

T-12669

T-12669

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-12669  
Classification No. .... III ..... Edition No. .... 4

### LOCALITY

State ..... Alaska  
General Locality ..... Orca Inlet  
Locality ..... Egg Island Channel

1965 TO 19

### 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			
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		SURVEY <b>TR</b> T-12669 MAP EDITION NO. (1) MAP CLASS III JOB PH-6409											
OFFICER-IN-CHARGE  Jeffrey G. Carlen, Cdr.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2" style="text-align: center;">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> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		<input type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED	
LAST PRECEDING MAP EDITION													
TYPE OF SURVEY													
<input type="checkbox"/> ORIGINAL													
<input type="checkbox"/> RESURVEY													
<input type="checkbox"/> REVISED													
I. INSTRUCTIONS DATED													
1. OFFICE		2. FIELD											
Aerotriangulation Office <div style="text-align: right;">8/18/65 10/11/65</div>													
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) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE Alaska</td> <td style="width:50%;">ZONE 3</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>		STATE Alaska	ZONE 3	STATE	ZONE						
STATE Alaska	ZONE 3												
STATE	ZONE												
5. SCALE 1:20,000		STATE ZONE											
III. HISTORY OF OFFICE OPERATIONS													
OPERATIONS		NAME	DATE										
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		BY <u>D. O. Norman</u>	<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>Apr 1966</u> <u>Apr 1966</u>										
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		HYDRO SUPPORT DATA BY <u>J. S. Place</u> CHECKED BY <u>C. H. Bishop</u>	<u>Apr 1966</u> <u>Apr 1966</u>										
6. APPLICATION OF FIELD EDIT DATA		BY <u>C. H. Bishop</u> CHECKED BY <u>Cancelled</u>	<u>Apr 1966</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. CATDR</u>	<u>ADG 1977</u>										

NOAA FORM 76-36B  
(3-72)

T-12669

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

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC 8 "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Alaska	<input checked="" type="checkbox"/> STANDARD
<input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 150th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
65L(I)3590-3592	5/05/65	07:15	1:40,000	2.6 ft. below MLLW	
65L(I)3613-3615	5/05/65	07:27	1:40,000	2.6 ft. below MLLW	
65L(I)3626-3628	5/05/65	08:28	1:40,000	1.7 ft. below MLLW	
65L(I)3700-3702	5/05/65	13:13	1:40,000	7.9 ft. above MLLW	
65L(I)3711-3713	5/05/65	13:24	1:40,000	8.2 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-12653	No Survey	T-12670	T-12668

REMARKS

T-12669

## 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 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	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
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)

None

NOAA FORM 76-36D  
(3-72)

