

T-12451

T-12451

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12451	Edition No. 1
Job No. PH-6310	
Map Classification FINAL	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality ANNETTE ISLAND	
Locality TAMGAS HARBOR	
19 63 TO 1970	
REGISTERED 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>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE  Portland, Oregon		SURVEY TRF. <u>12451</u>  MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH- <u>6310</u>	
OFFICER-IN-CHARGE  P. A. Stark		<b>LAST PRECEDING MAP EDITION</b> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
August 13, 1964			
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input 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 <u>Alaska</u> ZONE <u>1</u>	
5. SCALE  1:10,000		STATE _____ ZONE _____	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>
1. AEROTRIANGULATION METHOD: Analytic		BY E. L. Rolle	Jul 1964
LANDMARKS AND AIDS BY		J. D. Perrow, Jr.	Jul 1964
2. CONTROL AND BRIDGE POINTS METHOD:		PLOTTED BY C. H. Bishop	Sept 1964
		CHECKED BY M. E. Harbert	Sept. 1964
3. STEREOSCOPIC INSTRUMENT COMPILATION		PLANIMETRY BY J. S. Place	Oct 1964
INSTRUMENT: Kelsh Plotter		CHECKED BY Unknown	
SCALE: 1:10,000		CONTOURS BY N.A.	
		CHECKED BY N.A.	
4. MANUSCRIPT DELINEATION		PLANIMETRY BY J. S. Place	Oct 1964
METHOD: Smooth drafted		CHECKED BY D. N. Williams	Nov 1964
		CONTOURS BY N.A.	
		CHECKED BY N.A.	
SCALE:		HYDRO SUPPORT DATA BY J. S. Place	Oct 1964
		CHECKED BY D. N. Williams	Nov 1964
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY D. N. Williams	Nov 1964
6. APPLICATION OF FIELD EDIT DATA		BY R. J. Pate	Nov 1971
		CHECKED BY A. C. Rauck, Jr.	Nov 1971
7. COMPILATION SECTION REVIEW		BY A. C. Rauck, Jr.	Nov 1971
8. FINAL REVIEW		BY L. O. Neterer, Jr.	Jul 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY L. O. Neterer, Jr.	May 1986
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY E. Dempsey	July 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY P. L. Dwyer	Aug-86

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

T-12451

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "W" (focal length = 153.20 mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			ZONE	<input type="checkbox"/> STANDARD
			MERIDIAN	<input type="checkbox"/> DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
63-W(P)7186 thru 7188	Jul.1,1963	15:10	1:30,000	4 ft. above MLLW

REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from office interpretation of the above listed photography.

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

The mean lower low water line was compiled under instructions prevailing at the time of compilation.

## 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-12447	T-12452	T-12457	T-12450

REMARKS

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

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	D. R. Tibbit	Sep-Oct '70
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 D. R. Tibbit 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	D. R. Tibbit
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)

63W7379 thru 63W7384, 63W7468 thru 63W7473 and 63W7560 thru 63W7563

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 report and field edit ozalid

NOAA FORM 76-36D  
(3-72)

T-12451

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
Compilation complete, pending field edit.	Oct. 1964	Class III Manuscript	None	Unknown
Field edit applied, compilation complete.	Nov. 1971	Class I Manuscript	Unknown	None
Final Reviewed	July 1985	Final Map		

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Feb. 14, 1979	Aids for Charts

