

T-12670

T-12670

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline
Job No. PH-6409 Map No. T-12670
Classification No. III Edition No. 2

LOCALITY

State Alaska
General Locality Orca Inlet
Locality Egg Islands

1965 TO 19

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY <u>XR-T-12670</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB. PH. <u>6409</u>							
DESCRIPTIVE REPORT - DATA RECORD											
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		LAST PRECEDING 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 Office 8/18/65 10/11/65											
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) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE</td> <td style="width:50%;">ZONE</td> </tr> <tr> <td style="text-align: center;">Alaska</td> <td style="text-align: center;">3</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>			STATE	ZONE	Alaska	3	STATE	ZONE
STATE	ZONE										
Alaska	3										
STATE	ZONE										
5. SCALE 1:20,000											
III. HISTORY OF OFFICE OPERATIONS											
OPERATIONS		NAME		DATE							
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		BY <u>D. O. Norman</u> LANDMARKS AND AIDS BY		<u>Oct 1965</u>							
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coordinatograph</u>		PLOTTED BY <u>L. O. Neterer, Jr.</u> CHECKED BY <u>J. S. Place</u>		<u>Oct 1965</u> <u>Oct 1965</u>							
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Kelsh</u> SCALE: <u>1:8,000</u>		PLANIMETRY BY <u>J. S. Place</u> CHECKED BY <u>L. O. Neterer, Jr.</u> CONTOURS BY <u>NA</u> CHECKED BY <u>NA</u>		<u>Dec 1965</u> <u>Dec 1965</u>							
4. MANUSCRIPT DELINEATION METHOD: <u>smooth drafted</u> SCALE: <u>1:20,000</u>		PLANIMETRY BY <u>J. S. Place</u> CHECKED BY <u>C. H. Bishop</u> CONTOURS BY <u>NA</u> CHECKED BY <u>NA</u>		<u>Dec 1965</u> <u>May 1966</u>							
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY <u>C. H. Bishop</u>		<u>May 1966</u>							
6. APPLICATION OF FIELD EDIT DATA		BY <u>Cancelled</u>									
7. COMPILATION SECTION REVIEW		BY									
8. FINAL REVIEW		BY <u>A. L. Shands</u>		<u>Apr 1977</u>							
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY <u>A. L. Shands</u>		<u>May 1977</u>							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY <u>J. B. Phillips</u>		<u>June 1977</u>							
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY <u>R. T. CATDP</u>		<u>AUG 1977</u>							

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12670
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC 8 "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Alaska	☒ STANDARD
				MERIDIAN 150th	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
65L(I)3684-3687	5/05/65	09:08	1:40,000	0.8 ft. below MLLW	
65L(I)3700-3702	5/05/65	13:13	1:40,000	7.9 ft. above MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation of the above listed photography.

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

Office interpretation of the above listed photography.

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
T-12669	No Survey	No Survey	No Survey

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

T-12670

HISTORY OF FIELD OPERATIONS

1. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. B. Watkins, Jr.	Jun 1965
2. HORIZONTAL CONTROL	RECOVERED BY R. B. Melby	Jun 1965
	ESTABLISHED BY R. B. Melby	Jun 1965
	PRE-MARKED OR IDENTIFIED BY R. B. Melby	Jun 1965
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 R. B. Melby	Jun 1965
	IDENTIFIED BY R. B. Melby	Jun 1965
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	☐ COMPLETE BY	
	☐ SPECIFIC NAMES ONLY	
	☒ 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
65M(P)021	EGG ISLAND LIGHT, 1965		

3. PHOTO NUMBERS (Clarification of details)	None
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED	

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
65M(P)021	EGG ISLAND LIGHT, 1965		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

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

1 Form 152 Control Station Identification

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

T-12670

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Alongshore area for hydro	5/66	Class III		
Final Review	4/77		7/28/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1			Nonfloating Aids

