

T-12668

T-12668

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-12668
Classification No. III Edition No. F.....

LOCALITY

State Alaska
General Locality Orca Inlet
Locality Hartney Bay.....

1965 TO 19

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		SURVEY NO. T-12668 MAP EDITION NO. (1) MAP CLASS III JOB PH. 6409	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> 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: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic		4. GRID(S) STATE Alaska ZONE 3	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS.			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		D. O. Norman	10/65
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coordinatograph CHECKED BY		L. O. Neterer	10/65
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Kelsh SCALE: 1:8,000 CONTOURS BY CHECKED BY		J. S. Place J. S. Place L. O. Neterer NA NA	10/65 10/65 12/65 12/65
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY METHOD: Smooth Drafted SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		J. S. Place C. H. Bishop NA NA J. S. Place C. H. Bishop	12/65 4/66 4/66 4/66
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		C. H. Bishop	4/66
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		Cancelled	
7. COMPILATION SECTION REVIEW BY			
8. FINAL REVIEW BY		A. L. Shands	3/77
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. L. Shands	5/77
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		J. B. Phillips	6/77
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. T. CATER	8/77

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12668
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8"L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Alaska	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 150th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
65L(I)3593 - 3595	5/17/65	07:15	1:40,000	2.6 ft. below MLLW	
65L(I)3572 - 3574	5/17/65	07:15	1:40,000	2.6 ft. below MLLW	
65L(I)3610 - 3612	5/17/65	07:27	1:40,000	2.6 ft. below MLLW	
65L(I)3629 - 3631	5/17/65	08:28	1:40,000	1.7 ft. below MLLW	
65L(I)3667 - 3668	5/17/65	08:59	1:40,000	1.0 ft. below MLLW	
65L(I)3697 - 3699	5/17/65	13:13	1:40,000	7.9 ft. above MLLW	
65L(I)3714 - 3716	5/17/65	13:24	1:40,000	8.2 ft. above MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

Mean high water line compiled from office interpretation of the above listed photographs.

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

Mean lower low water line compiled from office interpretation of the above listed photographs.

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-12807	T-12669	No Survey	T-12667

REMARKS

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

T-12668

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. D. Watkins, Jr.	Jun 1965
2. HORIZONTAL CONTROL	RECOVERED BY R. B. Melby	Jun 1965
	ESTABLISHED BY None	
	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 R. B. Melby	Jun 1965
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY R. B. Melby	Jun 1965
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" 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
65M(P)007	MUMMY ISLAND LIGHT, 1964		
65M(P)006	WHITSHED, 1916		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
65M(P)007	MUMMY ISLAND LIGHT, 1964		

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)

2 Form 152 Control Station Identification

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONT-12668
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Alongshore area for hydro compiled.	4/66	Class III		
Final Review	3/77		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			Landmark to be charted.
1			Fixed aid to be charted.

