

TP-00299

TP- 00299

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
This Map Will Not Be Field Edited	
Map No. TP-00299	Edition No. One
Job No. PH-7017	
Map Classification Final Class III	
Type of Survey Shoreline	
LOCALITY	
State Alaska	
General Locality Afognak and Kodiak Islands,	
Locality Onion Bay	
19 71 TO 19	
REGISTERED IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT

TP-00299

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## DESCRIPTIVE REPORT - DATA RECORD

- ☒ ORIGINAL  
☐ RESURVEY  
☐ REVISED

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

## PHOTOGRAMMETRIC OFFICE

Atlantic Marine Center  
Norfolk, Virginia

## OFFICER-IN-CHARGE

Jeffrey G. Carlen, Cdr., NOAA

## LAST PRECEDING MAP EDITION

- TYPE OF SURVEY  
☐ ORIGINAL  
☐ RESURVEY  
☐ REVISED

JOB PH-  
MAP CLASS  
SURVEY DATES:  
19 TO 19

## I. INSTRUCTIONS DATED

## 1. OFFICE

Aerotriangulation Instr. Nov. 19,71  
Office Instr. Apr. 17,72  
Office Instr., Supplement 1 May 11,73  
Office Instr., Amendment 1 Not Dated

## 2. FIELD

Field Support Instr. May 03,71

## 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 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	PLANIMETRY BY CHECKED BY	S. Kumer L. O. Neterer	June 1973 June 1973
INSTRUMENT: Wild B-8 Stereoplotter	CONTOURS BY	N/A	
SCALE: 1:20,000	CHECKED BY	N/A	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	F. P. Margiotta	Jul. 1973
	CHECKED BY	R. R. White	Jul. 1973
METHOD: Smooth Drafted	CONTOURS BY	N/A	
	CHECKED BY	N/A	
SCALE: 1:20,000	HYDRO SUPPORT DATA BY	F. P. Margiotta	Jul. 1973
	CHECKED BY	R. R. White	Jul. 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R. R. White	Jul. 1973
6. APPLICATION OF FIELD EDIT DATA	BY	N/A	
	CHECKED BY	N/A	
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



TP-00299  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" (152.71mm F.L.) Wild RC-9 "M" (88.20mm F.L.)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Alaska	
				MERIDIAN	
				150th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71 E (C) 6671-6673	07/10/71	09:35	1:20,000	2.2 ft. Below MLLW	
71 E (C) 6745-6748	07/10/71	10:45	1:20,000	1.1 ft. Above MLLW	
71 E (C) 7342-7343	08/03/71	11:51	1:20,000	11.1 ft. Above MLLW	
71 E (C) 6663	07/10/71	09:21	1:20,000	3.0 ft. Below MLLW	
*71 E (C) 6717-6721	07/10/71	10:18	1:20,000	0.5 ft. Below MLLW	
71 E (C) 6378-6382	07/05/71	15:35	1:20,000	6.4 ft. Above MLLW	
71 E (C) 7305	08/03/71	11:15	1:20,000	11.0 ft. Above MLLW	
71 M (P) 326-329	08/03/71	08:58	1:60,000	7.6 ft. Above MLLW	

REMARKS \* A partial mean lower low water line was compiled through 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.

## 3. SOURCE OF MEAN LOWER LOW-WATER LINE:

The mean lower low water line delineated in Onion Bay was detailed from photographs 71 E (C) 6717 - 6721, dated July 10, 1971.

## 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	TP-00293	EAST	TP-00300	SOUTH	TP-00308	WEST	TP-00298
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REMARKS

TP-00299

## 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 L. L. Riggers	June 1971
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. L. Riggers	June 1971
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 type="checkbox"/> NO INVESTIGATION	
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

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
71M - 229	BAY, 1908		

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)

One form 152

NOAA FORM 76-36D (3-72)	U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TP-00299 <b>RECORD OF SURVEY USE</b>
----------------------------	--

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete pending field edit	7/73	Class III Manuscript	08/07/73	08/07/73
		Unreviewed Class III Manuscript to Charles Lewis N/CG2321		July 1984

II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1	Chart Letter #245 (1987)	Apr. 2, 1987	One non-floating aid for charts.