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

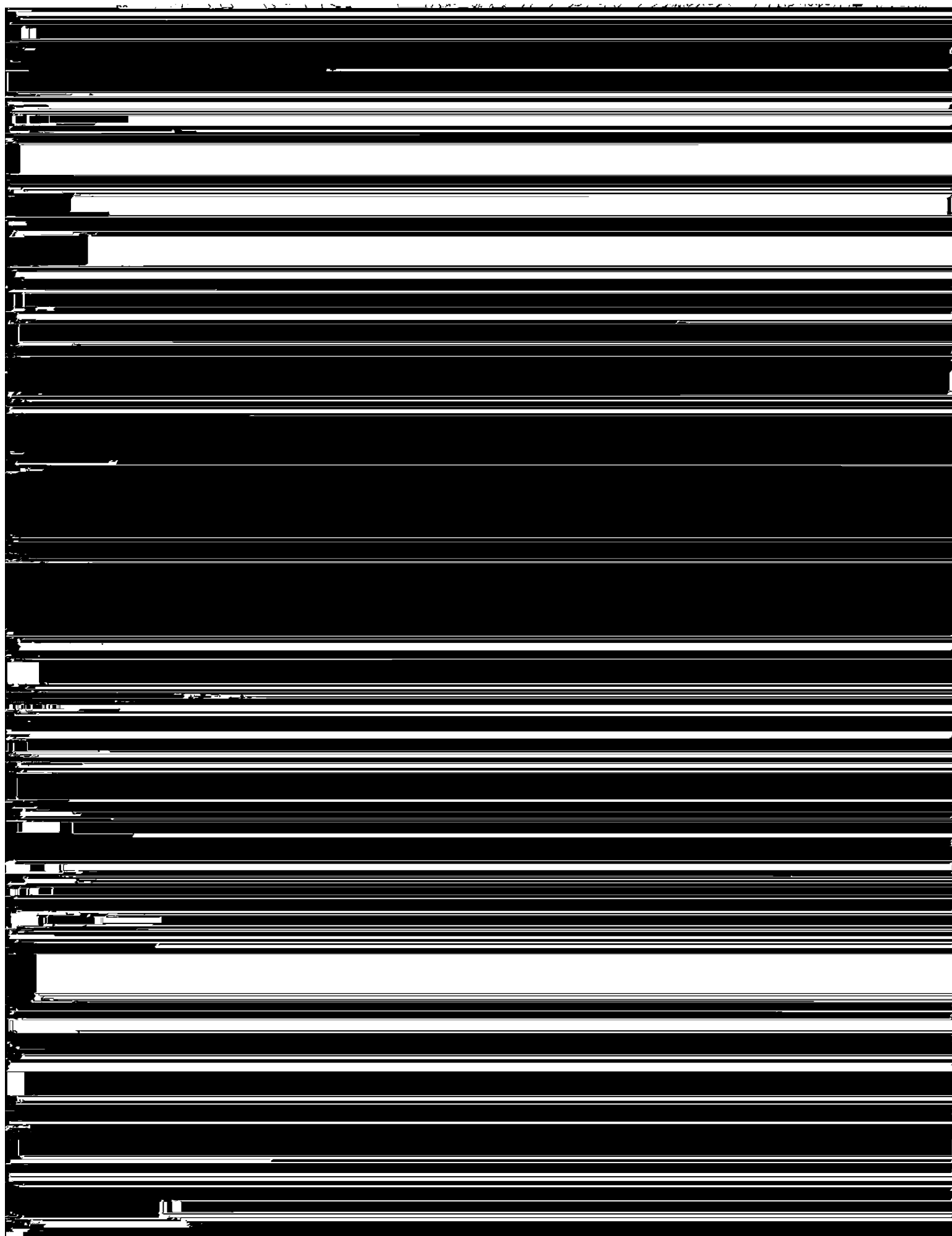
III. FEDERAL RECORDS CENTER DATA

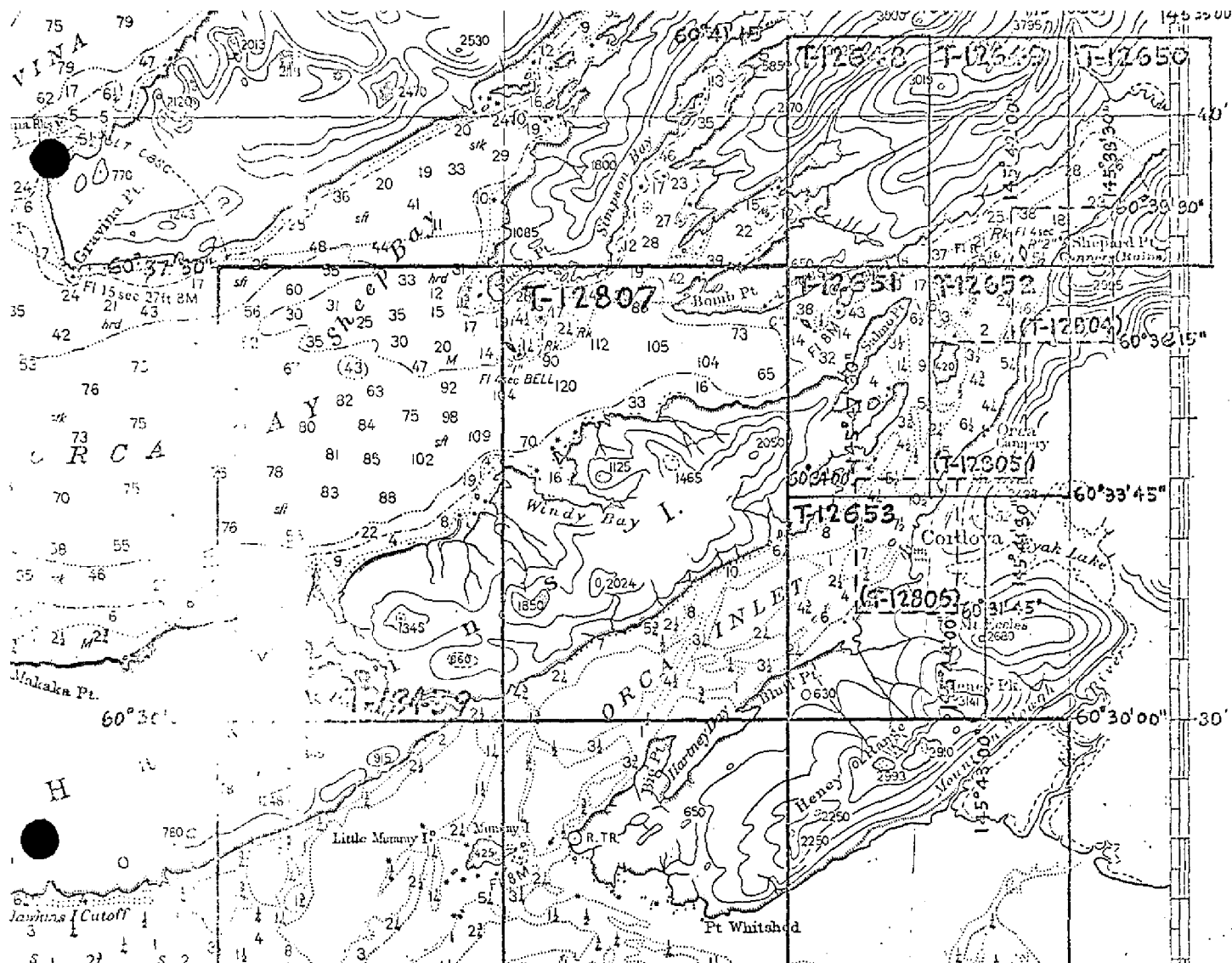
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM ~~76-40~~ ⁷⁶⁻⁴⁰ SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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





SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

T-12807, T-12439, T-12667 through T-12670

Shoreline Maps T-12807, T-12439, and T-12667 through T-12670 are all 1:20,000 scale maps, $7\frac{1}{2}$ minutes in latitude and 10 minutes in longitude, covering the southwest portion of Project PH-6409, Orca Inlet, Alaska. The purpose of these maps was to provide hydro support and to furnish shoreline for nautical chart construction.