T-12669

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

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

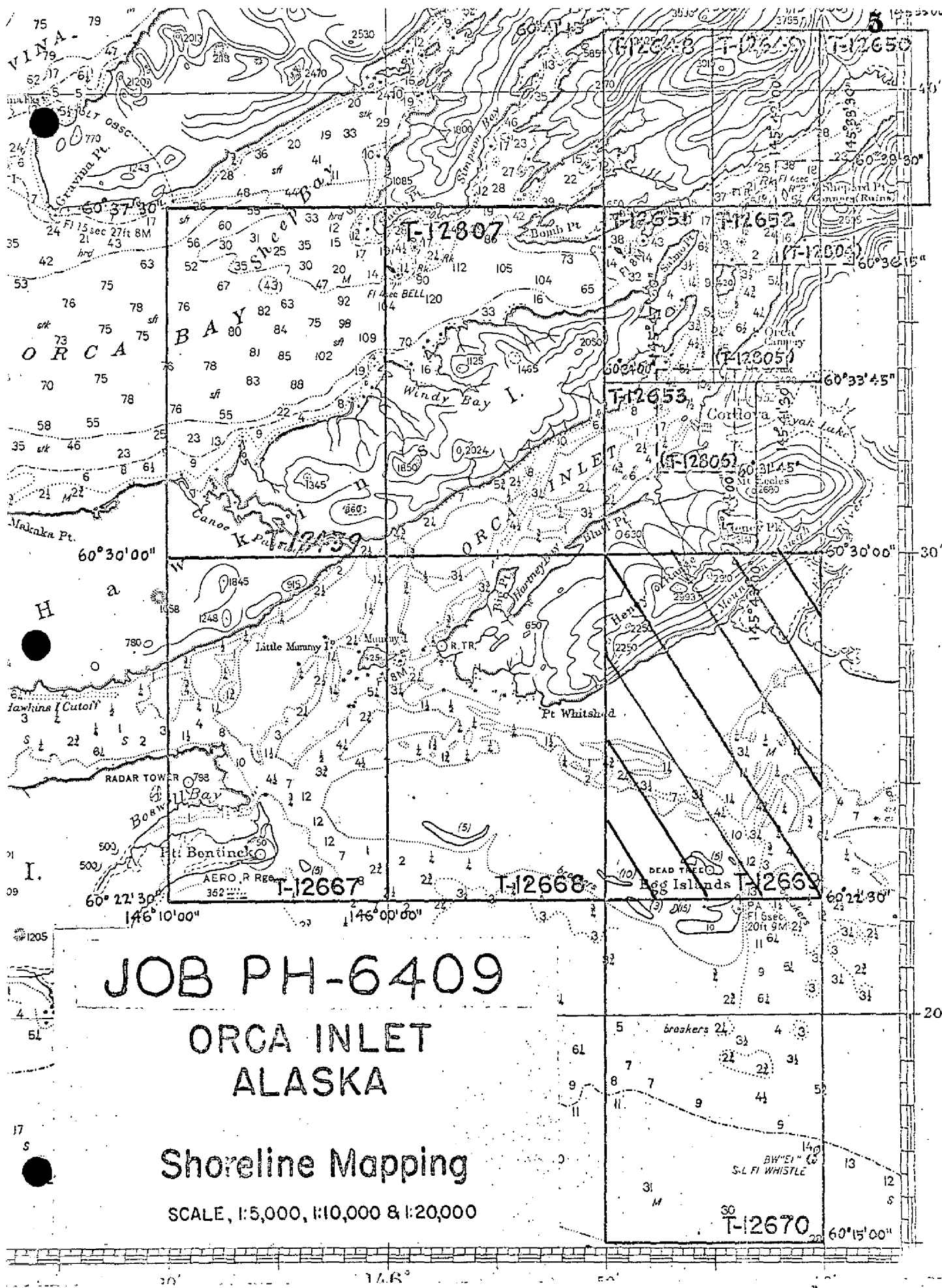
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	



JOB PH-6409

ORCA INLET  
ALASKA

Shoreline Mapping

SCALE, 1:5,000, 1:10,000 & 1:20,000

## 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-12669

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.

