film ozalid.

52 ADEQUACY OF COMPILATION

Office compilation on TP-00301 was complete, requiring neither additions nor deletions.

53 MAP ACCURACY

The mean high and mean low water lines proved accurate and complete, requiring no changes, additions or corrections. There is a near vertical declivity from two to six feet, easily identified on the photographs that distinctly mark the high and the mean high water lines. The office identification of the MHWL was complete and accurate.

54 RECOMMENDATIONS

NONE

56 MISCELLANEOUS

One photo signal (#393) was identified and located on TP-00301. For computations concerning this signal, refer to "Separates Following the Text" of the Descriptive Report H-9684.

Respectfully submitted,

Marianne Molchan, Ens.

Marianne Molchan
Ens, NOAA

Approved by,

James P. Randall

James P. Randall
Capt, NOAA

SEPARATES FOLLOWING THE TEXT

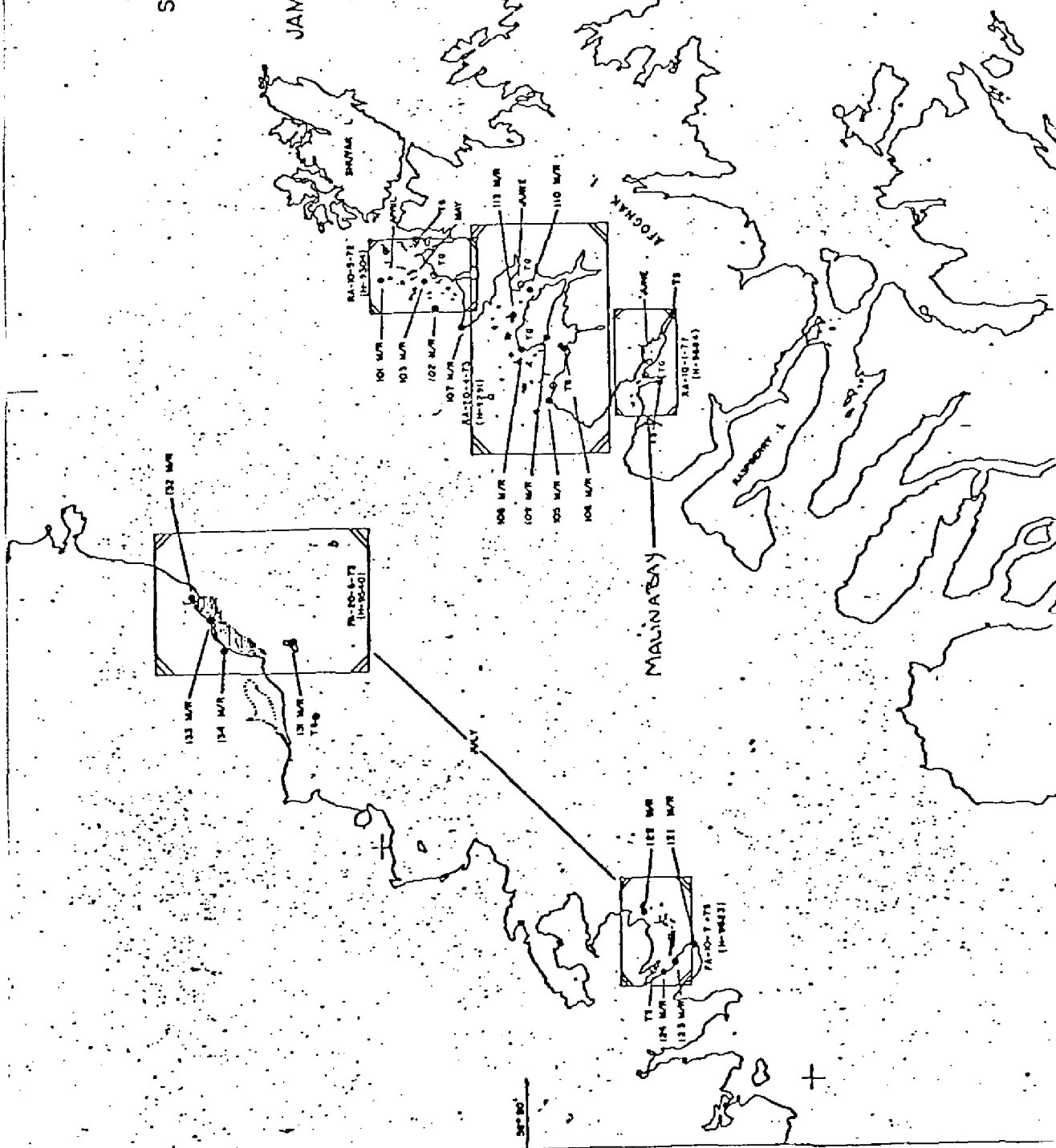
- 1) Progress Sketch
- 2) Manuscript Layout