As stipulated in the instructions, compilation was by Kelsh and graphic methods, using tide coordinated infrared photography taken at near and below MLLW and near MHW.

The area covered by these maps was severely affected by the 1964 earthquake. A general uplift resulted. Because of the very wide expanse of mud and sand tidal flats which exist, it is logical to expect new shorelines to have been created. However, many such shorelines may have gone undetected or been misidentified on the infrared photography because of rain which dominates weather conditions of the area. Also, in May, the date of photography, there is a constant runoff from melting snow. This also serves to keep the ground wet. The newness of the shoreline (14 months since the earthquake) might mean that a sufficiently distinguishable berm line would not have had time to develop. These factors may have combined to make new shoreline created since the earthquake unidentifiable on the infrared photography taken at 7.9 to 8.2 feet above MLLW. MHW is 11.5 feet at Cordova. The shoreline shown is from office interpretation without field confirmation.

Field work preceeding compilation consisted of the recovery, identification and establishment of horizontal control necessary for bridging. There was no clarification of details.

Except for T-12807, which was partially edited in 1965, none of these maps was field edited.

Final review was done at AMC in March and April of 1977.

FIELD INSPECTION

T-12670

There was no field inspection prior to compilation.

Photogrammetric Plot Report
Orca Inlet, Alaska
PH-6409
October 1965

21. Area Covered

This report pertains to the area of Orca Inlet, Alaska. The sheets covered are T-12667, T-12668, T-12669, T-12670, and parts of T-12439 and T-12807.

22. Method

Four strips were bridged by analytic aerotriangulation methods. Common points were transferred from Strips #1 and #2 (1:60,000 scale) to infrared photography (1:40,000 scale) which is to be used by compilation. These points are 150 micron drill holes on the infrared photography.

Strips #3 and #4 (1:40,000 scale) are infrared photography to be used by compilation. Plane coordinates for Alaska, Zone 3, have been furnished.

23. Adequacy of Control

The control was adequate. Most of the control consisted of premarked stations; however, three stations were used that had been identified on a previous survey in the area. Two office identified control stations were also used.

Strip #3 was adjusted in part on tie points from Strip #4.

SKY 2, 1965 (temp.), a premarked station, could not be held in the adjustment. The discrepancy of this station is 78 feet in X and 310 feet in Y. It is obvious that the object identified as the target was not the target and that the target is not visible on the photography. The lack of fit by this station will in no way affect the accuracy of the manuscripts.

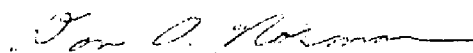
24. Supplemental Data

Approximate elevations were taken from USGS topographic quadrangles to satisfy vertical requirements for the horizontal-vertical strip adjustment program.

25. Photography

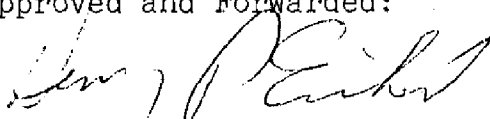
The photography was adequate.

Respectfully submitted:



Don O. Norman

Approved and Forwarded:



Henry P. Eichert
Acting Chief, Aerotriangulation
Section

AEROTRIANGULATION
Fit to Control
Orca Inlet
(Closures are shown in feet)

Strip #1

GLACIER, 1965 (temp)	0.0	0.0
SKY 2, 1965 (temp)	-78.4	-310.0
WHITSHED, 1916	+ 1.2	+ 2.2
substation	0.0	+ 0.2
MUMMY ISLAND LIGHT, 1964	+ 1.6	+ 4.0
PINNACLE ROCK, 1899 (office ident.)	0.0	- 0.3
GIRL, 1899 RM#1	+ 1.4	- 2.7
DAVE, 1899	0.0	0.0

