

TP-00303

TP-00303

NOAA FORM 76-35 (6-80) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2> <p style="text-align: center;">Partially Field Edited Map</p>	
<i>Map No.</i> TP-00303	<i>Edition No.</i> One
<i>Job No.</i> PH-7017	
<i>Map Classification</i> Final Class III (Partial Field Edit)	
<i>Type of Survey</i> Shoreline	
<h3>LOCALITY</h3>	
<i>State</i> Alaska	
<i>General Locality</i> Afognak and Kodiak Islands,	
<i>Locality</i> Kazakof Bay	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19₇₁ TO 19 </div>	
<h3>REGISTERED IN ARCHIVES</h3>	
<i>DATE</i>	

DESCRIPTIVE REPORT

TP-00303

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

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
- ☐ RESURVEY
- ☐ REVISED

SURVEY TP. 00303

MAP EDITION NO. (1)

Final

MAP CLASS Class III

JOB PH. 7017

PHOTOGRAMMETRIC OFFICE

Atlantic Marine Center
Norfolk, Virginia

OFFICER-IN-CHARGE

Roy K. Matsushige, 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

1:20,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY	R. B. Kelly	May 1973
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY	Allen	May 1973
	Allen	May 1973
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L. Williams	Aug. 1980
INSTRUMENT: Wild B-8 Stereoplotter	D. Butler, R. Kravitz	Aug. 1980
SCALE: 1:20,000	N/A	
	N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	L. Williams	Sept. 1980
	D. Butler	Sept. 1980
METHOD: Smooth Drafted	N/A	
	N/A	
SCALE: 1:20,000	L. Williams	Sept. 1980
	D. Butler	Sept. 1980
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	D. Butler	Sept. 1980
6. APPLICATION OF FIELD EDIT DATA (Partial) BY	R. Mueller	June 1982
	D. Butler	Nov. 1982
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	5/87
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	E. L. DAUGHERTY	JUN '87

NOAA FORM 76-36A

SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

TP-00303

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

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"/> PREDICTED TIDES				Alaska	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				150th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 71 E (C) 6624-6625	07/10/71	08:55	1:20,000	2.2 ft. Below MLLW	
* 71 E (C) 6001-6003	07/04/71	12:45	1:20,000	5.0 ft. Above MLLW	
* 71 E (C) 6089-6094	07/04/71	13:40	1:20,000	4.3 ft. Above MLLW	
* 71 E (C) 6033-6034	07/04/71	13:12	1:20,000	4.7 ft. Above MLLW	
** 71 M (P) 201-204	07/04/71	11:08	1:60,000	6.6 ft. Above MLLW	

REMARKS * Denotes those photographs that were used to prepare hydro support data
 ** Denotes the Compilation Photography Mean High Water = 8.7 ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed compilation photography.

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
TP-00297	No-Survey	No Survey	TP-00302

REMARKS

TP-00303

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. F. Lanier	June 1971
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
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	None
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

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

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NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00303
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	N. C. Austin, CDR, NOAA	July 1981
2. HORIZONTAL CONTROL	RECOVERED BY S. J. Konrad, LTJG, NOAA	July 1981
	ESTABLISHED BY S. J. Konrad, LTJG, NOAA	July 1981
	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 <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	None
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY S. J. Konrad, LTJG, NOAA	July 1981
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details) 71 E(C)6090 - 6094, 71 E(C)6152			
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)

One original Field Edit Report One Field Edit Ozalid;
One Sounding Volume for TP-00303

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00303
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	Sept. 1980	Class III manuscript	Oct. 10, 1980	Oct. 21, 1980
Partial field edit applied	June 29, 1982	Class III manuscript		Nov. 9, 1982

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: None
3. ☐ 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. ~~507~~ ⁷⁶⁻⁴⁰ 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	

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.