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. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS. 2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input type="checkbox"/> FORM NOS 567 SUBMITTED BY FIELD PARTIES. 3. <input type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:	4. <input type="checkbox"/> DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: <u>6/3/87</u>

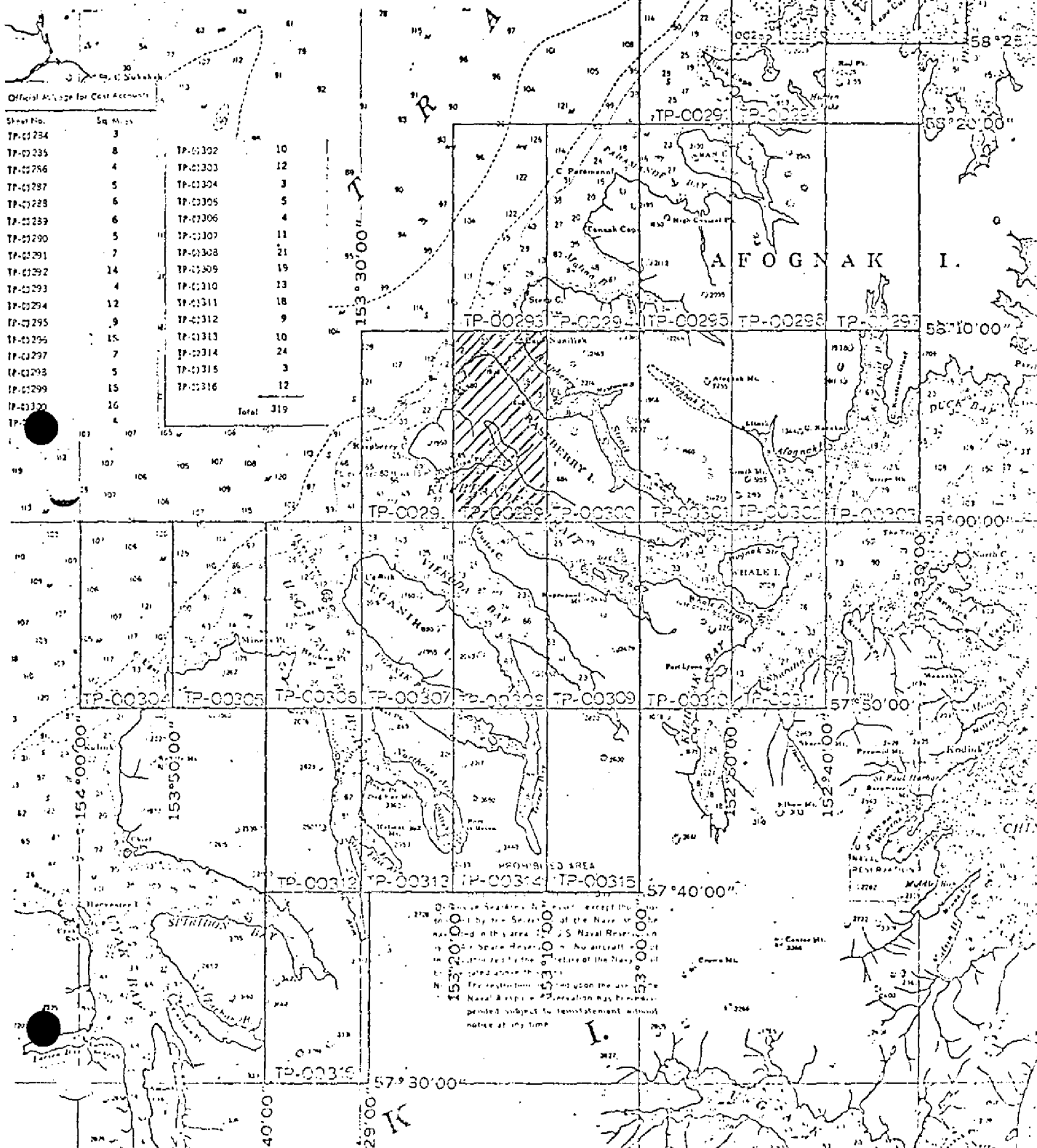
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)					
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY		
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY	
			MAP CLASS		
			<input type="checkbox"/> II.	<input type="checkbox"/> III.	<input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY		
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	<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
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY		
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	<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