FROM CHART H5380 (Formerly C & G 8856)

ON THE

APR	MAY	JUNE	JULY
0.14	4.8	3.7	3.11
3.0	204.8	234.8	122.6
10.1	234.0	211.3	124.8
0	0	41	0
9	0	12	9
3	4	3	11.
0	0	1	0
1	0	1	1
4	2	2	1
2	4	0	7

NO DISTANCE TO 0 FROM 14 CLONES IN MEET. DISTANCE



JOB PH-7017 Photo-hydro support data to
be furnished by May 1, 1972

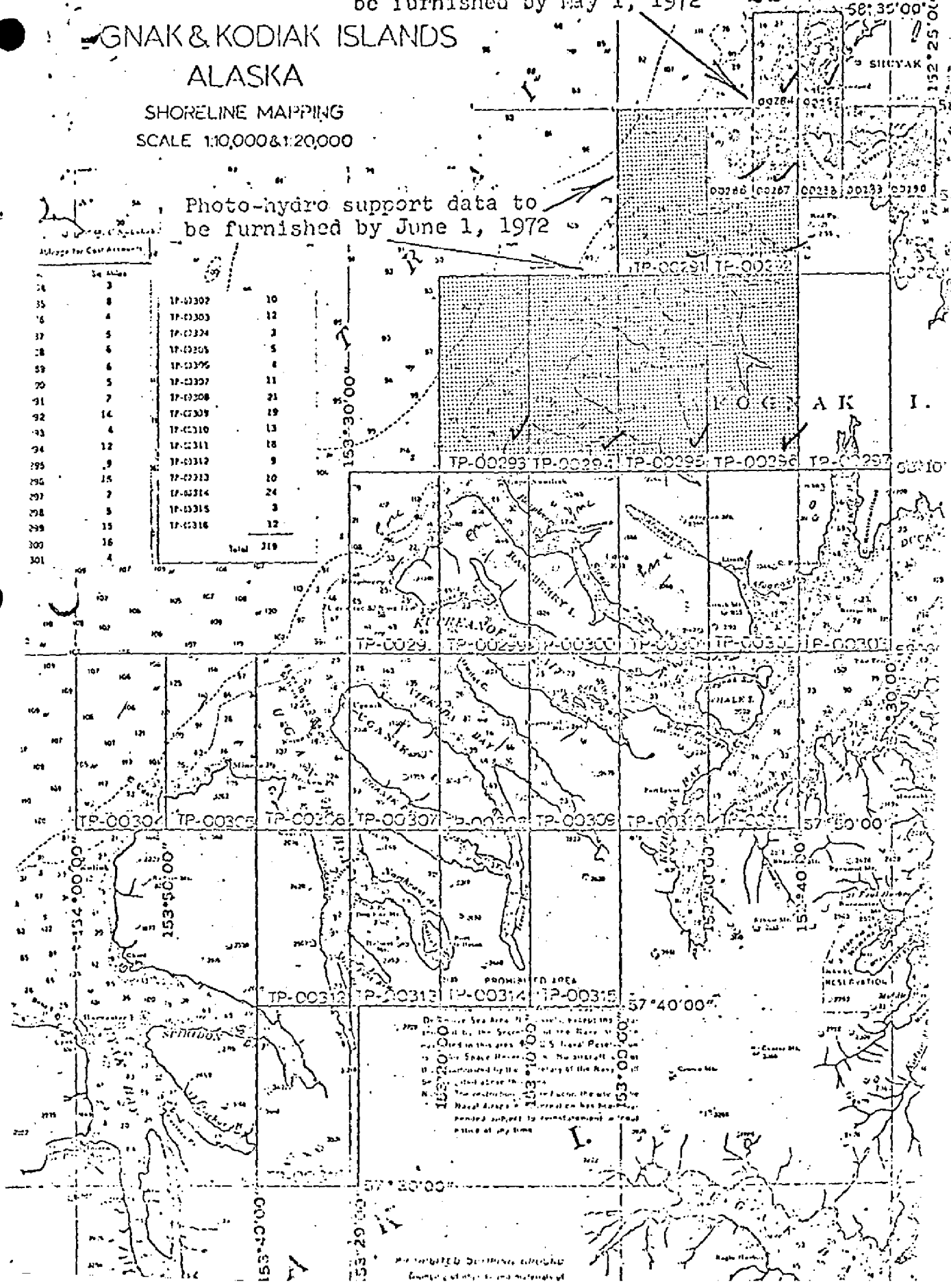
GNAK & KODIAK ISLANDS ALASKA

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

Photo-hydro support data to
be furnished by June 1, 1972

Adjust for Coast Account

Se	Se	TP-0302	10
34	3	TP-0303	12
35	8	TP-0304	3
36	4	TP-0305	5
37	5	TP-0306	4
38	6	TP-0307	11
39	6	TP-0308	21
40	5	TP-0309	19
41	7	TP-0310	13
42	14	TP-0311	18
43	4	TP-0312	9
44	12	TP-0313	10
45	9	TP-0314	24
46	15	TP-0315	3
47	2	TP-0316	12
48	5		
49	13		
50	16		
51	4		
		Total	319



Review Report
TP-00301

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.

63. Comparison with Maps of Other Agencies

Refer to item 46 of the Compilation Report bound with this Descriptive Report for detailed information on this topic.

64. Comparison with Hydrographic Surveys

Comparison with hydrographic surveys was not a requirement for this project.

65. Comparison with Nautical Charts

Refer to item 47 of the Compilation Report bound with this Descriptive Report for information on this topic.

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. Landmarks and Fixed Aids to Navigation

Reference is made to item #37 of the Compilation Report which states, "No forms 76-40 for non-floating aids to navigation and landmarks were forwarded to the Rockville, Md. office". This implies the existence of such forms and features of mapping interest. After checking all available source documentation it was determined no aids to navigation or landmark features fall within the map limits.

68. Delineation

Map detail was compiled on the Wild B-8 stereoplotter using the 1:60,000-scale "M" camera, panchromatic photography. This was supplemented by office interpretation and graphic compilation techniques of the 1:20,000-scale "E" camera, color photography, both of which are listed on NOAA Form 76-36 B, compilation photography.