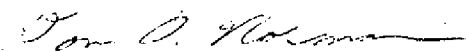
24. Supplemental Data

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

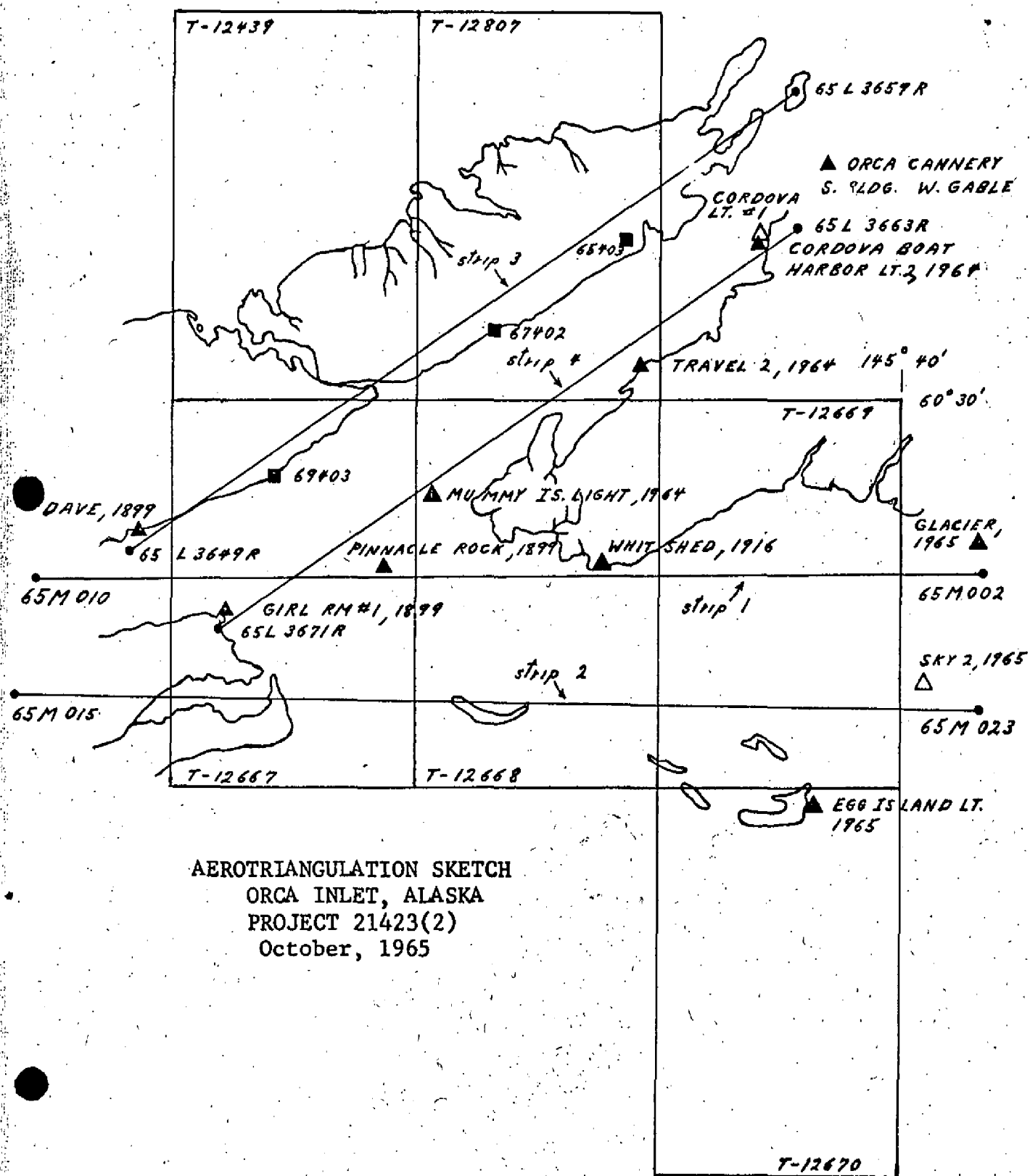
70401	+2.5	-4.6
70402	+2.3	-5.0
69401	+0.7	-3.2
69402	-1.0	-4.2
68401	-1.4	-0.6
68402	-0.3	-1.1
68403	-2.0	-0.2
67401	-0.2	-4.2
67403	+0.6	-2.3
66401	-0.9	-1.1
66402	-1.8	+0.1
65401	+0.8	+1.2
65402	-0.8	+3.4
64401	-0.6	+4.5
64402	-0.1	+2.0

## 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





## COMPILATION REPORT

T-12669

31. DELINEATION:

The approximate mean lower low water line was compiled by Kelsh Instrument, using the near-to-sounding datum photography. The mean high water line was delineated graphically from the highest stage of tide photography and the channel or shoal line was delineated graphically from the lowest stage of tide photography.

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:

Shoreline and alongshore details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None.

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.

