

T-12807

T-12807

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-12807....

Classification No. III Edition No. ... III.....  
\* partial field edit in 1965

### LOCALITY

State ..... Alaska.....

General Locality ..... Orca Inlet.....

Locality ..... Windy Bay.....

1964 TO 1965 \*

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																									
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED																	
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<input type="checkbox"/> REVISED																											
PHOTOGRAMMETRIC OFFICE  Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE  Jeffrey G. Carlen, Cdr.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY <b>IR. T-12807</b></td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS <b>III</b></td> </tr> <tr> <td colspan="2">JOB PH. <b>6409</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td colspan="2">JOB PH. _____</td> </tr> <tr> <td colspan="2">MAP CLASS _____</td> </tr> <tr> <td colspan="2">SURVEY DATES: 19__ TO 19__</td> </tr> </table>		SURVEY <b>IR. T-12807</b>		MAP EDITION NO. (1)		MAP CLASS <b>III</b>		JOB PH. <b>6409</b>		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__	
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SURVEY DATES: 19__ TO 19__																											
<b>I. INSTRUCTIONS DATED</b>																											
1. OFFICE		2. FIELD																									
Aerotriangulation Office		8/18/65 10/11/65																									
<b>II. DATUMS</b>																											
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																									
<b>III. HISTORY OF OFFICE OPERATIONS</b>																											
OPERATIONS		NAME	DATE																								
1. AEROTRIANGULATION METHOD: Analytic BY LANDMARKS AND AIDS BY		D. O. Norman	10/65																								
2. CONTROL AND BRIDGE POINTS METHOD: Coordinatograph PLOTTED BY CHECKED BY		L. O. Neterer	10/65																								
		J. S. Place	10/65																								
3. STEREOSCOPIC INSTRUMENT COMPILATION PLANIMETRY BY CHECKED BY		L. O. Neterer	12/65																								
INSTRUMENT: Kelsh SCALE: 1:8,000 CONTOURS BY CHECKED BY		C. H. Bishop	12/65																								
		NA																									
		NA																									
4. MANUSCRIPT DELINEATION METHOD: Smooth Drafted SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		L. O. Neterer	4/66																								
		C. H. Bishop	4/66																								
		NA																									
		NA																									
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		C. H. Bishop	4/66																								
6. APPLICATION OF FIELD EDIT DATA (Partial) BY CHECKED BY		L. O. Neterer	6/66																								
		C. H. Bishop	6/66																								
7. COMPILATION SECTION REVIEW BY		C. H. Bishop	6/66																								
8. FINAL REVIEW BY		A. L. Shands	3/77																								
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. L. Shands	4/77																								
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		J. B. Phillips	6/77																								
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. T. CATOR	8/77																								

T-12807  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC 8 "S" and "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" 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	
64S(P)6915	8/25/64	10:07	1:30,000	3.5 ft. above MLLW	
64S(P)6790-6792	8/25/64	08:50	1:30,000	0.5 ft. above MLLW	
*65L(I)3561-3562	5/17/65	06:42	1:40,000	2.2 ft. below MLLW	
*65L(I)3571	5/17/65	06:50	1:40,000	2.5 ft. below MLLW	
*65L(I)3654-3656	5/17/65	08:46	1:40,000	1.7 ft. below MLLW	
*65L(I)3666	5/17/65	08:59	1:40,000	1.0 ft. below MLLW	

## REMARKS

\*Tide coordinated photographs.

## 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
No Survey	T-12651 and T-12653	T-12668	T-12439

## REMARKS

T-12651 and T-12653 are 1:10,000 scale.