JOB PH-7017

AFOGNAK & KODIAK ISLANDS  
ALASKA

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

Official Allotment for Court Accounts		
Sheet No.	Sq. Meters	
TP-01284	3	
TP-01285	8	TP-01302 10
TP-01286	4	TP-01303 12
TP-01287	5	TP-01304 3
TP-01288	5	TP-01305 5
TP-01289	6	TP-01306 4
TP-01290	5	TP-01307 11
TP-01291	7	TP-01308 21
TP-01292	14	TP-01309 19
TP-01293	4	TP-01310 13
TP-01294	12	TP-01311 18
TP-01295	9	TP-01312 9
TP-01296	15	TP-01313 10
TP-01297	7	TP-01314 24
TP-01298	5	TP-01315 3
TP-01299	15	TP-01316 12
TP-01300	16	
TP-01301	4	
		Total 319



## 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-00299

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

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

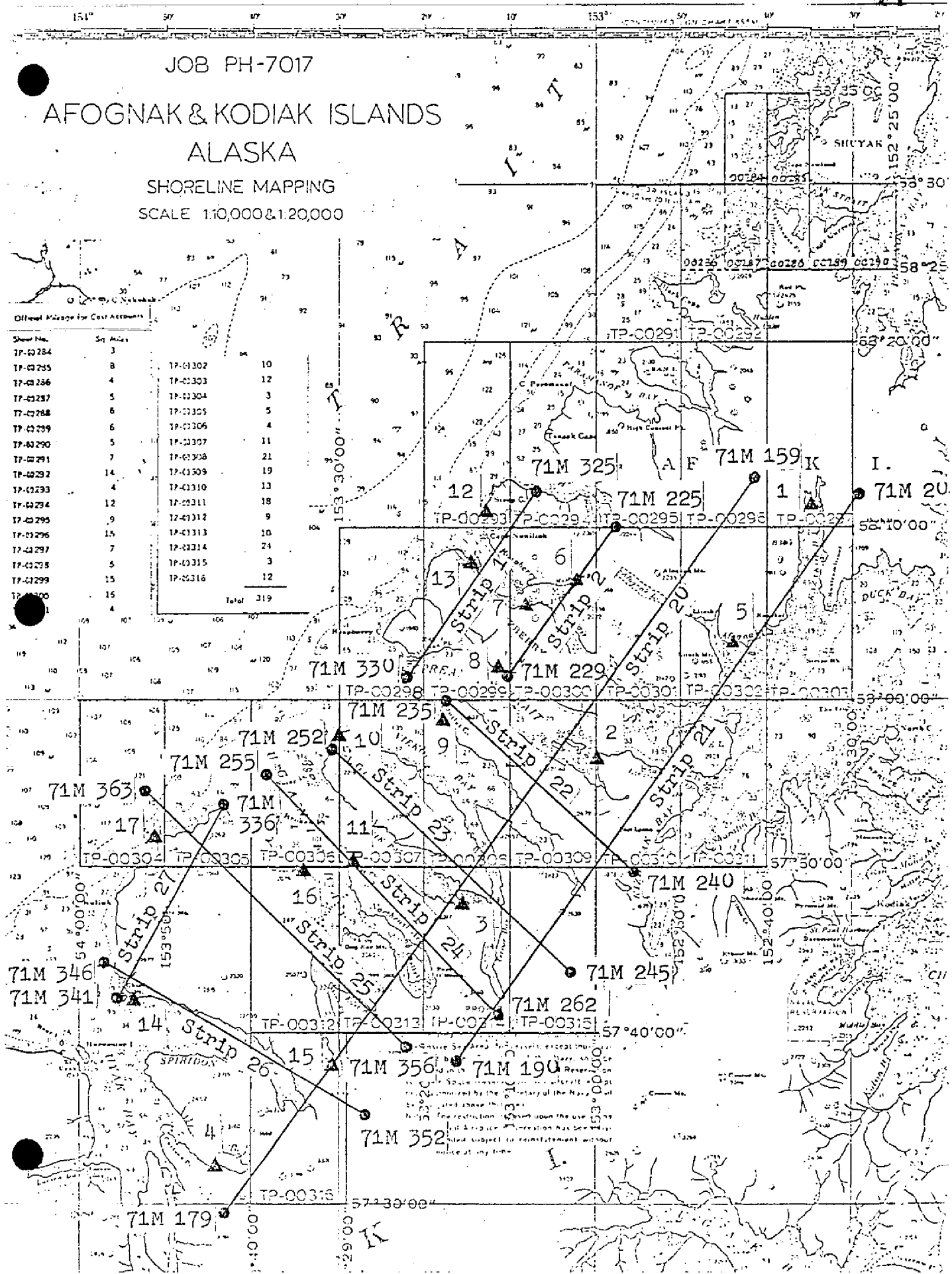
## AFOGNAK & KODIAK ISLANDS

### ALASKA

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

Offshore Merges for Cost Accounts

Sheet No.	Sq. Miles	
TP-0284	3	
TP-0285	8	TP-0302 10
TP-0286	4	TP-0303 12
TP-0287	5	TP-0304 3
TP-0288	6	TP-0305 5
TP-0289	6	TP-0306 4
TP-0290	5	TP-0307 11
TP-0291	7	TP-0308 21
TP-0292	14	TP-0309 19
TP-0293	4	TP-0310 13
TP-0294	12	TP-0311 18
TP-0295	9	TP-0312 9
TP-0296	15	TP-0313 10
TP-0297	7	TP-0314 24
TP-0298	5	TP-0315 3
TP-0299	15	TP-0316 12
TP-0300	15	
		Total 319



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS	
			STATE	ZONE		NA	1927	φ	λ	Division, Norfolk, Va.	Coastal Mapping	FORWARD	BACK
