TP-00297

TP-00297

NOAA FORM 76-35
(6-80)

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

DESCRIPTIVE REPORT

This Map Was Field Edited

Map No. TP-00297	*Edition No.* One
Job No. PH-7017	
Map Classification Final Field Edited Map	
Type of Survey Shoreline	

LOCALITY

State
Alaska

General Locality
Afognak and Kodiak Islands

Locality
Kazakof Bay, Head Of

1971 TO 1977

REGISTERED IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE: 1980-665-115

DESCRIPTIVE REPORT

TP-00297

TABLE OF CONTENTS

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

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 00297

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH- 7017

PHOTOGRAMMETRIC OFFICE: Atlantic Marine Center, Norfolk, Virginia

OFFICER-IN-CHARGE: Jeffrey G. Carlen, Cdr., NOAA

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Aerotriangulation Instr. Nov. 19, 1971 Office Instr. Apr. 17, 1972 Office Instr., Supplement 1 May 11, 1973 Office Instr., Amendment 1 Not Dated	Field Support Instr. May 03, 1971

II. DATUMS

1. HORIZONTAL:	[X] 1927 NORTH AMERICAN	OTHER (Specify)
2. VERTICAL:	[X] 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 — METHOD: Analytic — BY	R. Kelly	May 1973
LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS — METHOD: Coradomat — PLOTTED BY	R. Allen	May 1973
CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION — PLANIMETRY BY	C. Blood	June 1973
CHECKED BY	A. Shands	June 1973
INSTRUMENT: Wild B-8 Stereoplotter — CONTOURS BY	N/A	
SCALE: 1:20,000 — CHECKED BY	N/A	
4. MANUSCRIPT DELINEATION — PLANIMETRY BY	W. Gilbert	Jul. 1973
CHECKED BY	R. White	Jul. 1973
METHOD: Smooth Drafted — CONTOURS BY	N/A	
CHECKED BY	N/A	
SCALE: 1:20,000 — HYDRO SUPPORT DATA BY	W. Gilbert	Jul. 1973
CHECKED BY	R. White	Jul. 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT — BY	R. White	Jul. 1973
6. APPLICATION OF FIELD EDIT DATA — BY	R. Mueller	May 1982
CHECKED BY	D. Butler	Nov. 1982
7. COMPILATION SECTION REVIEW — BY	D. Butler	Jan. 1986
8. FINAL REVIEW — BY	J. Massey	Dec. 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

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)

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

TP-00297

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8"E" (152.71mm)
Wild RC-9"M" (88.20mm)

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Alaska
[X] STANDARD
MERIDIAN: 150th
[ ] DAYLIGHT

TIDE STAGE REFERENCE
[X] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[ ] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71E(C) 6148-6151	July 5,1971	14:17	1:20,000	7.2 ft. above MLLW
*71M(P) 203-204	July 4,1971	11:17	1:60,000	6.0 ft. above MLLW

REMARKS

* Compilation photography

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

No mean lower low water line has been 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	No Survey	TP-00303	TP-00296

REMARKS

NOAA FORM 76-36C
(3-72)

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

TP-00297

HISTORY OF FIELD OPERATIONS

I. [X] FIELD [redacted] OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. F. Lanier	June 1971
2. HORIZONTAL CONTROL	RECOVERED BY	R. B. Melby	June 1971
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	R. B. Melby	June 1971
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: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY	None	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
71M - 157	KAZAKOF, 1971

2. VERTICAL CONTROL IDENTIFIED

None

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS *(Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division)*

One Form C&GS152 (CSI)

☆U.S. Government Printing Office: 1975 — 665-661/1110, Region No. 6

NOAA FORM 76-36C
(3-72)

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

TP-00297

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		Ned C. Austin, CDR, NOAA	July 1981
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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	BY 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) 6094, 6149, 6151, 6152

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. 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*)

One original Field Edit Report and one copy.
One Field Edit Ozalid.