T-12807

## 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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <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
65L(I)3665	TRAVEL 2, 1964		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12807  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. B. Watkins	5/66
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. B. Melby
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 Field Edit Ozalid

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONT-12807  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Alongshore area for hydro (partial)	1/65	Class III		
Alongshore area for hydro (completed)	4/66	Class III		
Partial field edit applied.	6/66	Class III		
Final Review	3/77	Class III	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
			None

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

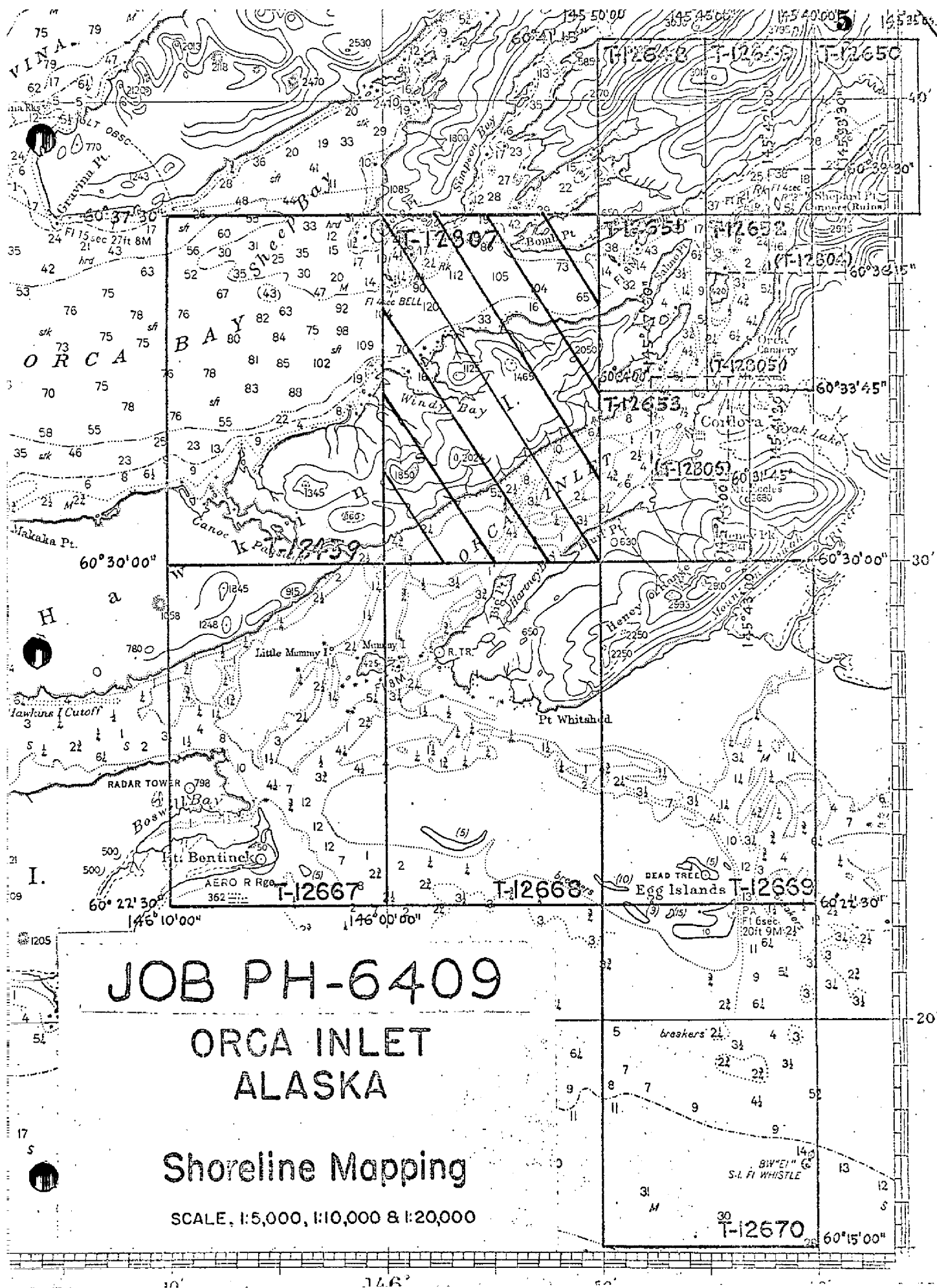
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.  
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 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, 7½ 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-12807

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.