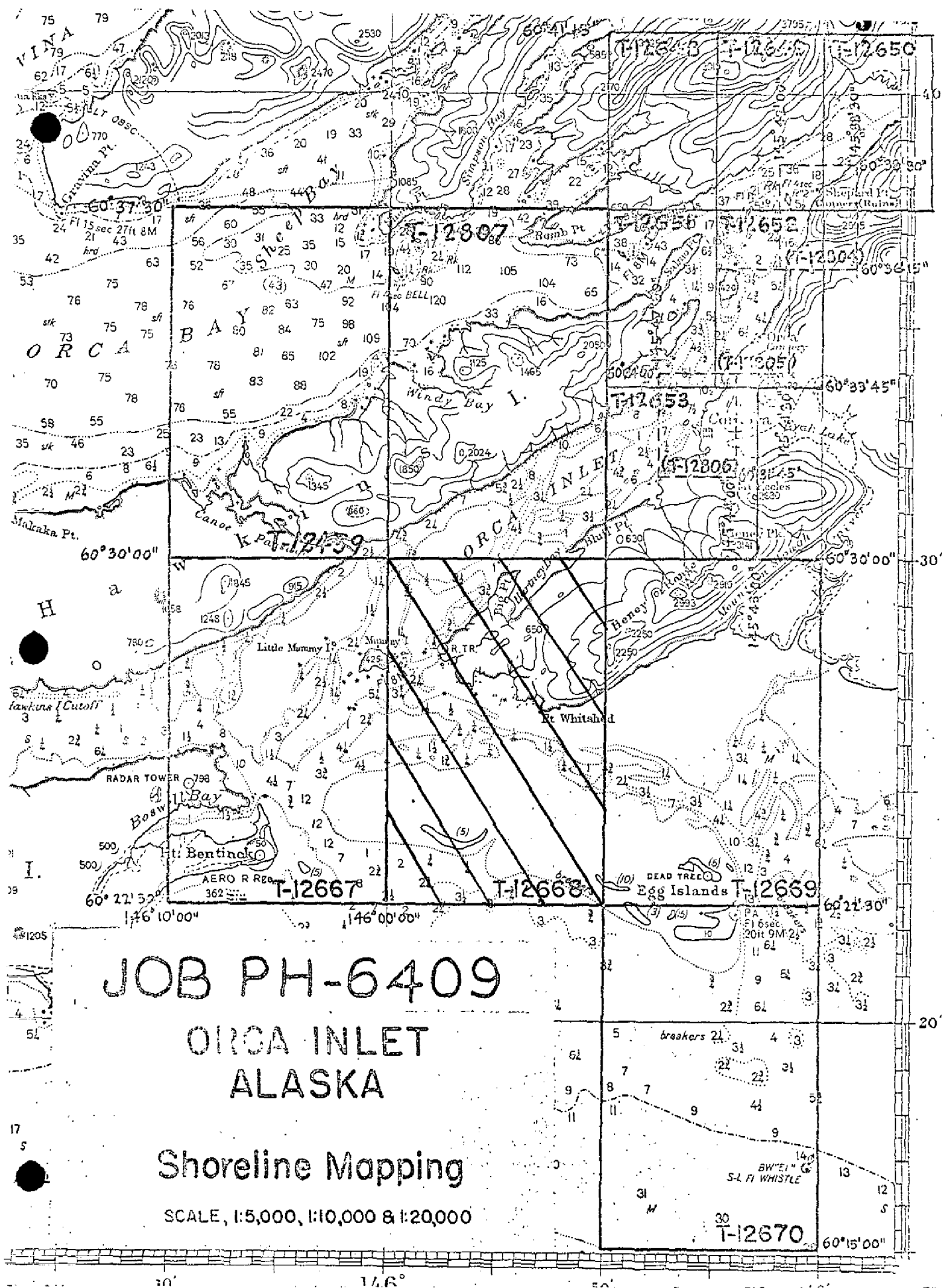
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: None3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: None

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM 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 <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 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

T12668

Field work prior to compilation was limited to the recovery and identification of horizontal control necessary for bridging.

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.

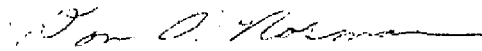
24. Supplemental Data

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

25. Photography

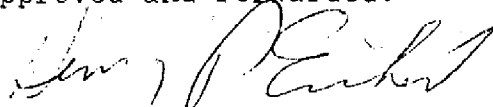
The photography was adequate.

Respectfully submitted:



Don O. Norman

Approved and Forwarded:



Henry P. Eichert
Acting Chief, Aerotriangulation
Section

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

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

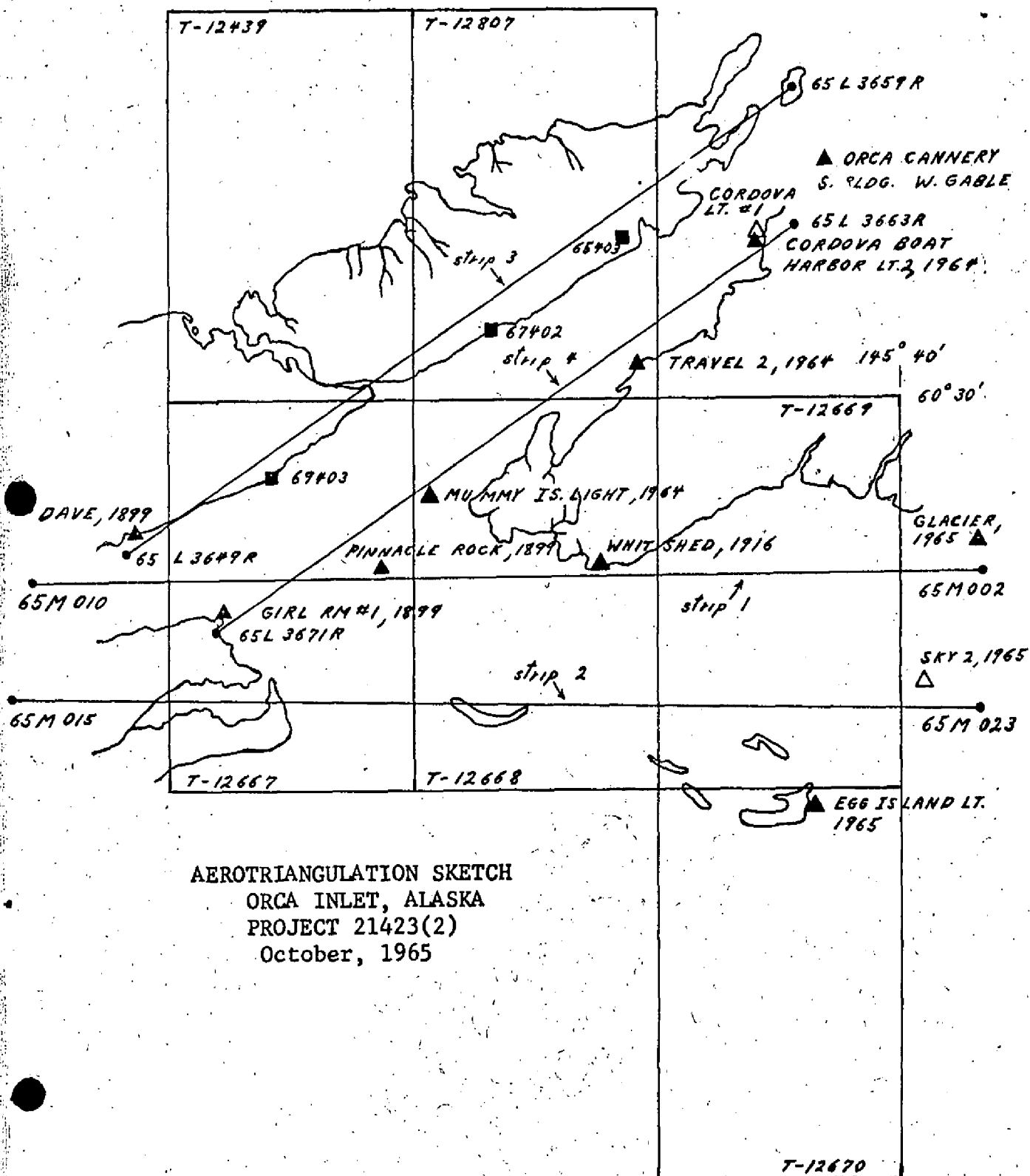
DAVE, 1899	- 0.1	+ 1.1
GIRL, 1899 RM#1	+ 0.6	- 3.6
WHITSHED, 1916		not visible
substation	+ 1.0	+ 3.0
EGG ISLAND LIGHT, 1965	- 1.0	- 2.3
substation	- 4.4	+ 0.7
SKY 2, 1965 (temp)		not visible
GLACIER, 1965 (temp)	- 0.6	+ 0.6

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



AEROTRIANGULATION SKETCH
 ORCA INLET, ALASKA
 PROJECT 21423(2)
 October, 1965

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	PH-6409	GEODETIC DATUM	NA	1927	ORIGINATING ACTIVITY	Coastal Mapping Division, AMC, Norfolk, VA
		SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 3	φ	λ	φ LATITUDE λ LONGITUDE	REMARKS FORWARD BACK
TRADE, 1899		G.P. Vol 6 P. 202		X=	φ	60 29	41.120	1272.7 (584.4)
				Y=	λ	145 54	43.779	668.5 (247.6)
CAMP, 1899		G.P. Vol 6 P. 203		X=	φ	60 28	00.073	02.3 (1854.7)
				Y=	λ	145 57	05.325	81.4 (835.5)
PEAK NO. 1, 1898		G.P. Vol 6 P. 204		X=	φ	60 27	29.53	914.0 (943.0)
				Y=	λ	145 51	21.96	335.7 (581.4)
POINT WHITSHED, NORTH RADIO MAST, 1916		G.P. Vol 6 P. 248		X=	φ	60 28	03.481	107.8 (1749.2)
				Y=	λ	145. 57	26.735	408.6 (508.3)
WHITSHED, 1916		G.P. Vol 6 P. 246		X=	φ	60 26	42.300	1309.2 (547.8)
				Y=	λ	145 52	58.067	888.0 (29.5)
MUMMY ISLAND LIGHT, 1964		Field Comp.		X=	φ	60 27	45.775	1416.8 (440.2)
				Y=	λ	145 59	20.159	308.1 (608.9)
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
COMPUTED BY A. C. Rauck, Jr.				DATE 3/17/77	COMPUTATION CHECKED BY D. Butler			DATE 3/17/77
LISTED BY				DATE	LISTING CHECKED BY			DATE
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY			DATE

COMPILATION REPORT

T-12668

31. DELINEATION:

Models were set on the Kelsh stereoplotter using photography taken when the stage of tide was near mean lower low water. Details, except for the mean high water line, were compiled from the Kelsh models. The mean high water line was compiled graphically using photography taken near mean high water.

All photography used in compilation is black and white infrared flown at 1:40,000 scale. It was adequate in coverage.

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:

One fixed aid to navigation (Mummy Island Light) and a landmark (Radio Tower) are within the area covered by this sheet.