46. COMPARISON WITH EXISTING MAPS:

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

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:

*A. L. Schantz*  
*for*

John S. Place  
Cartographer

Approved:

*Albert C. Rauck, Jr.*

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



T-12669

48. GEOGRAPHIC NAME LIST:

Center Slough  
Egg Island Channel  
Egg Islands  
Eyak River  
Mountain Slough

NOTE: Names on this list were provided by the Staff Geographer on  
USGS Quadrangle CORDOVA (B-5), ALASKA, dated 1951.

NOAA FORM 75-74 (2-74)		T-12669 <b>PHOTOGRAMMETRIC OFFICE REVIEW</b> <del>TX10361</del>		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB		
<b>CONTROL STATIONS</b>					
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT CHB		11. DETAIL POINTS CHB	
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>					
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES XX	
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB		19. OTHER ALONGSHORE CULTURAL FEATURES XX	
<b>PHYSICAL FEATURES</b>					
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 NA		26. OTHER PHYSICAL FEATURES XX	
<b>CULTURAL FEATURES</b>					
27. ROADS XX	28. BUILDINGS XX	29. RAILROADS XX		30. OTHER CULTURAL FEATURES XX	
<b>BOUNDARIES</b>					
31. BOUNDARY LINES NA			32. PUBLIC LAND LINES NA		
<b>MISCELLANEOUS</b>					
33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB	
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS XX		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.					

## REVIEW REPORT

T-12669

## SHORELINE

April 6, 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.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with Registered Survey 2423, 1:40,000 scale, dated 1899. The differences noted are attributed to time and advancements in mapping techniques, methods, and equipment.

T-12669 supersedes Registered Survey 2423 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle CORDOVA (B-5), ALASKA, 1:63,360 scale, dated 1951. Differences were noted in the placement and configuration of the Egg Islands. These are sand islands whose positions may have been altered by wind and wave actions, as well as effects of the 1964 earthquake. These differences are shown on the comparison print in brown pencil.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey was conducted in the area.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8520, 1:80,000 scale, 13th Edition, dated March 7, 1966. Differences were noted in the configuration and position of the mean lower low water line and the Egg Islands charted at Lat.  $60^{\circ} 23.3'$ , Long.  $145^{\circ} 44.1'$ ; Lat.  $60^{\circ} 22.6'$ , Long.  $145^{\circ} 47.7'$ ; and Lat.  $60^{\circ} 22.9'$ , Long.  $145^{\circ} 49.5'$  could not be seen on the photographs. The landmark, DEAD TREE, also was not visible and no 76-40 is submitted for it.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

No field edit was performed. With this exception, the 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*

A. L. Shands  
Final Reviewer

Approved for forwarding:

*Joseph W. Vonasek*

Joseph W. Vonasek  
Chief, Photogrammetric Branch, AMC

Approved:

*R. H. Gordon*

Chief, Photogrammetric Branch

*James*

Chief, Coastal Mapping Division

NATIONAL OCEAN SURVEY  
SHORELINE MANUSCRIPT

T-12669  
ALASKA  
ORCA INLET  
EGG ISLAND CHANNEL

COMPARISON PRINT  
T-12669

Brown = U.S.G.S. Quad  
Red = Chart 8520

S.L. differences noted

C H A N N E L

X=550,000 FT.