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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-00303

There was no field inspection prior to compilation. Field work accomplished 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 crona-paque 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)

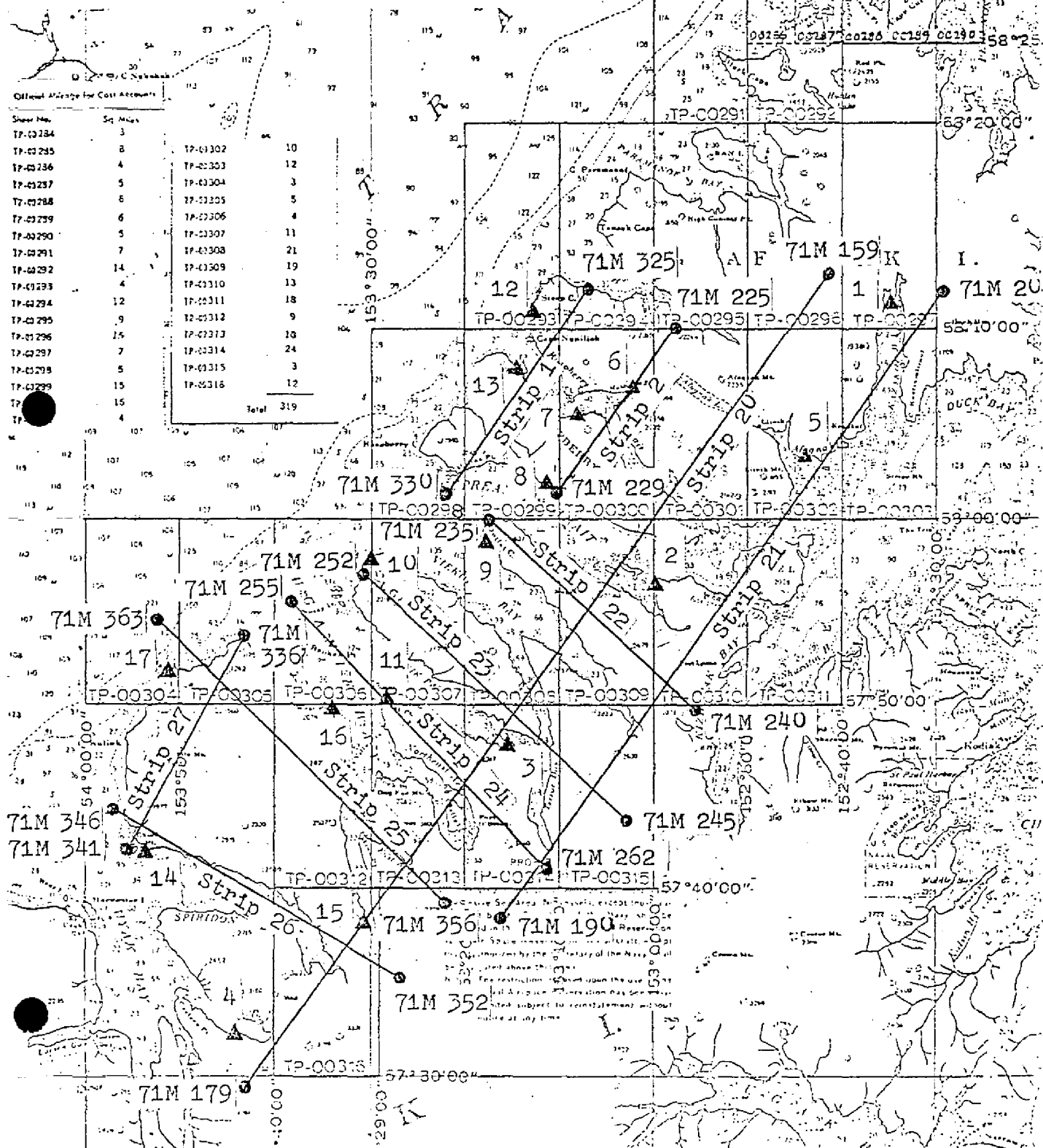
JOB PH-7017

AFOGNAK & KODIAK ISLANDS ALASKA

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

Offset Allowance for Cost Account

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
TP-02296	15	TP-02313 10
TP-02297	7	TP-02314 24
TP-02298	5	TP-02315 3
TP-02299	15	TP-02316 12
TP-02300	4	
		Total 319



COMPILATION REPORT

PH-7017
TP-0030331 - DELINEATION

Delineation was by the Wild B-8 stereoplotter, using "M" photography at 1:60,000 scale. The coverage was adequate. 1:20,000 scale photography was processed for hydro support.

32 - CONTROL

Refer to the 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.

36 - OFFSHORE DETAILS

There were numerous rocks located offshore that were not visible on the "M" photography and were positioned from the hydro support photographs.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated May 1973.