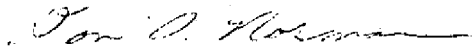
24. Supplemental Data

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 &amp; #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 &amp; #4

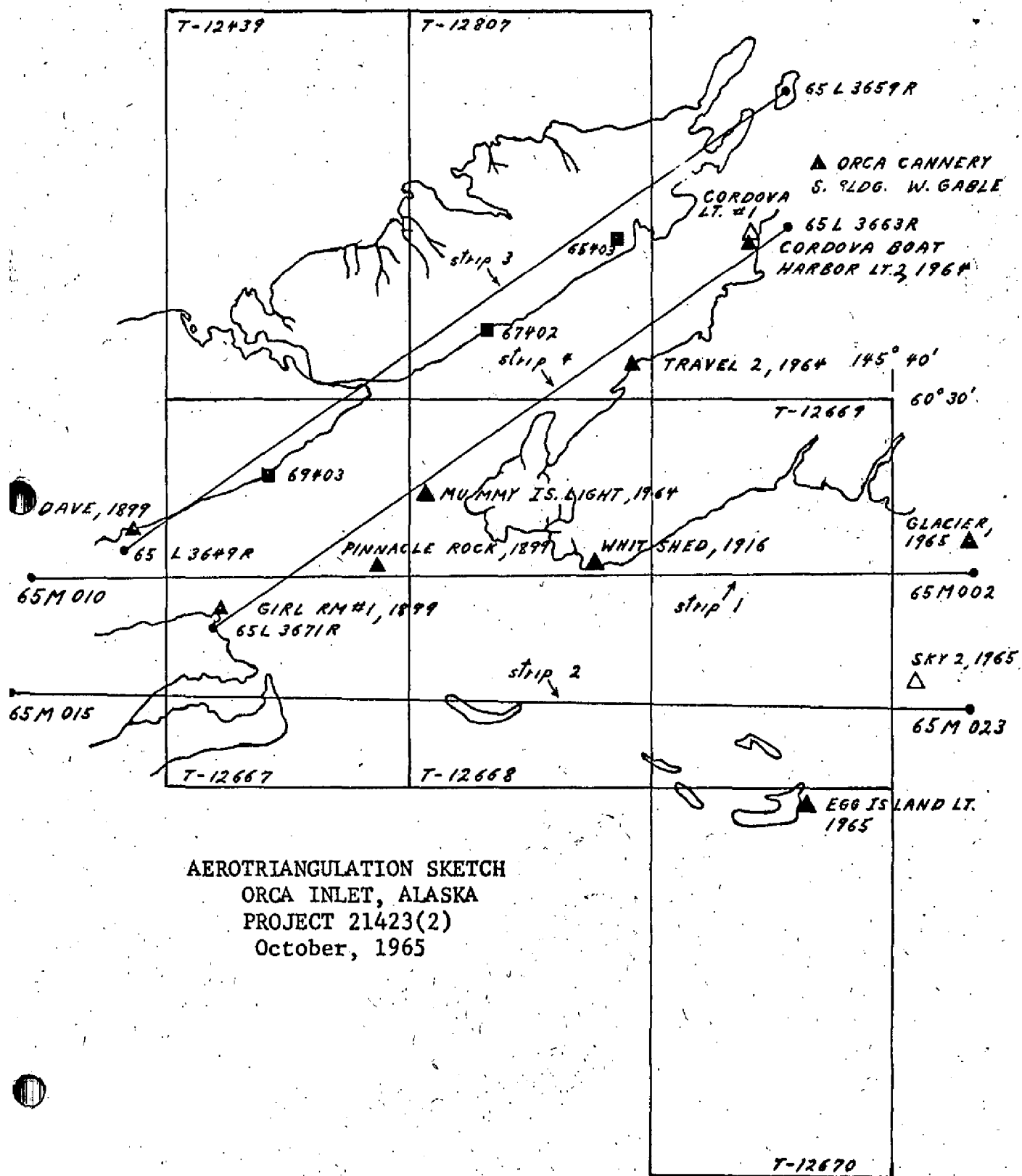
70401	+2.5	-4.6
70402	+2.3	-5.0
69401	+0.7	-3.2
69402	-1.0	-4.2
68401	-1.4	-0.6
68402	-0.3	-1.1
68403	-2.0	-0.2
67401	-0.2	-4.2
67403	+0.6	-2.3
66401	-0.9	-1.1
66402	-1.8	+0.1
65401	+0.8	+1.2
65402	-0.8	+3.4
64401	-0.6	+4.5
64402	-0.1	+2.0