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

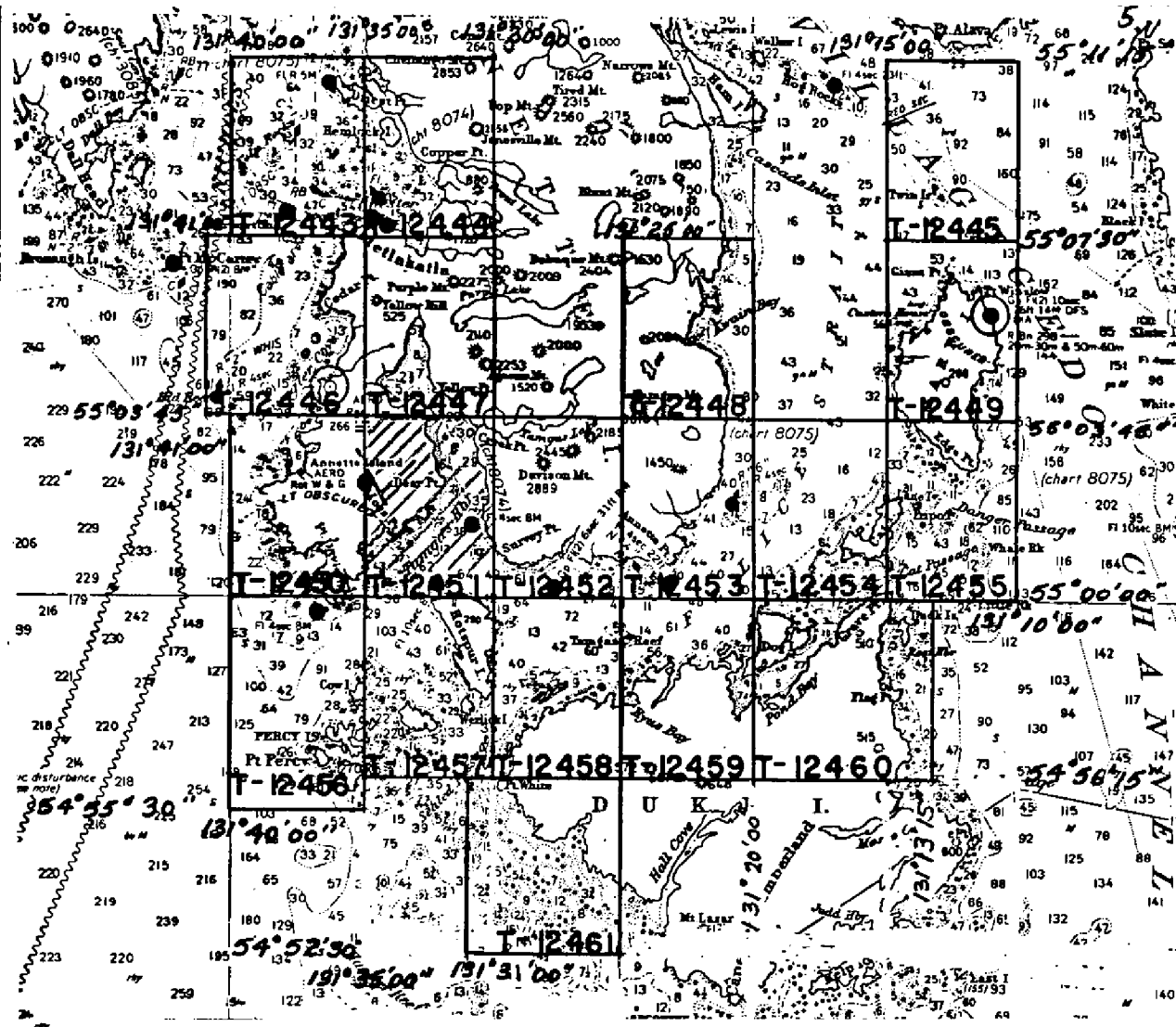
1. ☒ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.  
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

ACCOUNT FOR EXCEPTIONS:

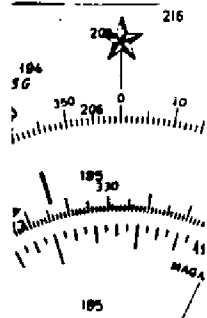
*Some Source data located at Wilkens Ave Storage Box 13*4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## 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	



SHEET NUMBER	AREA Sq. Mi.	SHEET NUMBER	AREA Sq. Mi.
12443	1	12453	3
12444	5	12454	2
12445	1	12455	3
12446	3	12456	3
12447	3	12457	6
12448	3	12458	4
12449	6	12459	6
12450	8	12460	8
12451	6	12461	3
12452	2	TOTAL	38
TOTAL	38		



JOB PH-6310  
SHORELINE MAPPING  
ANNETTE ISLAND, ALASKA  
SCALE 1:10,000

Rev. 12/1/60

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT  
T-12451

This 1:10,000 scale map is one of nineteen maps that comprise project PH-6310 and one of eight of the original Project 21069 Annette Island, Alaska.

This project encompasses Annette Island from Revillegigedo Channel longitude 131°10'00" west to Nichols Passage, longitude 131°41'00" and from Duke Island latitude 54°52'30" north to Annette Island, latitude 55°11'15".

Instructions dated June 29, 1977 require maps T-12443, T-12444, T-12446, T-12447, T-12450, T-12451, T-12452, T-12456, T-12457, T-12458, and T-12461 to be registered as final maps. Maps T-12445, T-12448, T-12449, T-12453, T-12454, T-12455, T-12459 and T-12460 are to be registered as Final Class III Maps.

Field work prior to compilation consisted of identification of the horizontal control for bridging.