PH-7017
TP-00303

46 - COMPARISON WITH EXISTING MAPS

Afognak (A-2), Alaska, scale 1:63,360 dated 1954.
U. S. Geological Survey

47 - COMPARISON WITH NAUTICAL CHARTS

NOS 16594, scale 1:78,900, 5th Ed., Jan. 30, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

L. Williams
Cartographic Aid
Date: September 23, 1980

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

PH-7017
TP-00303

FIELD EDIT

Ledges symbolized on this manuscript were detailed from photographs annotated by the field editor. These annotations were positioned by photo interpreting images visible on the photographs. Ledges were detailed on the shoreline manuscript as an aid in the verification of Hydrographic Survey Sounding Data. They do not represent the sounding datum Mean Lower Low Water. The latest Hydrographic Survey of the area should be consulted for the proper depiction of the Mean Lower Low Water Datum.

Submitted by:

Robert Mueller

Robert Mueller
Cartographer
June 29, 1982

Approved:

James W. Massey
James W. Massey

Chief, Photogrammetric Branch

NOAA FORM 76-35A U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY FIELD EDIT REPORT DESCRIPTIVE REPORT OPR-P146-DA/FA-81
Type of Survey Field No. TP-00303 Office No.
LOCALITY State Alaska General Locality Marmot Bay Locality Kazakof Bay 1981 CHIEF OF PARTY CDR Ned C. Austin LIBRARY & ARCHIVES DATE

FIELD EDIT REPORT, TP-00303
OPR P146-DA/FA-81
KAZAKOF BAY, ALASKA

INTRODUCTION

Field edit on Manuscript TP-00303 (scale 1:20000) was performed by DAVIDSON personnel from July 21 (JD 202) through July 24 (JD 205). Manuscript TP-00303 covers the area bounded by latitudes 58/00/00 N to 58/10/00 N, and longitudes 152/30/00 W to 152/40/00 W. Hydrographic field sheet H-9957 (DA-10-2-81) is supported by field edit done on Manuscript TP-00303.

METHODS

Field edit was performed in accordance with Project Instructions OPR-P146-DA/FA-81, Shelikof Strait, Alaska, dated February 6, 1981; and the Manual of Coastal Mapping and Field Procedures, Chapter 11. All features were located by one of three methods:

1. Photo identification
2. Three point sextant fix with check angle
3. Taped distance and magnetic bearing from photo identifiable point

With each fix and/or photo position, the Universal (Greenwich Mean) Time of the position, and height of the feature were recorded. Zone Description for the working area was +9 hours. Rock heights were taken in one of two ways: (1) If the rock was submerged, an oar would be used as a sounding pole and the height (negative) would be recorded. (2) If the rock bared, a steel tape was used in conjunction with a hand level. All fix accuracies meet 1:10000 scale standards.

All field edit was performed on foot, or on skiffs WZ-3041 or WZ-3043. Since no matte ratio photographs were provided, it was necessary to take chronapaque ratio photographs into the field. In order to preserve these photographs, all field work was done on the paper ozalid, using the photographs for clarification only. All data was transferred to the Master Field Edit Print and the chronapaque ratio photographs after returning to the ship. On Manuscript TP-00303, all height, time, and fix data were recorded on the master print, or reference was made to the fix volume which contains descriptive information on the position. Chronapaque ratio photograph numbers 6090-6094, and 6152 were used to support field edit operations on Manuscript TP-00303. The master print and chronapaque photos were inked as follows:

Violet: Verifications, additions, and general notes
Green: Deletions

All features transferred from the manuscript to the hydrographic field

sheet were inked in red. Field edit data was not duplicated by hydrography, and does not appear as such on the final field sheet.

ADEQUACY OF COMPILATION

Photogrammetric compilation of rocks and obstructions was adequate.

MAP ACCURACY

The mean high water line depicted on the map is accurate. The mean lower low water line is adequately delineated by hydrographic data.

MISCELLANEOUS

A total of six photographs were used to support field edit operations on TP-00303. Photo numbers, and stages of tide at which they were taken are:

<u>Photo Number</u>	<u>Tide Stage (ft.)</u>
6090-6094	+4.2
6152	+4.6

Photographs from flight lines run at low tide were used whenever possible.