## Tie points between Strips #1 &amp; #3

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

## Tie points between Strips #1 &amp; #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-12807	JOB NO. PH-6409	GEODETTIC DATUM NA 1927		ORIGINATING ACTIVITY Division, AMC, Norfolk, VA				
		STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE	REMARKS FORWARD BACK	
PEAK NO. 51, 1899	G. P. Vol 6 P. 222				x=	$\phi$ 60 32 07.12	220.4 (1636.7)	
					y=	$\lambda$ 145 58 43.05	656.4 (258.4)	
PEAK NO. 52, 1899	G. P. Vol 6 P. 222				x=	$\phi$ 60 32 18.52	573.2 (1283.9)	
					y=	$\lambda$ 145 56 39.06	595.6 (319.2)	
PEAK NO. 53, 1899	G. P. Vol 6 P. 222				x=	$\phi$ 60 34 26.20	810.9 (1046.2)	
					y=	$\lambda$ 145 50 58.73	894.6 (19.3)	
TREAT, 1899	G. P. Vol 6 P. 202				x=	$\phi$ 60 31 35.695	1104.8 (752.3)	
					y=	$\lambda$ 145 55 11.125	169.7 (745.5)	
SIMPSON 2, 1900	G. P. Vol 6 P. 225				x=	$\phi$ 60 37 04.886	151.2 (1705.9)	
					y=	$\lambda$ 145 53 46.943	714.0 (198.7)	
BOMB, 1900	G. P. Vol 6 P. 200				x=	$\phi$ 60 36 42.199	1306.1 (551.0)	
					y=	$\lambda$ 145 53 23.755	361.4 (551.4)	
FOX, 1900	G. P. Vol 6 P. 200				x=	$\phi$ 60 34 58.091	1798.0 (59.1)	
					y=	$\lambda$ 145 57 00.135	02.1 (911.5)	
SPRUCE, 1900	G. P. Vol 6 P. 200				x=	$\phi$ 60 35 06.254	193.6 (1663.5)	
					y=	$\lambda$ 145 56 21.259	323.7 (589.9)	
NARROWS, 1900	G. P. Vol 6 P. 200				x=	$\phi$ 60 35 22.569	698.5 (1158.6)	
					y=	$\lambda$ 145 54 06.269	95.4 (818.0)	
TRAVEL, 1899	G. P. Vol 6 P. 202				x=	$\phi$ 60 30 40.395	1250.3 (606.8)	
					y=	$\lambda$ 145 50 43.520	664.2 (251.4)	
COMPUTED BY D. Butler					COMPUTATION CHECKED BY Albert C. Rauck, Jr.			DATE 3/17/77
LISTED BY D. Butler					LISTING CHECKED BY Albert C. Rauck, Jr.			DATE 3/17/77
HAND PLOTTING BY D. Butler					HAND PLOTTING CHECKED BY Albert C. Rauck, Jr.			DATE 3/18/77

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





## COMPILATION REPORT

T-12807

31. DELINEATION:

The mean high water line and the approximate mean lower low water line were compiled on the Kelsh instrument. The lowest stage tide line (channel or shoal line) was compiled graphically.

32. CONTROL:

See Photogrammetric Plot Report dated October, 1965.

33. SUPPLEMENTAL DATA:

No supplemental data was used for the compilation of this manuscript.

