

T-12446

T-12446

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12446	Edition No. 1
Job No. PH-6310	
Map Classification FINAL	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality ANNETTE ISLAND	
Locality SMUGGLER COVE	
19 <sup>63</sup> TO 19 <sup>70</sup>	
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 T# <u>12446</u>  MAP EDITION NO. <u>(1)</u>  MAP CLASS <u>Final</u>  JOB PH. <u>6310</u>	
OFFICER-IN-CHARGE  P. A. Stark		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__			
<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 <u>1:10,000</u>		STATE _____      ZONE _____	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>
1. AEROTRIANGULATION METHOD: _____ BY _____ LANDMARKS AND AIDS BY _____		E. L. Rolle	Jul 1964
2. CONTROL AND BRIDGE POINTS METHOD: _____ PLOTTED BY _____ CHECKED BY _____		J. D. Perrow R. H. Meyer	Jul 1964 Oct 1964
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Kelsh Plotter</u> SCALE: <u>1:10,000</u>		D. N. Williams Unknown N.A. N.A.	Oct 1964 Oct 1964 Oct 1964 Oct 1964
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth drafted</u> SCALE: <u>1:10,000</u>		R. H. Meyer J. L. Harris N.A. N.A.	Oct 1964 Nov 1964 Oct 1964 Oct 1964
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY _____		R. H. Meyer C. H. Bishop	Oct 1964 Nov 1964
6. APPLICATION OF FIELD EDIT DATA CHECKED BY _____		C. H. Bishop L. L. Graves	Nov 1964 Nov 1971
7. COMPILATION SECTION REVIEW BY _____		B. Wilson	Nov 1971
8. FINAL REVIEW BY _____		B. Wilson	Nov 1971
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY _____		L. O. Neterer, Jr.	Jul 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY _____		L. O. Neterer, Jr.	May 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION BY _____		P. Dempsey J. L. Dempsey	July 1986 Aug 86

NOAA FORM 76-36B  
(3-72)

T-12446

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

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8 "W"  
(focal length = 153.20 mm)TYPES OF PHOTOGRAPHY  
LEGEND

## TIME REFERENCE

## TIDE STAGE REFERENCE

- ☒ PREDICTED TIDES  
☐ REFERENCE STATION RECORDS  
☐ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR  
(P) PANCHROMATIC  
(I) INFRARED

## ZONE

☐ STANDARD

## MERIDIAN

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
63 W(P) 7178	Jul.1,1963	15:05	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-12443	T-12447	T-12450	No Survey

## REMARKS

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

T-12446

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	D. Tibbit	Aug. 1970
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY LOCATED ( <i>Field Methods</i> ) BY IDENTIFIED BY	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY D. Tibbit	Aug. 1970
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

63 W 7487 thru 7490

63 W 7498 thru 7502

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

1 Field edit Ozalid

1 Field edit Report

NOAA FORM 76-36D  
(3-72)

T-12446

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	Nov. 1964	Class III Manuscript		
Field edit applied. Compilation complete.	Nov. 1971	Class I Manuscript		
Final Reviewed	Jul. 1985	Final Map		

## II. LANDMARKS AND AIDS TO NAVIGATION None

## 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.

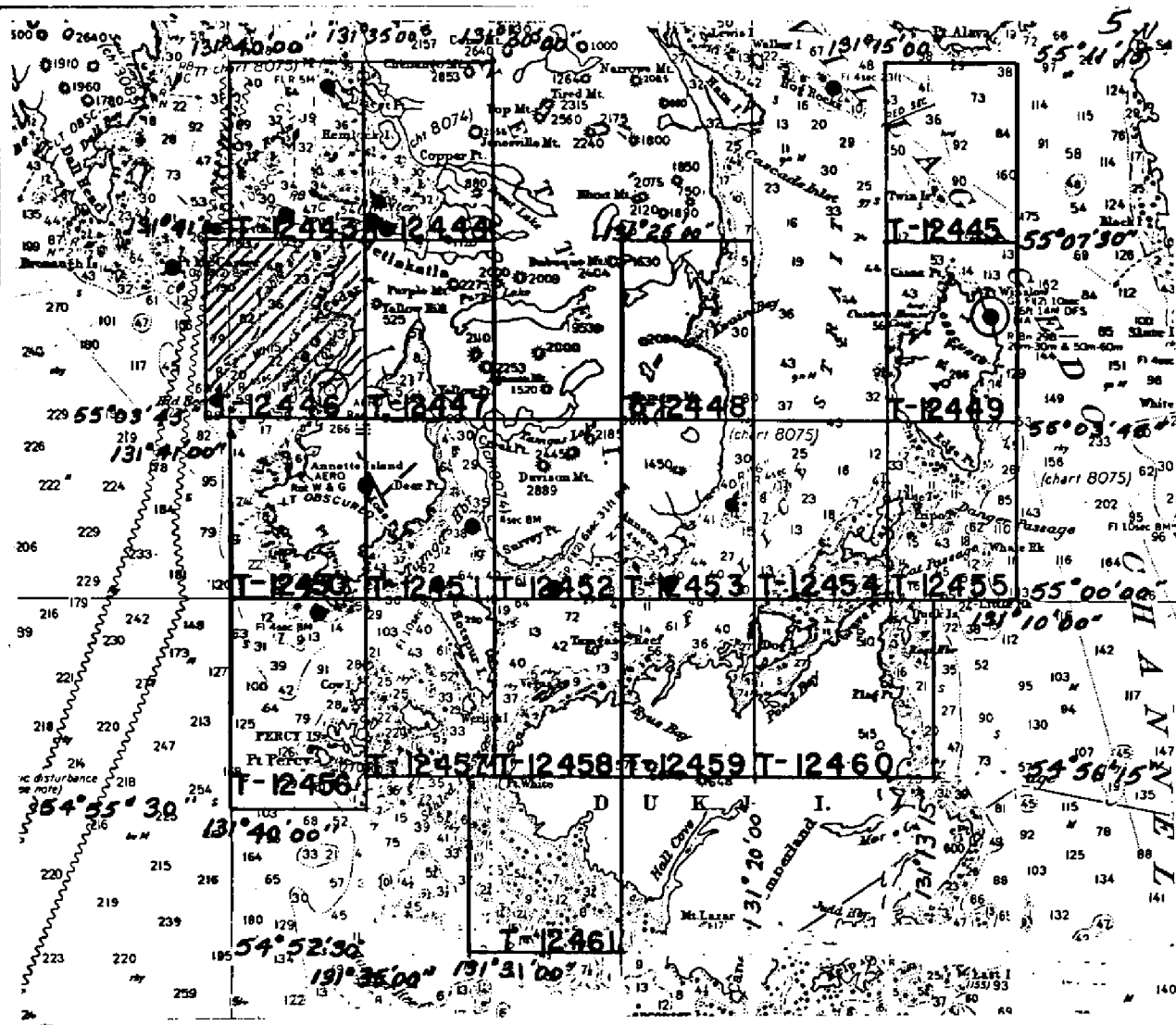
ACCOUNT FOR EXCEPTIONS:

Some source data located at ~~the~~ Wilkens Ave Storage Box 134. ☐ 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	

NOAA FORM 76-36D



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		

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT  
T-12446

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-12446

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.

## MAP T- 12446

PROJECT NO. 21069

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 ft. = 3048006 meter) FORWARD (BACK)
MIC (TOPO), 1961	ALASKA 55131 SUPP. No. 1 Pg. 1	N.A. 1927	55 05 09.047 131 35 17.526	
A POINT (FOREST AZIMUTH MARK), 1959	ALASKA 55131 Pg. 1	"	55 05 11.123 131 35 10.625	
FOREST, 1959	ALASKA 55131 Pg. 12	"	55 05 11.536 131 35 15.452	
METLAKATLA SOUTH BASE 1924	ALASKA 55131 Pg. 21	"	55 06 04.515 131 36 41.941	
			UTM ZONE 9	
NETT, 1964	UNADJUSTED FIELD COMP.	"	6 105 907.62 m 333 285.73 m	
COMPUTED BY R.H.M.	DATE 10-8-64	CHECKED BY C.H.B.	DATE 10-9-64	9

COMPILATION REPORT  
MAP MANUSCRIPT T-12446  
PROJECT 21069

ITEMS 31 THRU 36:

REFER TO COMPILATION REPORT FOR T-12443.

37. LANDMARKS AND AIDS:

TWO MICROWAVE TOWERS AT  $55^{\circ} 05' 10''$ ,  $131^{\circ} 35' 18''$  AND FIVE RADIO TOWERS AT  $55^{\circ} 04' 16''$ ,  $131^{\circ} 36' 10''$  HAVE BEEN LOCATED BY KELSH FOR POSSIBLE LANDMARKS.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH MANUSCRIPTS T-12443 ON THE NORTH, T-12447 ON THE EAST AND T-12450 ON THE SOUTH. THERE IS NO CONTEMPORARY SURVEY ON THE WEST.

40. HORIZONTAL AND VERTICAL ACCURACY:

ITEMS 46 AND 47:

REFER TO COMPILATION REPORT FOR T-12443.

APPROVED:

*for Leo T. Bugnet*  
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

CEDAR POINT

HID REEF

NICHOLS PASSAGE

SMUGGLER COVE

## FIELD EDIT REPORT

TO ACCOMPANY T-12446

NOAA Ship McARTHUR (CSS-30)

Donald R. Tibbit  
Commander, NOAA  
Commanding Officer51 METHODS

Manuscript T-12446 was field edited during June through August 1970 by personnel aboard NOAA Ship McARTHUR in conjunction with hydrography on boat sheets MA 10-1-70 and MA 10-2-70. Shoreline was inspected visually from skiffs or by walking the shoreline. Rocks, rock ledges, reefs and the MHW line were verified visually or, where changes were apparent, with sextant fixes. Verifications, additions, and corrections are shown on the field edit ozalid and when possible on the field photos in violet ink. The field edit ozalid is cross referenced to the following photos:

63W7490  
63W7489  
63W7488  
63W7487  
63W7498  
63W7499  
63W7500  
63W7501  
63W7502

52 ADEQUACY OF COMPILATION

Manuscript T-12446 is complete and adequate to use in conjunction with the hydrographic survey.

54 RECOMMENDATIONS

None.

56 MISCELLANEOUS

There were no field photos available covering the Hid Reef area of the manuscript. This area was field edited using the field edit ozalid only; and all information is shown on the field edit ozalid.

REVIEW REPORT  
SHORELINE  
T-12446

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 survey H-9157.


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

[illegible]



TYPE OF ACTION		RESPONSIBLE PERSONNEL	
		NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD			<input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED		D. Tibbitt	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		C. Blood	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)			
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75		<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982	
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75		<b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>	
<b>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b>			

### 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 Charts" in the Re-

[illegible]