An active logging camp exists in Kazakof Bay at approximate position $58^{\circ} 08.3' N$ and $152^{\circ} 33.0' W$. No service or pier facilities are available, except for a rock quay used to tie-up supply barges.

Field edit conditions were excellent. On sunny, calm days, visibility through the water was as deep as 30 feet, facilitating identification of submerged features. All field work was done at or near low tide.

RECOMMENDATIONS

Manuscript TP-00303 is incomplete south of latitude $58^{\circ} 06.4' N$. This occurred because field edit priorities were to support hydrography, and the time available was not sufficient to complete hydrographic priorities as well as the manuscript. Therefore, it is recommended that the field edit of southern Kazakof Bay and its adjacent areas be completed to upgrade Manuscript TP-00303 to a Class I Manuscript. The remainder of the manuscript is complete.

Respectfully submitted,

Steven J. Konrad
Steven Konrad
LT(jg), NOAA

Approved and forwarded,

N. C. Austin
N. C. Austin
CDR, NOAA

SK:jf

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

LANDMARKS FOR CHARTS

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

ORIGINATING ACTIVITY

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED
REPORTING UNIT
(If field party, ship or office)

DAVIDSON

STATE

ALASKA

LOCALITY

KAZAKOF BAY

DATE

23 Sep. 81

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.
☒ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☐ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH
 (See reverse for responsible personnel)

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

OPR-PL46-DA/FA-81 PH-7017

TP-00303

DATUM
N.A. 1927

POSITION

LATITUDE

LONGITUDE

° / ' " D.M. Meters

° / ' " D.P. Meters

OFFICE

FIELD

METHOD AND DATE OF LOCATION
(See instructions on reverse side)CHARTING
NAMEDESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

°

/

"

D.M. Meters

°

/

"

D.P. Meters

OFFICE

FIELD

CHARTS
AFFECTED

None

16594

OBJECTS INSPECTED FROM SEAWARD N/A	S.J. Konrad	<input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)		
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982	
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

OBJECTS INSPECTED FROM SEAWARD

N/A

S.J. Konrad

☒ PHOTO FIELD PARTY
☒ HYDROGRAPHIC PARTY
☐ GEODETTIC PARTY
☐ OTHER (specify)

POSITIONS DETERMINED AND/OR VERIFIED

FIELD ACTIVITY REPRESENTATIVE

FORMS ORIGINATED BY QUALITY CONTROL
AND REVIEW GROUP AND FINAL REVIEW
ACTIVITIES

OFFICE ACTIVITY REPRESENTATIVE

☐ REVIEWER
☐ QUALITY CONTROL AND REVIEW GROUP
REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD (Cont'd)

B. Photogrammetric field positions** require

entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

- | | |
|-------------------|----------------------|
| F - Field | P - Photogrammetric |
| L - Located | Vis - Visually |
| V - Verified | |
| 1 - Triangulation | 5 - Field identified |
| 2 - Traverse | 6 - Theodolite |
| 3 - Intersection | 7 - Planetable |
| 4 - Resection | 8 - Sextant |

A. Field positions* require entry of method of

location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

Date 21-JULY-1981

Project No. OPR-P146-DA-81 Vessel WZ3041 & WZ3043

Date of Survey JULY, 1981

Fieldsheet No. TP-00303

Registry No.

Fieldsheet is ~~Complete~~/Incomplete

[illegible]

Review Report
TP-00303

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. 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.

Submitted by,

D. Butler
Office Reviewer

James W. Massey
J. Massey
Final Reviewer

Approved by,

Larry D. Roborn
Acting Chief, Photogrammetric Production Section

A. J. Bryan CDR, NOAA
Acting Chief, Photogrammetry Branch

Feb. 27, 1973

GEOGRAPHIC NAMES

FINAL NAMES SHEET

PH-7017 (Alaska)

TP-00303

Afognak Island
Alexander Island
~~Big Rock~~ *Jum*
Cape Kazakof
Cape Kostromitinof
~~Chugach National Forest~~ *Jum*
Duck Bay
Eastern Passage
Kazakof Bay
Marka Bay
Marmot Bay
~~National Forest Boundary (Approx.)~~ *Jum*
Parrot Island
~~Skipwith Reefs~~ *Jum*
Stripe Rock

Approved by:

A. J. Wright

A. Joseph Wright
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