34. CONTOURS AND DRAINAGE:

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

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline and alongshore details were delineated from office interpretation of the photographs as there was no field inspection before compilation.

36. OFFSHORE DETAILS:

No offshore details were compiled other than rocks in the vicinity of Station TREAT, 1899, and Mud Bay.

37. LANDMARKS AND AIDS:

None.

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 (C-5), ALASKA; scale 1:63,360; Edition of 1951 and CORDOVA (C-6), ALASKA; scale 1:63,360; Edition of 1950.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 8520; scale 1:80,000; dated July 20, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:



Lowell O. Meterer, Jr.  
Cartographic Technician

Approved:



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

T-12807

48. GEOGRAPHIC NAME LIST:

Bluff Point  
Bomb Point  
Boulder Creek  
Hartney Bay  
Hawkins Island  
Hidden Cove  
Mud Bay  
Orca Bay  
Orca Inlet  
Simpson Bay  
Windy Bay  
Windy Creek

NOTE: The names appearing on this list were furnished by the Staff Geographer on USGS Quads CORDOVA (C-5 and C-6), ALASKA, dated 1951 and 1950, respectively.

FIELD EDIT

T-12807

This map was partially edited in June 1965. There is no evidence that a report was ever submitted.

Submitted by:

*A. L. Shands*

A. L. Shands  
Final Reviewer

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T-12807			
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 CHB	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 None	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 None
23. STEREOSCOPIC INSTRUMENT CONTOURS None	24. CONTOURS IN GENERAL None	25. SPOT ELEVATIONS None	26. OTHER PHYSICAL FEATURES None
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS None	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 CHB	37. DESCRIPTIVE REPORT LON	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. A. 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 L. O. Neterer Charles H. Bishop	6/66	SUPERVISOR Albert C. Rauck, Jr.	
REVIEWER C. H. Bishop	6/66	A. C. Rauck, Jr.	
43. REMARKS  This map partially field edited in June 1965.			

## REVIEW REPORT

T-12807

## SHORELINE

March 18, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report.

A comparison print showing the differences noted in Paragraphs 62 and 65 is submitted with the original of this report.

Orca Bay was not mapped west of Long.  $145^{\circ} 53.5'$ . No hydrographic operations were scheduled for that area. This map received a partial field edit in June 1965.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Registered Surveys 3642 and 3648, each 1:20,000 scale, dated 1961, mapped on the Valdez Datum. Differences noted after making the datum correction are attributed to advancements in mapping techniques, equipment and methods. They are shown on the comparison print in blue pencil.

T-12807 supersedes Surveys 3642 and 3648 in the area compared for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangles CORDOVA (C-5 and C-6), ALASKA, 1:63,360 scale, dated 1950 and 1951, respectively. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were conducted in the area bounded by this survey.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8520, 1:80,000 scale, 13th Edition, dated March 7, 1966. The chart shows many more rocks along the south shore of Hawkins Island than are visible on the photographs. Also, the shoreline configuration in Hartney Bay differs greatly from the compilation office's interpretation. These and other significant differences are shown on the comparison print in red pencil.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map 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