TP-00299													
	RIGHT, 1941	Quad 58153 Pg. #4				x=	φ	58 08	39.599			1225.2	( 631.2)
						y=	λ	153 15	30.007			490.9	( 490.6)
	LEFT, 1941	Quad 58153 Pg. 2				x=	φ	58 09	37.131			1148.8	( 707.6)
						y=	λ	153 13	17.861			292.1	( 689.0)
	EAGLE, 1941	Quad 58153 Pg. 1				x=	φ	58 06	44.922			1389.8	( 466.6)
						y=	λ	153 12	29.929			490.1	( 492.4)
	BOMB, 1941	Quad 58153 Pg. 1				x=	φ	58 05	53.905			1667.8	( 188.6)
						y=	λ	153 10	49.975			818.7	( 164.1)
	FINE, 1941	Quad 58153 Pg. 2				x=	φ	58 08	07.124			220.4	(1636.0)
						y=	λ	153 11	10.007			163.7	( 818.0)
	THUMB, 1908	Quad 58153 Pg. 4				x=	φ	58 04	09.332			288.7	(1567.6)
						y=	λ	153 19	29.905			490.3	493.4
	ENT, 1929	Quad 58153 Pg. 1				x=	φ	58 02	44.13			1365.3	( 491.0)
						y=	λ	153 14	26.96			442.3	( 542.0)
	ENTRANCE POINT, 1908	Quad 58153 Pg. 1				x=	φ	58 02	42.058			1301.2	( 555.1)
						y=	λ	153 14	56.430			925.8	( 58.5)
	BAY, 1908	Quad 58153 Pg. 1				x=	φ	58 01	47.850			1480.4	( 375.9)
						y=	λ	153 11	58.116			953.9	( 30.9)
	COVE POINT, 1908	Quad 58153 Pg. 1				x=	φ	58 01	43.290			1339.3	( 517.0)
						y=	λ	153 11	37.918			622.4	( 362.4)
COMPUTED BY			DATE	5/29/73		COMPUTATION CHECKED BY	C. Blood					DATE	5/30/73
LISTED BY	A. C. Rauck, Jr.		DATE			LISTING CHECKED BY						DATE	
HAND PLOTTING BY			DATE			HAND PLOTTING CHECKED BY						DATE	