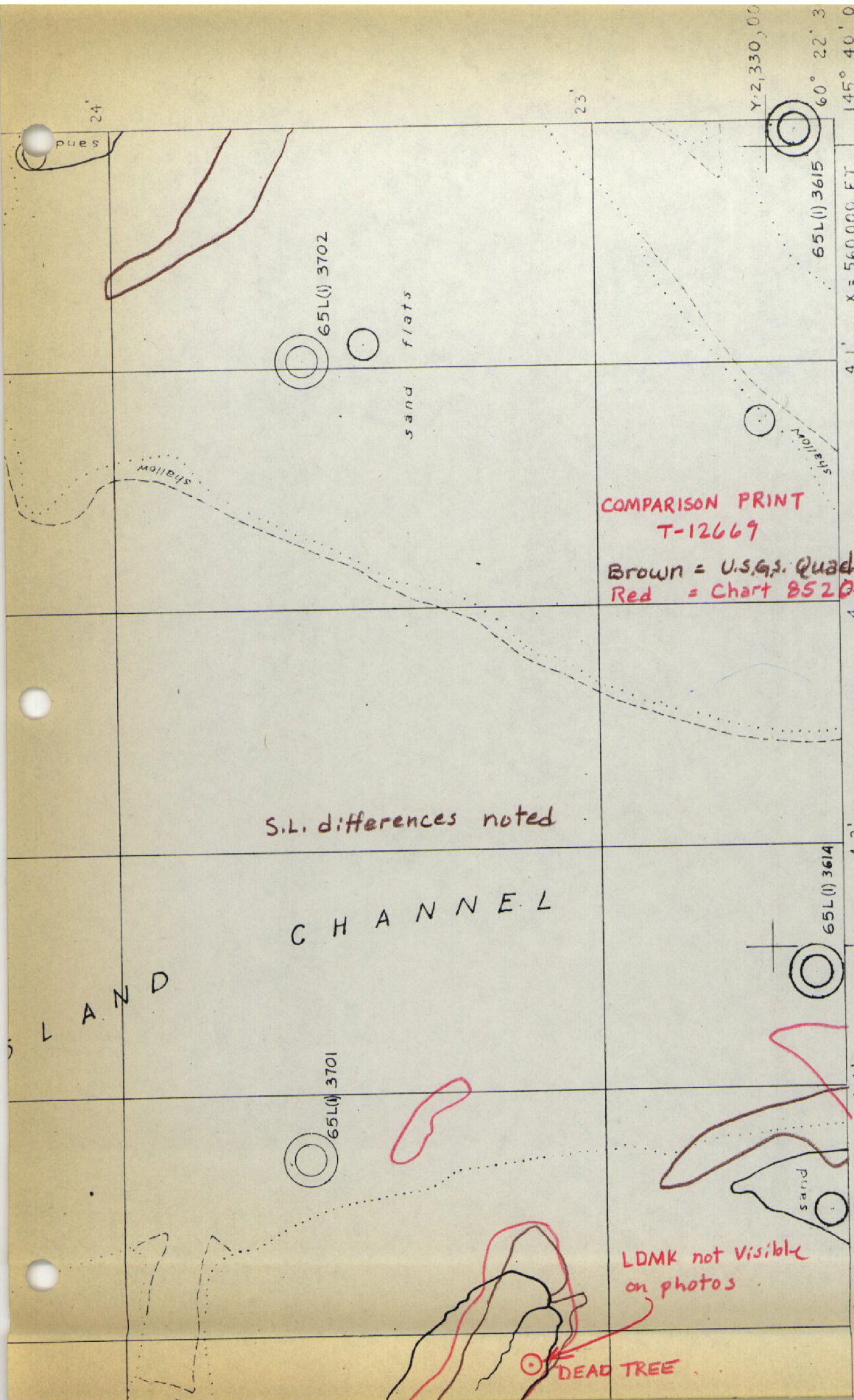
T-12670

LEGEND

Horizontal control station of third-order or higher accuracy  
Mean low water line  
Shoreline defines the outer limits of vegetation, visible above  
Mean high water  
Shoreline defines the approximate mean high water