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 configurations brought about by the March 1964 earthquake were delineated as channel and shoal lines from the lowest stage of tide photography.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with USGS Quadrangles CORDOVA (B-5) and CORDOVA (B-6), ALASKA, scale 1:63,360, dated 1951 and 1953, respectively.

47. COMPARISON WITH NAUTICAL CHARTS:

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

G. S. Place
for

John S. Place
Cartographer

Approved:

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

T-12668

48. GEOGRAPHIC NAMES LIST:

Big Point
Egg Islands
Gravel Point
Government Rock
Gulf of Alaska
Hartney Bay
Mummy Island
Orca Inlet
Point Whitshed
Shag Rock
Twin Rocks
Whitshed

NOTE: Names on this list were provided by the Staff Geographer on
USGS Quads CORDOVA (B-5 and B-6), dated 1951 and 1953, respectively.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363

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) CHB		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 CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS None	26. OTHER PHYSICAL FEATURES None
CULTURAL FEATURES			
27. ROADS None	28. BUILDINGS CHB	29. RAILROADS None	30. OTHER CULTURAL FEATURES None
BOUNDARIES			
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.			

Replaces C&GS Form 567.

NONFEATHERING AIDS FOR CHARTS

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

ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☐ COMPILATION ACTIVITY
☒ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

REPORTING UNIT (If field party, ship or office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC, Norfolk, VA	Alaska	Orca Inlet	4/13/77

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM	METHOD AND DATA (See instructions)
	PH-6409	T-12668	NA 1927	POSITION

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE		LONGITUDE		OFFICE	
		°	'	°	'		
							D.M. Meters
NORTH RADIO TOWER	POINT WHITSHED, NORTH RADIO MAST, 1916	60	28	03.481	145 57	26.735	408.6

[illegible]

NOTE: Tower not identified on photos. The geodetic position is reported here.

A. L. Shands, Final Reviewer

[illegible]

REVIEW REPORT

T-12668

SHORELINE

March 20, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report. A comparison print showing the differences noted in Paragraphs 62, 63 and 65 is submitted with the original of this report.

The landmark tower charted at Whiteshed is not visible on the photographs. Since there was no field edit, its existence was not field verified and no 76-40 is submitted for it.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Registered Surveys 3642 and 3670, each 1:20,000 scale, dated 1916. Two piers shown at Whiteshed on Survey 3642 are not visible on the photos. Other shoreline differences are shown on the comparison print in blue pencil.

In the area compared, T-12668 supersedes Surveys 3642 and 3670 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangles CORDOVA (B-5) and (B-6), ALASKA, each 1:24,000 scale, dated 1951 and 1953, respectively. The Egg Islands are very low sand islands. Their positions are altered by tide and wind action. This accounts for the differences noted in position and configuration of the islands between the two maps. These differences are shown on the comparison print in blue pencil.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey of the area bounded by the limits of this map was conducted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8520, 1:80,000 scale, dated March 7, 1966. The configuration and positions of the Egg Islands is considerably different on the photos than that shown on the chart. The charted positions are shown on the comparison print in red pencil.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

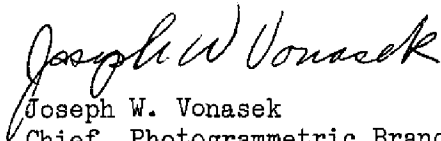
This map complies with the Project Instructions, except it was not field edited. It meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:



A. L. Shands
Final Reviewer

Approved for forwarding:

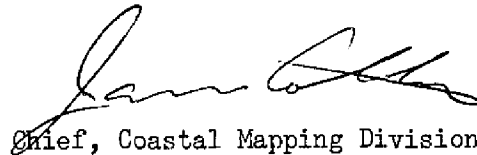


Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

Sand Flats

24'

COMPARISON PRINT

T-12668

Brown = U.S.G.S. Quad.

Red = Chart 8520

Blue = Topo 3670

S.L. differences
noted.

S.L.

23'

Y = 2,330,000 FT.

60° 22' 30"

145° 50' 00"

X = 530,000 FT

NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT

T-12668

ALASKA

ORCA INLET

HARTNEY BAY

SCALE 1:20,000

(1 inch = 1666.7 ft)

CONTROL DATA

Polyconic Projection. 1927 North American datum
10,000ft grid based on Alaska (zone 3) plane
coordinate system.

Datum Plane: Mean High Water

T-12668

COMPARISON PRINT
T-12668

Brown = U.S.G.S. Quad

Red = Chart 8520

Blue = Topo 3670

Sand Flats

E

G

G

sand

65L(1)3697

S.L. differences
noted

sand

sand

shoal

GULF

65L(W) 3610

O F

shoal

A L A

5 9'

5 8'

5 7'

5 6'

5 5'

X = 510,000 FT. (No Contemporary Survey)