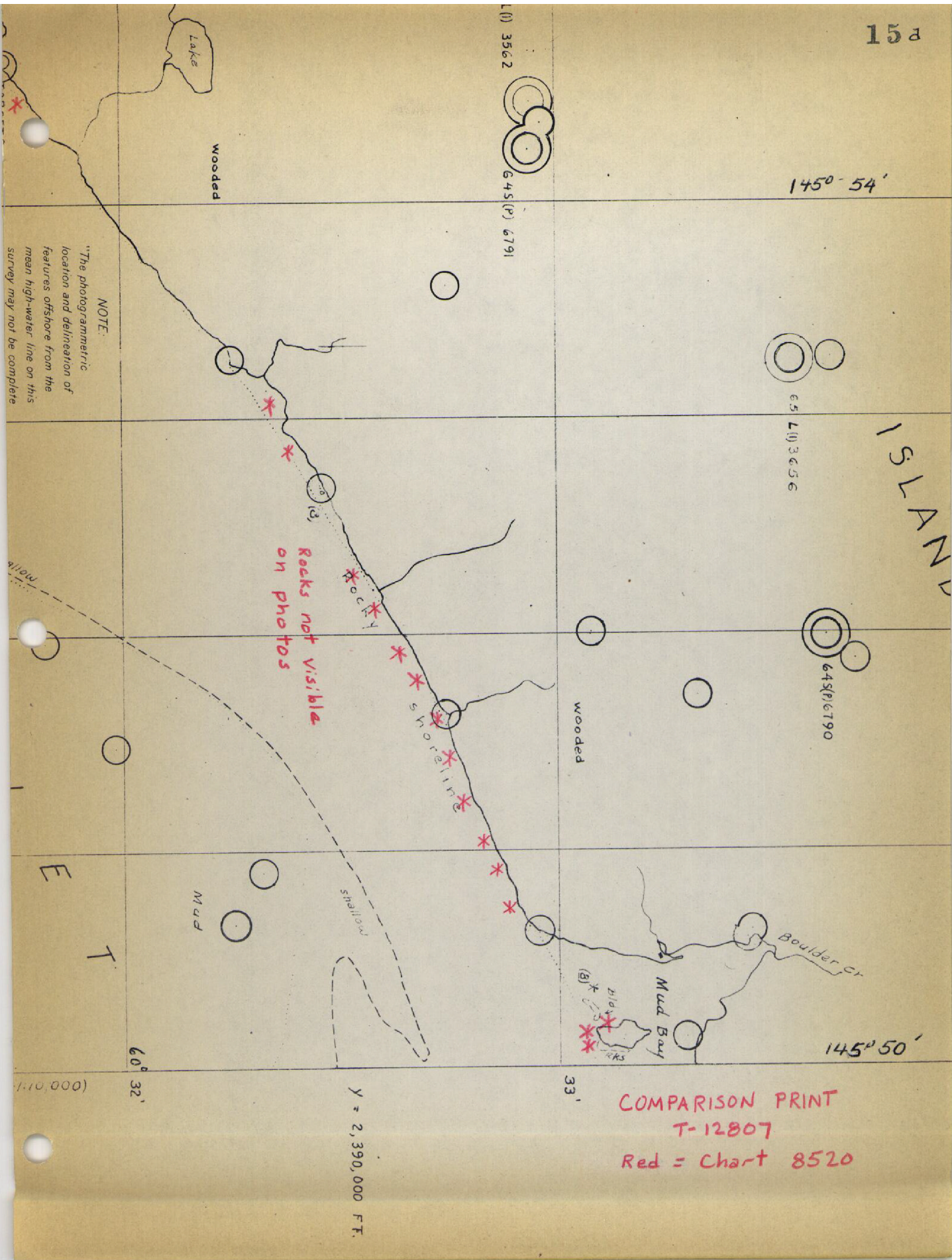
Chief, Coastal Mapping Division



145° 54'

ISLAND

145° 50'



COMPARISON PRINT  
T-12807  
Red = Chart 8520

NOTE:  
"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete"

Y = 2,390,000 FT.

1:10,000

60° 32'

33'

E

Mud

wooded

wooded

Lake

L(1) 3562  
64S(P) 6791

65 L(1) 3656

64S(P) 6790

Mud Bay

Boulder cr.