Strip #2

DAVE, 1899	- 0.1	+ 1.1
GIRL, 1899 RM#1	+ 0.6	- 3.6
WHITSHED, 1916	not visible	
substation	+ 1.0	+ 3.0
EGG ISLAND LIGHT, 1965	- 1.0	- 2.3
substation	- 4.4	+ 0.7
SKY 2, 1965 (temp)	not visible	
GLACIER, 1965 (temp)	- 0.6	+ 0.6

Strip #3

DAVE, 1899	- 0.5	+ 1.2
69403 tie point from Strip #4	+ 0.8	- 1.6
67402 tie point from Strip #4	+ 0.6	- 2.3
65403 tie point from Strip #4	- 1.3	+ 3.8
ORCA CANNERY S. BLDG. W. GABLE, 1955	+ 0.4	- 1.4

Strip #4

CORDOVA BOAT HARBOR LIGHT 2, 1964	+0.7	- 0.7
CORDOVA LIGHT #1, 1964 (office ident.)	+ 0.3	- 0.7
TRAVEL 2, 1964		
substation "A"	- 1.3	+ 1.3
substation "B"	- 2.9	+ 6.0
MUMMY ISLAND LIGHT, 1964	+ 0.4	+ 11.1
PINNACLE ROCK, 1899 (office ident.)	+ 0.8	- 1.9
GIRL, 1899 RM#1	- 0.2	+ 1.0

Tie points between Strips #1 & #2

02401	+0.3	+0.7
02402	0.0	-0.6
03401	-3.4	-1.1
03402	+1.5	-0.1
04401	-1.3	+0.9
04402	-3.3	-2.8
05401	-2.9	-2.4
05402	-0.6	-3.7
06401	-0.1	-7.1
06402	+1.3	-4.3
07401	+5.7	-6.5
07402	+6.7	+0.1
08401	+2.4	-2.0
08402	+1.6	-3.1
09401	+2.2	-0.4
09402	-0.6	-1.5
10401	-1.2	-6.1