Photogrammetric coverage was provided in July 1963 using panchromatic film with the "W" camera (focal length 153.20 millimeters) at 1:30,000 scale.

Analytic aerotriangulation was performed at the Washington Science Center in July 1964.

Compilation was performed at the Portland, Oregon field office in October 1964.

Field edit was accomplished during the 1970 field season.

Application of field edit was completed in November 1971 at the Atlantic Marine Center.

Final Review was performed at the Atlantic Marine Center in July 1985.

This Descriptive Report contains all pertinent information used to compile this final map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12451

PROJECT 21069

NONE.



## Aerotriangulation Report

Project 21069

Annette Island, Alaska

21. Area Covered

The bridging covers the west side of Annette Island, Alaska. This report applies to surveys T-12443, T-12444, T-12446, T-12447, T-12450, T-12451 and T-12456.

22. Method

Two strips were bridged to provide control for shoreline compilation. Strip No. 3 consisted of 1:30,000 scale photographs 63-W-7162-69 and was bridged on the Zeiss C-8 Stereoplanigraph. It was adjusted on five triangulation stations. Strip No. 4 consisted of 1:30,000 scale photographs 63-W-7173-81 and was bridged on the Zeiss C-5 Stereoplanigraph. It was adjusted on five triangulation stations with three triangulation stations as checks.

23. Adequacy of Control

Control positions were adequate for bridge adjustments. Sub-stations No. 1 of Duncan, 1912-21, No. 2 of Davis, 1914 and triangulation station Metlakatla East Church Tower, 1914 were either misidentified in the field or on the stereo model. Sub-station No. 1 of Lock, 1964 was misidentified on the stereo model in Strip No. 4. All other points held within accuracy requirements. Common pass points between the two strips were averaged.

24. Supplemental Data

None

25. Photography

Photography was adequate as to coverage and definition.

Submitted by:

*Edward L. Rolle* *E.L.R.*  
Edward L. Rolle

Approved by:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.

# Aerotriangulation Report

Project 21069

Annette Island, Alaska

## 21. Area Covered

The bridging covers the south side of Annette Island, Hotspur Island and the Percy Islands. This report applies to surveys T-12450, T-12451, T-12452, T-12453, T-12456, T-12457, T-12458 and T-12461.

## 22. Method

Two strips were bridged to provide control for shoreline compilation. Strip No. 5 consisted of 1:30,000 scale photographs 63-W-7185-92 and was adjusted on four triangulation stations. Strip No. 6 consisted of 1:30,000 scale photographs 63-W-7196-7201 and was adjusted on three triangulation stations. Both strips were bridged on the Zeiss C-5 Stereoplanigraph.

## 23. Adequacy of Control

Control positions were adequate for bridge adjustments. Sub-station No. 1 of Duncan, 1912-21 was not held by approximately the same distances as in Strip No. 4. From this evidence, it was concluded that the station was misidentified in the field. All other points held within accuracy requirements. Common pass points between Strip No. 4 and Strip No. 5 were averaged. There were no common pass points between Strip No. 5 and Strip No. 6.

## 24. Supplemental Data

None

## 25. Photography

Photography was adequate as to definition and coverage.

Submitted by:

*Edward L Rolle by JDP*

Edward L. Rolle

Approved by:

*John D Perrow Jr*  
John D. Perrow, Jr.

*Aug 11, 1964*



COMPILATION REPORT  
MAP MANUSCRIPT T-12451  
PROJECT 21069

ITEMS 31 THRU 38:

REFER TO COMPILATION REPORT FOR T-12447.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH MANUSCRIPTS T-12447 ON THE NORTH, T-12450 ON THE WEST AND T-12457 ON THE SOUTH. THERE IS NO CONTEMPORARY SURVEY ON THE EAST.

40. HORIZONTAL AND VERTICAL ACCURACY:

ITEMS 46 AND 47:

REFER TO COMPILATION REPORT FOR T-12443.

APPROVED:

*for* *Leo F. Bugnet*  
P. A. STARK, CDR, C&GS  
PORTLAND FIELD OFFICER

FORWARDED:

*Donnel N. Williams*  
DONNEL N. WILLIAMS  
CARTOGRAPHER

COMPILATION REPORT  
MAP MANUSCRIPT T-12447  
PROJECT 21069

ITEMS 31 THRU 36:

REFER TO COMPILATION REPORT FOR T-12443.

37. LANDMARKS AND AIDS:

NONE.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH MANUSCRIPTS T-12446 ON THE WEST, T-12444 ON THE NORTH AND T-12451 ON THE SOUTH. THERE IS NO CONTEMPORARY SURVEY ON THE EAST.