(3)

Shallow

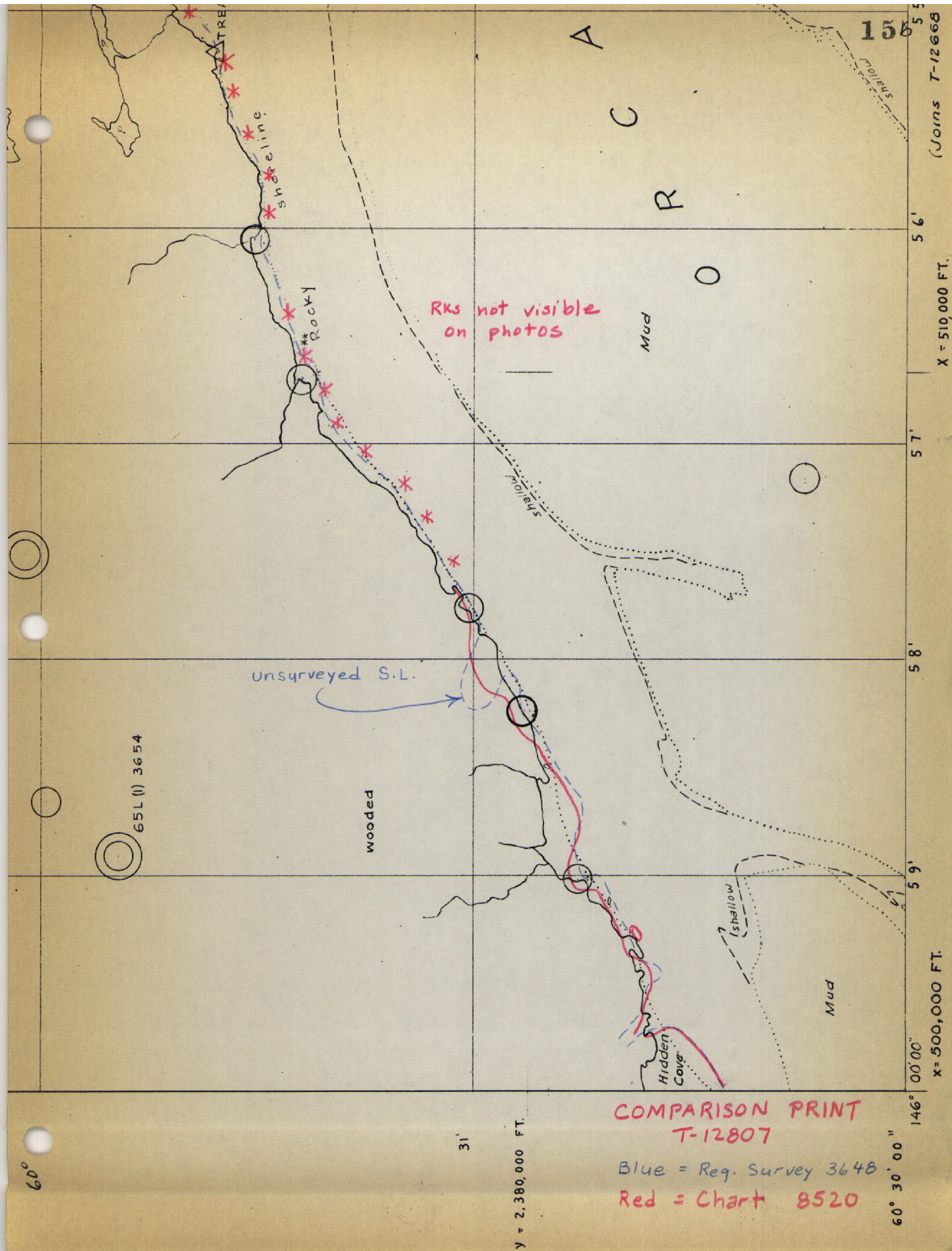
Rocks not visible on photos

Shoreline

Rocky

(8)