☆U.S. Government Printing Office: 1975 – 665-661/1110, Region No. 6

NOAA FORM 76-36D
(3-72)

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

TP-00297

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	July 2,1973	Class III manuscript superseded	Aug. 7,1973	Aug. 7,1973
Field edit applied, compilation complete.	May 24,1982	Class I 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. [X] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; [ ] FORM NOS. ~~X-36X~~ 76-40 SUBMITTED BY FIELD PARTIES.
3. [X] 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)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

NOAA FORM 76-36D

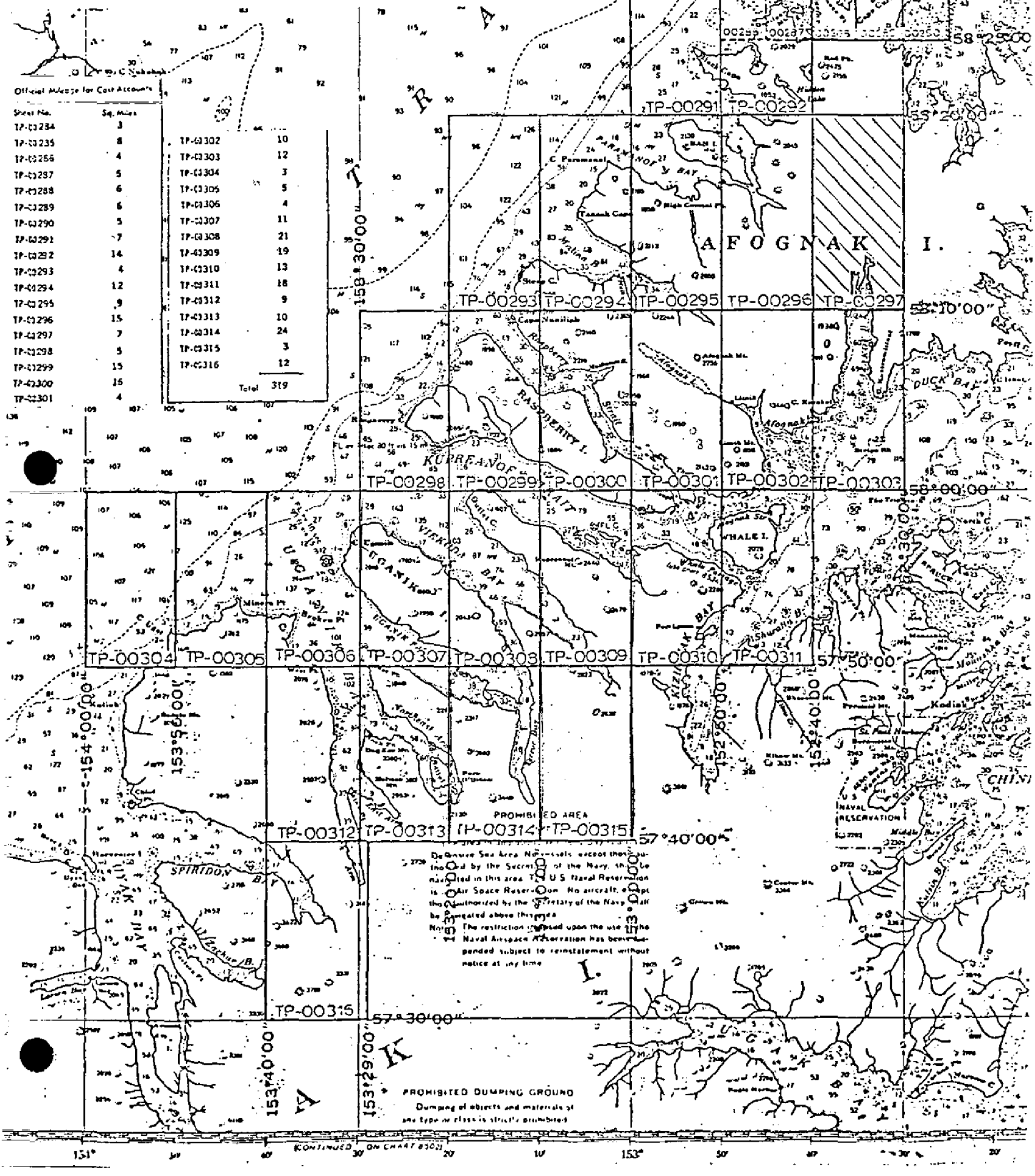
☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6

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

FIELD INSPECTION

PH-7017
TP-00297

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 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

Approved and forwarded:

John D. Perrow, Jr.
Chief, Aerotriangulation
Section

CLOSURES TO CONTROL (BLOCK ADJUSTMENT)

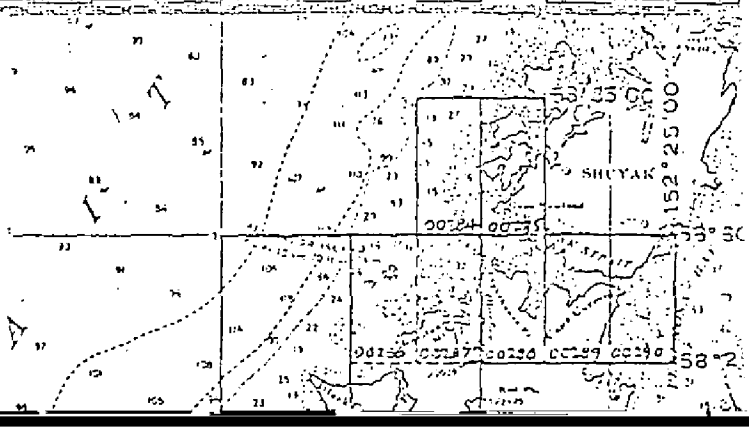
1	Kazakof, 1971 Sub. Sta.	(+ 0.1, + 0.3)
2	Ostro, 1971	(- 0.2, 0.0)
3	Slot, 1971	(+ 0.3, + 0.3)
4	Line, 1929	(- 0.2, + 0.3)
5	Settle, 1971 Sub. Sta.	(- 0.2 - 0.3)
6	Tie, 1941 Sub. Sta.	(- 0.7 + 0.3)
7	Dolphin Point Lt. 1941	(- 1.0 + 8.7)
8	Bay Cove Point 1907, 1908	(+0.5 - 0.4)
9	Pov, 1908	(+ 7.2 +7.8)
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



NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00297	PH-7017	North American Datum 1927	Photogrammetry Branch, PMC, Seattle, WA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 5	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FORWARD	(BACK)
KAZAKOF, 1971	Quad 581523		x=	φ 58 11 24.162	747.6	(1108.8)
			y=	λ 152 34 09.472	154.8	(826.0)
CHICK, 1981	Preliminary adjusted GP Listing		x=	φ 58 10 03.18837	98.6	(1757.7)
			y=	λ 152 35 29.17595	477.0	(504.0)
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY	R. D. Mueller	DATE	6 May 1982	COMPUTATION CHECKED BY D. P. Butler	DATE 3 Nov. 1982
LISTED BY	R. D. Mueller	DATE	6 May 1982	LISTING CHECKED BY D. P. Butler	DATE 3 Nov. 1982
HAND PLOTTING BY	R. D. Mueller	DATE	6 May 1982	HAND PLOTTING CHECKED BY D. P. Butler	DATE 3 Nov. 1982

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT
PH-7017
TP-00297

31 - DELINEATION

D

Delineation was by the Wild B-8 stereoplotter. The photography was adequate.

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

None.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

PH-7017
TP-00297

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated May 1973.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following USGS quadrangle: Afognak (A-2), Alaska, scale 1:63,360 dated 1954.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Chart 8556, 4th Ed., Nov. 20, 1971, scale 1:350,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

/s/
Willie Gilbert
Cartographic Aid
Date: July 2, 1973

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

PH-7017
TP-00297

FIELD EDIT:

Reefs and ledges symbolized on this manuscript were detailed from photographs annotated by the field editor. These annotations were positioned by photo interpreting images visable on the photographs. Reefs and 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
Cartographer
Nov. 16, 1982

Approved:

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-81

Type of Survey .....

Field No. TP-00297

Office No. .....

LOCALITY

State Alaska

General Locality Marmot Bay

Locality Kazakof Bay

.....

1981

CHIEF OF PARTY
CDR Ned C. Austin

LIBRARY & ARCHIVES

DATE .....

☆U.S. GOV. PRINTING OFFICE: 1980—668-537

FIELD EDIT REPORT, TP-00297
OPR P146-DA/FA-81
KAZAKOF BAY, ALASKA

INTRODUCTION

Field edit on Manuscript TP-00297, (scale 1:20000) was performed by DAVIDSON personnel on July 23 (JD 204), July 24 (JD 205), and July 30 (JD 211). Manuscript TP-00297 covers the area bounded by latitudes 58/10/00 N to 58/20/00 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-00297.