Tie points between Strips #3 & #4

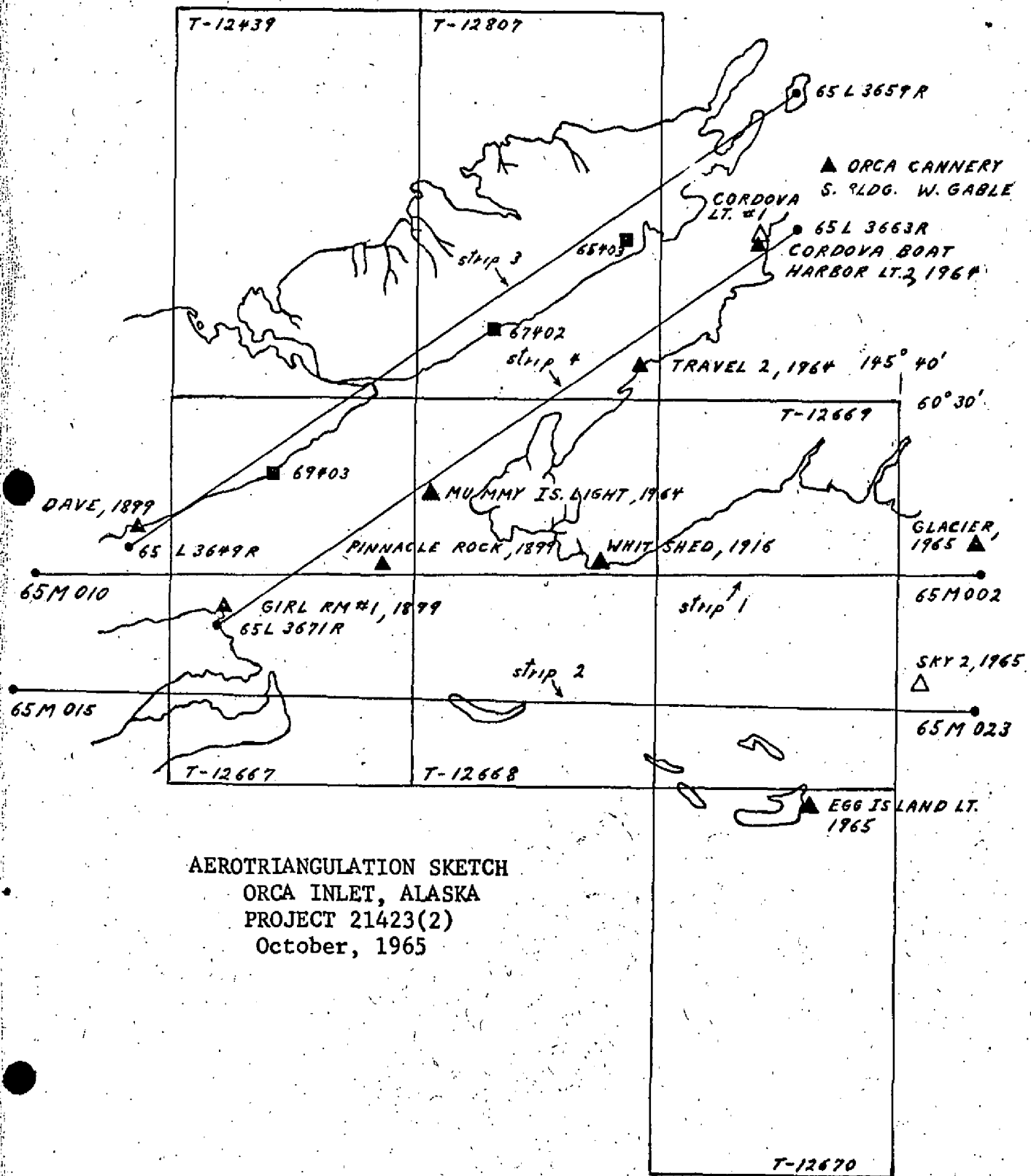
70401	+2.5	-4.6
70402	+2.3	-5.0
69401	+0.7	-3.2
69402	-1.0	-4.2
68401	-1.4	-0.6
68402	-0.3	-1.1
68403	-2.0	-0.2
67401	-0.2	-4.2
67403	+0.6	-2.3
66401	-0.9	-1.1
66402	-1.8	+0.1
65401	+0.8	+1.2
65402	-0.8	+3.4
64401	-0.6	+4.5
64402	-0.1	+2.0

Tie points between Strips #1 & #3

50401	+4.3	-5.1
50402	+7.3	-9.0
69403	+7.1	-8.8

Tie points between Strips #1 & #4

67404	+3.2	-4.2
67405	+5.3	-2.7
71401	+2.4	-1.3
71402	+0.1	+1.4



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	T-12670	JOB NO.	PH-6409	GEODETIC DATUM	NA	1927	ORIGINATING ACTIVITY	Coastal Mapping Division, AMC, Norfolk, VA	REMARKS
STATION NAME		SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE		FORWARD		BACK
EGG ISLAND LIGHT, 1965				X=	ϕ	60 22 11.7085	362.3	(1494.7)	
				Y=	λ	145 44 21.2843	326.2	(593.4)	
				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	Albert C. Rauck, Jr.		DATE	COMPUTATION CHECKED BY			DATE	4/11/77	
LISTED BY			DATE	LISTING CHECKED BY			DATE		
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY			DATE		

COMPILATION REPORT

T-12670

31. DELINEATION:

Compilation of the approximate mean lower low water line was done with the Kelsh. Compilation of the mean high water line shoal and shallow lines was done graphically. There was no field inspection.