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	
			CM-7017	NA		1927	STATE Alaska	ZONE	$\phi$ LATITUDE	$\lambda$ LONGITUDE	Division, Norfolk, Va.
TP-00299											
	SPEC, 1941	Quad 58153 Pg. 4				X=		$\phi$ 58 07 25.411		FORWARD	786.2 (1070.1)
						Y=		$\lambda$ 153 13 29.837		BACK	488.4 ( 493.7)
	OUTLET, 1929	Quad 58153 Pg. 3				X=		$\phi$ 58 00 04.857			150.3 (1706.0)
						Y=		$\lambda$ 153 17 28.837			473.7 ( 511.9)
	RASPBERRY STRAIT LIGHT, 1941	Quad 58153 Pg. 3				X=		$\phi$ 58 09 37.766			1168.4 ( 688.0)
						Y=		$\lambda$ 153 13 16.510			270.0 ( 711.2)
						X=		$\phi$			
						Y=		$\lambda$			
						X=		$\phi$			
						Y=		$\lambda$			
						X=		$\phi$			
						Y=		$\lambda$			
						X=		$\phi$			
						Y=		$\lambda$			
						X=		$\phi$			
						Y=		$\lambda$			
						X=		$\phi$			
						Y=		$\lambda$			
						X=		$\phi$			
						Y=		$\lambda$			
						X=		$\phi$			
						Y=		$\lambda$			
COMPUTED BY	A. C. Rauck, Jr.				DATE 5/29/73					COMPUTATION CHECKED BY	DATE 5/30/73
LISTED BY					DATE					LISTING CHECKED BY	DATE
HAND PLOTTING BY					DATE					HAND PLOTTING CHECKED BY	DATE

## COMPILATION REPORT

TP-00299

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. Using 1:60,000 scale M photography dated 1971. Photo coverage was adequate. No field inspection prior to compilation. The northwest tip of Raspberry Island was done graphically.

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:

A form 76-40 for 1 non-floating aids to navigation was not 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-4) ALASKA, scale 1:63,360, dated 1953.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey chart: C&GS 8534, scale 1:78,900, 5th edition, dated January 30, 1971 and C&GS 8556, scale 1:350,000, 4th edition, dated November 20, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

/s/

Frank P. Margiotta  
Cartographic Technician  
July 13, 1973

Approved:

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

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REVIEW REPORT  
TP-00299

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. Mean Lower Low Water Line

An approximate mean lower low water line was delineated within the confines of Onion Bay as it appears on this manuscript. The symbolized line was delineated through 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.

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.

Submitted by,

D. Butler  
Office Reviewer

James W. Massey  
J. Massey  
Final Reviewer

Approved by,

Lucy O. Robson  
Acting Chief, Photogrammetric Production Section

A. Y. Bryson CDR NOAA  
Chief, Photogrammetry Branch

Feb. 27, 1973

## GEOGRAPHIC NAMES

## FINAL NAMES SHEET

PH-7017 (Alaska)

TP-00299

Afognak Island  
Bukti Point  
Cape Nuniliak  
~~Chugach National Forest~~ gum  
Kupreanof Strait  
Laida Rocks  
Onion Bay  
Outlet Cape  
Raspberry Island  
Raspberry Strait  
Shelikof Strait  
Ustia Point ✓ gum

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, 6056 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

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input 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'	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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	<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions*</b> 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
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' EXAMPLE: Triang. Rec. 8-12-75 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS</b> are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