LDMK not visible  
on photos

DEAD TREE

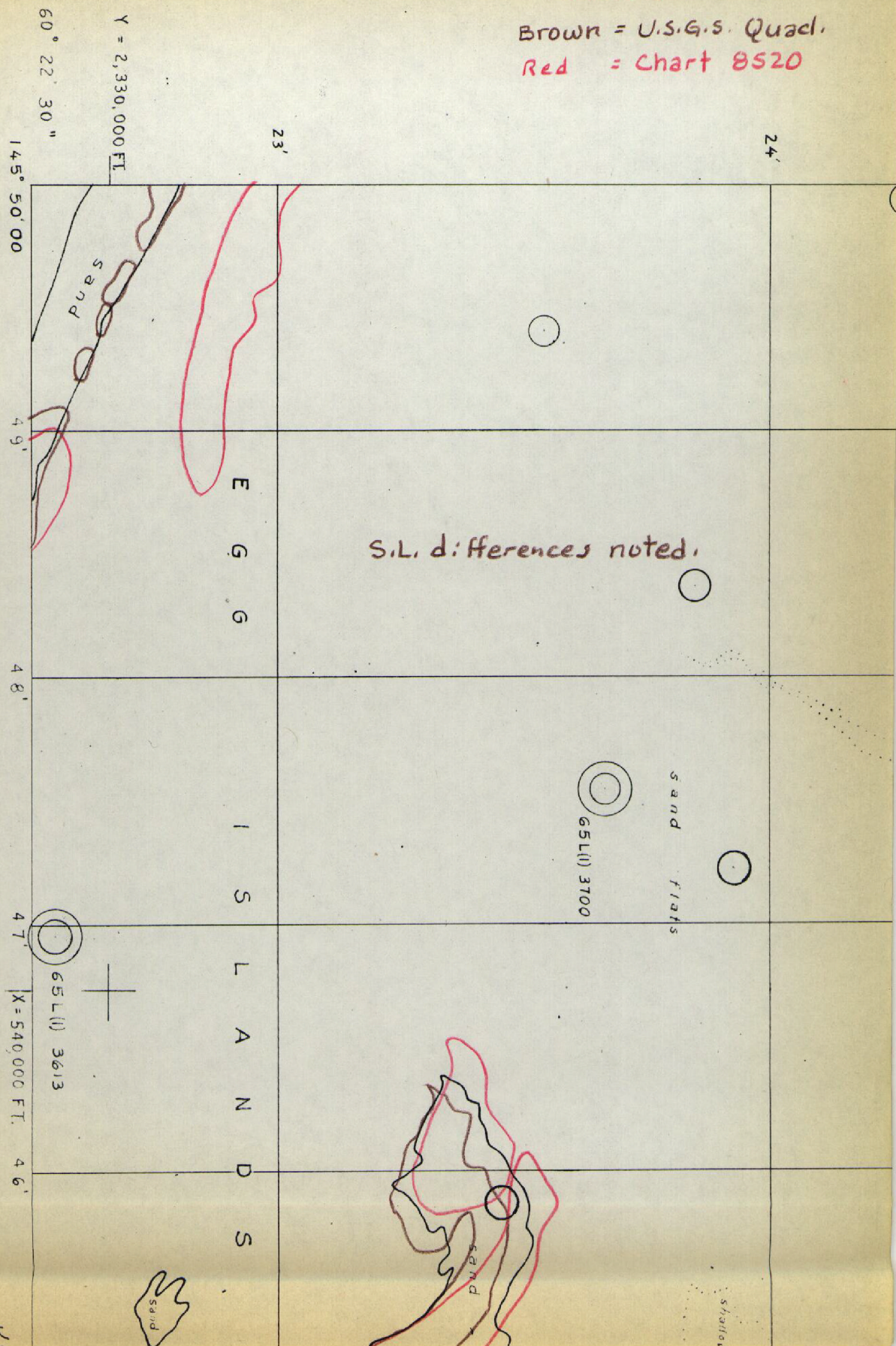




COMPARISON PRINT  
T-12669

14b

Brown = U.S.G.S. Quad.  
Red = Chart 8520



# Class III Map

This map is based on aerotriangulation that meets the requirements for National Standards of Map Accuracy and an office interpretation of the mapping photography. It is subject to correction by field edit and a final review. Landmarks and aids to navigation were not investigated by a field party.

△ Recoverat  
Approxim  
The light  
approxim  
The heavy