40. HORIZONTAL AND VERTICAL ACCURACY:

ITEMS 46 AND 47:

REFER TO COMPILATION REPORT FOR T-12443.

APPROVED:

*for Leo F. Bengt*  
P. A. STARK, CDR, C&GS  
PORTLAND FIELD OFFICER

FORWARDED:

*Donnel N. Williams*  
DONNEL N. WILLIAMS  
CARTOGRAPHER

COMPILATION REPORT  
MAP MANUSCRIPT T-12443  
PROJECT 21069

31. DELINEATION:

PLANIMETRY WAS COMPILED BY KELSH INSTRUMENT AND DRAFTED ON THE MANUSCRIPT IN ACCORDANCE WITH METHOD THREE (3).

32. CONTROL:

ADEQUATE SUPPLEMENTARY CONTROL WAS ESTABLISHED BY BRIDGING WITH THE STEREOPLANIGRAPH BASED ON IDENTIFIED HORIZONTAL CONTROL.

33. SUPPLEMENTAL DATA:

NONE.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

DRAINAGE SHOWN WAS COMPILED FROM STEREOSCOPIC EXAMINATION OF THE PHOTOGRAPHY.

35. SHORELINE AND ALONGSHORE DETAILS:

NO FIELD INSPECTION OF THIS AREA WAS FURNISHED. THE MEAN HIGH WATER LINE AND ALONG SHORE DETAILS WERE DELINEATED FROM OFFICE INSPECTION OF THE PHOTOGRAPHY. NO LOW WATER LINE WAS COMPILED. THE APPARENT LIMITS OF A SHALLOW FORESHORE AREA AND ROCK LEDGES AWASH WERE COMPILED FROM STEREOSCOPIC EXAMINATION OF THE PHOTOGRAPHS.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

WARBURTON ISLAND LIGHT, 2935, ON THE EAST SIDE OF THE ISLAND WAS NOT COVERED BY THE PHOTOGRAPHY.

48. GEOGRAPHIC NAME LIST:

ANNETTE ISLAND  
CREEK POINT  
DEER POINT  
GRASS ROCK  
GREY POINT  
HARRIS ISLAND  
HOTSPUR ISLAND  
MOSS POINT  
MULE ROCK  
TAMGAS HARBOR  
TENT POINT

FIELD EDIT REPORT  
TO ACCOMPANY T-12451

NOAA Ship McARTHUR (CSS-30)

Donald R. Tibbit  
Commander, NOAA  
Commanding Officer

51 METHODS

Manuscript T-12451 was field edited during September and October, 1970 by personnel aboard NOAA Ship McARTHUR in conjunction with hydrography on boat sheet MA 10-3-70. Shoreline was inspected visually from skiffs or by walking the shoreline. Rocks, rock ledges, reefs and the MW line were verified visually or, where changes were apparent, by sextant fixes. Verification of the manuscript is shown on the field photos in violet ink. Additions and corrections to the manuscript are shown on the field edit ozalid and/or the field photos in violet ink. The field edit ozalid is cross referenced to the following photos:

63W7473	63W7468 -	63W7380
63W7472	63W7563	63W7381
63W7471	63W7562	63W7382
63W7470	63W7560	63W7383
63W7469	63W7379	63W7384

52 ADEQUACY OF COMPILATION

Manuscript T-12451 is complete and adequate to use in conjunction with the hydrographic survey.

54 RECOMMENDATIONS

Manuscript T-12451 should be reissued next season so that the field edit at the North end of Hotspur Island can be completed.

56 MISCELLANEOUS

There were no field photos available for Harris and Hotspur Islands. The field edit of this area is shown on the field edit ozalid only. The small area of Hotspur Island noted on the field edit ozalid was not field edited.



REVIEW REPORT  
SHORELINE  
T-12451

61 - GENERAL STATEMENT

See Summary included with this report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S. Geological Survey Quadrangle: Ketchikan (A-5), Alaska, scale 1:63,360, dated 1955, with minor revisions 1962.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with registered hydrographic surveys H-9157 and H-9184.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS chart 17434, 9th edition, 1:80,000 scale, dated February 14, 1981.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by



Lowell O. Neterer, Jr.  
Final Reviewer

Approved for forwarding



Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section,  
Rockville

Chief, Photogrammetry Branch,  
Rockville

### RECORD OF APPLICATION TO CHARTS

**FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.**

## INSTRUCTIONS

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart**

**1. Letter all information.**

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Chats" in the Re-

[illegible]