69. Mean Lower Low Water

An approximate mean lower low water line was delineated within the confines of Malina Bay as it appears on this manuscript. The symbolized line was delineated thru an office interpretation and application by graphic compilation techniques of the 1:20,000-scale "E" camera, color photography listed on NOAA Form 76-36 B, item #1, compilation photography. The stage of tide indicated for the photographs was based on predicted tides. The mean lower low water line depicted should be considered approximate and advisory only. For more information on the datum, mean lower low water, refer to the contemporary hydrographic survey of the area.

Submitted by,

D. Butler
Office Reviewer

James W. Massey
J. Massey
Final Reviewer

Approved by,

Larry O. Roborn
Acting Chief, Photogrammetric Production Section

A. J. Byrne CDR NOAA
Chief, Photogrammetry Branch

Feb. 27, 1973

GEOGRAPHIC NAMES

FINAL NAMES SHEET

PH-7017 (Alaska)

TP-00301

Afognak Island
~~Afognak Lake~~ *gwm*
~~Afognak Mountain~~ *gwm*
~~Afognak River~~ *gwm*
~~Chugach National Forest~~ *gwm*
~~Hatchery Creek~~ *gwm*
Little Raspberry Island
Malina Bay
~~National Forest Boundary (Approx.)~~ *gwm*
Raspberry Island
Raspberry Strait
The Narrows
The Slough
Tiger Cape
Waskanareska Bay
Yukuk Bay

Approved by:

A. J. Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

C. E. Harrington
C. E. Harrington
Cartographer

INDEX TO PROJECT DATA AND MATERIAL ON FILE

PH-7017

AFOGNAK AND KODIAK ISLANDS, ALASKA

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

BROWN JACKETS:* Denotes Field Edit Information

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

- 3 of 3:* - 1 Sounding Volume for TP-00303
- * - 1 Sounding Volume for TP-00310
- * - 1 Sounding Volume for TP-00311

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