METHODS

Field edit was performed in accordance with Project Instructions

[redacted]

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 two methods:

1. Photo Identification
2. Taped distance and magnetic bearing from photo identification point

With each fix and/or photo position, the Universal (Greenwich Mean) Time of the position, and the 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 in 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-00297, all height, time, and fix data were recorded on the master print. There is no fix volume referenced to this manuscript. Chronapaque ratio photograph numbers 6049, 6149, 6151, and 6152 were used to support field

hydrography, and does not appear as such on the final field sheet.

ADEQUACY OF COMPILATION

Photogrammetric compilation of rocks and obstructions was adequate. The feature compiled as an island at latitude 58°10.6 N and longitude 152°34.2 W was changed to a rock and ledge symbol. The rock was bare at all stages of tide, but would go awash at high tide on windy days.

MAP ACCURACY

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

MISCELLANEOUS

A total of four photographs were used to support field edit operations on TP-00297. Photo numbers, and stages of tide at which they were taken are:

Photo Number	Tide Stage (ft.)
6049	+5.3
6149, 6151, 6152	+4.6

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

Field edit conditions were excellent. On sunny, calm days, visibilty 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-00297 is complete. It is recommended that it be upgraded to a Class I Manuscript.

Respectfully submitted,

Steven J. Konrad
LT(jg), NOAA

Approved and forwarded,

N. C. Austin
CDR, NOAA

SJK:jaf

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [XX] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [ ] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [XX] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
DAVIDSON	ALASKA	KAZAKOF BAY	23Sep.81

The following objects HAVE [XX] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
OPR-P146-DA/FA	-81 PH-7017	TP-00297	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See Instructions on reverse side) OFFICE	METHOD AND DATE OF LOCATION FIELD	CHARTS AFFECTED
	None							16594

19

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD N/A	S.J. Konrad	☐ PHOTO FIELD PARTY ☒ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

1. 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

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.

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

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.

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-665-073/1030 Region 6

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

NONFLOATING AIDS

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

FOR CHARTS

ORIGINATING ACTIVITY
- [X] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [ ] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [X] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT *(Field Party, Ship or Office)*	STATE	LOCALITY	DATE
DAVIDSON	ALASKA	KAZAKOF BAY	23Sep.81

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
OPR-P146-DA/FA	-81 PH-7017	TP-00297	N.A. 1927

CHARTING NAME	DESCRIPTION *(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)*	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION *(See instructions on reverse side)* OFFICE	METHOD AND DATE OF LOCATION FIELD	CHARTS AFFECTED
	None							16594

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD N/A	S.J. Konrad	☐ PHOTO FIELD PARTY ☒ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ 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

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
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1 - Triangulation	5 - Field identified
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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.

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

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.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL O[illegible]AN SURVEY

ABSTRACT OF TIME OF ~~HYDROGRAPHY OR~~ FIELD EDIT

Date 23-JULY-1981

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

Date of Survey JULY, 1981

Fieldsheet No. TP-00297 Registry No. NONE

Fieldsheet is Complete/~~Incomplete~~

J.D.	Time(z)		J.D.	Time(z)
204	222000	-	204	232000
205	193300	-	205	220500

J.D.	Time(z)		J.D.	Time(z)
		-		

Review Report
TP-00297

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.

68. Geographic Names

The final geographic names sheet, dated Feb. 27,1973 as issued by C. E. Harrington, (Cartographer), and A. Joseph Wraight, (Chief Geographer), cannot be located. A list was developed using USGS Quadrangle, Afognak (A-2) Alaska, 1:63,360 scale, dated 1954. This document contained the stamp "Geographic Names Standard", and applicable names were underlined in red.

Submitted by,

D. Butler
Office Reviewer

J. Massey
Final Reviewer

Approved by,

Acting Chief, Photogrammetric Production Section

C.Y. Bryan CDR NOAA
[redacted] Chief, Photogrammetry Branch

[redacted]

TP-00297

GEOGRAPHIC NAME LIST

AFOGNAK ISLAND

KAZAKOF BAY

[redacted]

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

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

36

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-00297

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 Review.*

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.