32. CONTROL:

See Photogrammetric Plot Report dated October 1965.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline and all alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

There is one nonfloating aid within the limits of this manuscript.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36B, Item 5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

41. CHANNEL AND SHOAL LINES:

Bottom features which were altered by the 1964 earthquake were delineated graphically using the lowest state of tide photography.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quadrangle CORDOVA (B-5), ALASKA, dated 1951, 1:63,360 scale.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8520, 1:80,000 scale, 12th Edition, dated July 20, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

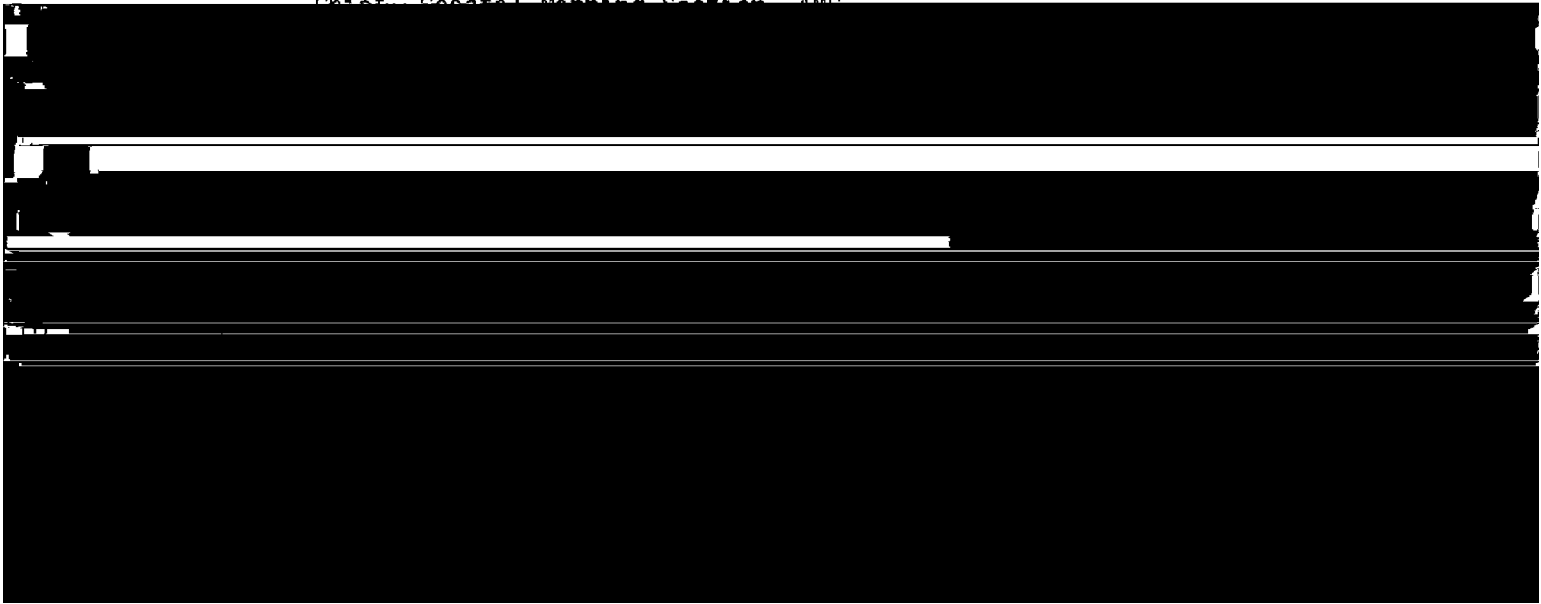
Arnold L. Shand
for

John S. Place
Cartographer

Approved:

Albert C. Rauck, Jr.

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



T-12670

48. GEOGRAPHIC NAMES LIST:

Egg Islands
Egg Island Channel
Gulf of Alaska

NOTE: The names listed here were provided by the Staff Geographer on USGS Quadrangle CORDOVA (B-5), ALASKA, dated 1951.