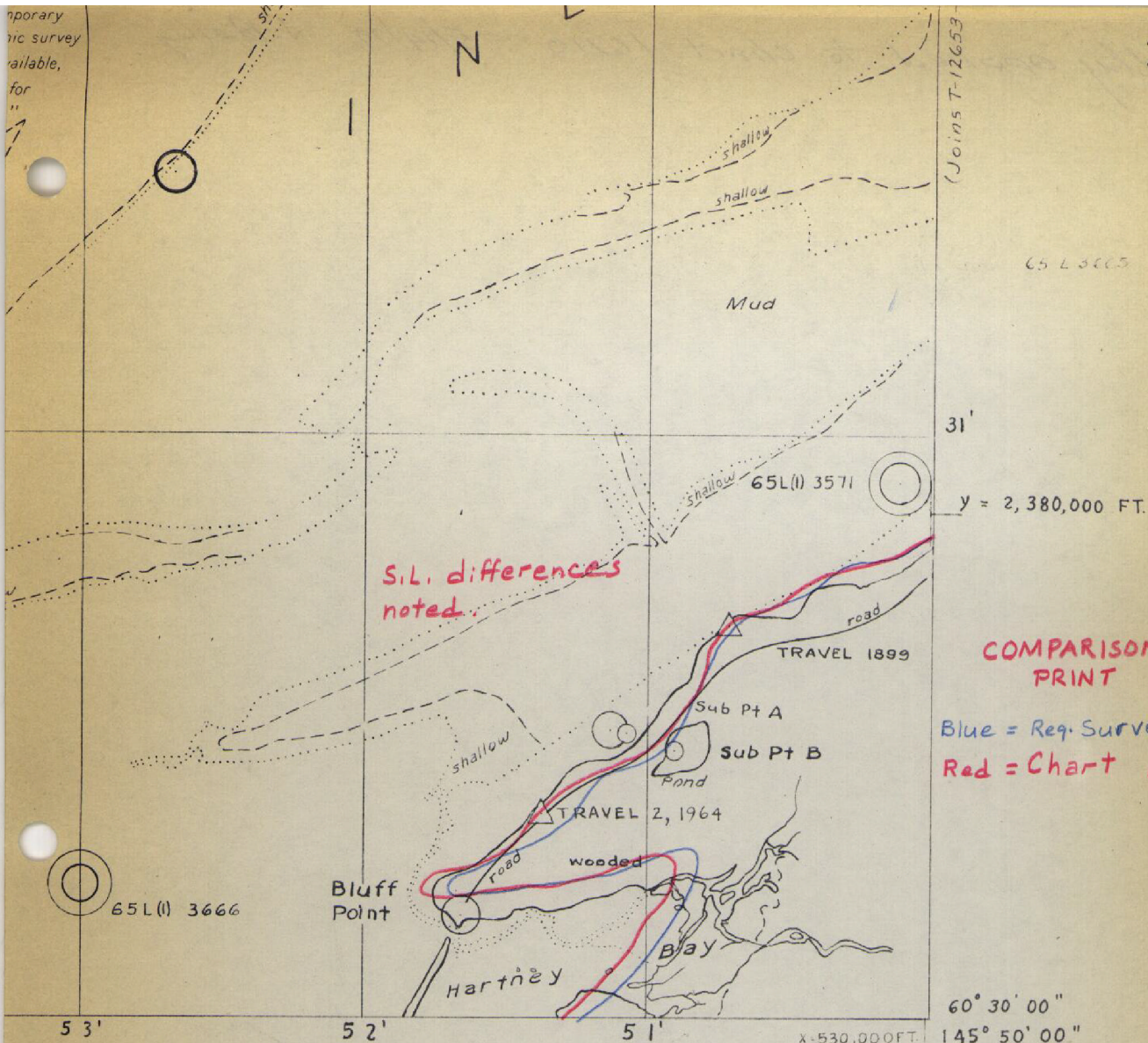






Temporary  
survey  
available,  
for

15c



NATIONAL OCEAN SURVEY  
SHORELINE MANUSCRIPT

T-12807  
ALASKA  
ORCA INLET  
WINDY BAY  
SCALE 1:20,000  
(1 inch = 1666.7 ft.)

CONTROL DATA

Polyconic projection, 1927 North American Datum  
10,000 foot grid based on  
Alaska plane coordinate system (Zone 3)  
Datum plane: Mean High Water

T-12807

Fully applied to chart 16710 5/14/79 J. Bailey