NOAA FORM 75-74 (2-74)		T-12670		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW TXH0361					
1. PROJECTION AND GRIDS CHB		2. TITLE CHB		3. MANUSCRIPT NUMBERS CHB	
4. MANUSCRIPT SIZE CHB					
CONTROL STATIONS					
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) None		7. PHOTO HYDRO STATIONS None	
8. BENCH MARKS None		9. PLOTTING OF SEXTANT FIXES None		10. PHOTOGRAMMETRIC PLOT REPORT Washington Office	
11. DETAIL POINTS None					
ALONGSHORE AREAS (Nautical Chart Data)					
12. SHORELINE CHB		13. LOW-WATER LINE CHB		14. ROCKS, SHOALS, ETC. CHB	
15. BRIDGES None		16. AIDS TO NAVIGATION CHB		17. LANDMARKS None	
18. OTHER ALONGSHORE PHYSICAL FEATURES None		19. OTHER ALONGSHORE CULTURAL FEATURES None		20. OTHER ALONGSHORE CULTURAL FEATURES None	
PHYSICAL FEATURES					
20. WATER FEATURES CHB		21. NATURAL GROUND COVER CHB		22. PLANETABLE CONTOURS None	
23. STEREOSCOPIC INSTRUMENT CONTOURS None		24. CONTOURS IN GENERAL None		25. SPOT ELEVATIONS None	
26. OTHER PHYSICAL FEATURES None		27. ROADS None		28. BUILDINGS None	
29. RAILROADS None		30. OTHER CULTURAL FEATURES None		31. BOUNDARY LINES None	
32. PUBLIC LAND LINES None					
MISCELLANEOUS					
33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB	
36. DISCREPANCY OVERLAY None		37. DESCRIPTIVE REPORT JSP		38. FIELD INSPECTION PHOTOGRAPHS None	
39. FORMS CHB		40. REVIEWER Charles H. Bishop C. H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. Albert C. Rauck, Jr.	
41. REMARKS (See attached sheet)					
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT					
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.					
COMPILER			SUPERVISOR		
43. REMARKS This map not field edited.					

[illegible]

REVIEW REPORT

T-12670

SHORELINE

April 8, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report. A comparison print showing the differences noted in Paragraphs 63 and 65 is submitted with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with Registered Survey 3670, 1:20,000 scale, dated 1916. Differences in the positions of the Egg Islands are attributed to time and advancements in mapping techniques, methods, and equipment.

T-12670 supersedes the above mentioned survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle CORDOVA (B-5), ALASKA, 1:63,360 scale, dated 1951, with minor revisions in 1963. Major differences were noted in the configuration and placement of the Egg Islands. These differences are a reflection of the cumulative effects of the natural forces of wind, waves, and the 1964 earthquake acting on the area.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey of the area was conducted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8520, 1:80,000 scale, 13th Edition, dated March 7, 1966. As noted in Paragraph 63, major differences, due to the natural forces at work in the area, were noted in the placement and configuration of the Egg Islands. A difference was also noted in the position of Egg Island Light. These differences are shown on the comparison print in red pencil.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

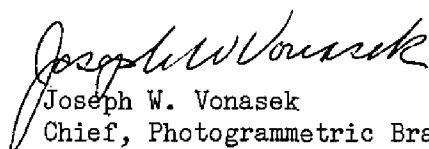
This map was not field edited. Except for this fact, it complies with the Project Instructions and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:



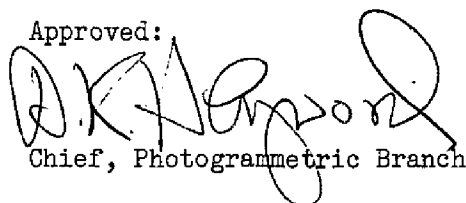
A. L. Shands
Final Reviewer

Approved for forwarding:

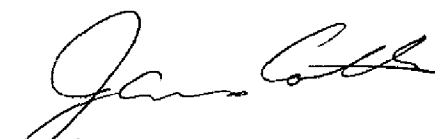


Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

COMPARISON PRINT
T-12670

Brown = U.S.G.S Quad
Red = Chart 8520
Blue = Reg Topo 3670

Note: S.L. on topo is coincident
with that on chart 8520

Differences in
S.L. noted

Egg Island Lt in
different position

