

12185

12185

FORM C&GS-504	
U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey <u>SHORELINE (Photogrammetric)</u>	
Field No. ....	Office No. <u>T-12185</u>
<b>LOCALITY</b>	
State <u>ALASKA</u>	
General locality <u>KEKU STRAIT</u>	
Locality <u>KEKU ISLAND, NE</u>	
<u>1961-1969</u>	
<b>CHIEF OF PARTY</b>	
<u>Alfred C. Holmes, Director, AMC</u>	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE .....	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

T - 12185

PROJECT NO. (II):

PH-6206

FIELD OFFICE (III):

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center  
Photogrammetric Branch

OFFICER-IN-CHARGE

Alfred C. Holmes, Director, AMC

INSTRUCTIONS DATED (II) (III):

January 18, 1965	OFFICE
November 26, 1965	OFFICE SUPPLEMENT I
March 18, 1966	OFFICE AMENDMENT I
May 11, 1965	FIELD
June 14, 1965	FIELD

METHOD OF COMPILATION (III):

Wild - B-8 & Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:8,333

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

Sept. 4, 1975

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III): MHW

~~MLLWS~~ EXCEPT AS FOLLOWS:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., ~~MLLWS~~ mean lower low water

REFERENCE STATION (III):

CHAN 1927

LAT.:

56° 58' 30.749"

LONG.:

133° 59' 37.554"

ADJUSTED

UNADJUSTED

PLANE COORDINATES (IV):

1 878 297.69

x = 2 620 385.73

STATE

Alaska

ZONE

1

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.  
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

**DESCRIPTIVE REPORT - DATA RECORD**  
**T-12185**

FIELD INSPECTION BY (II): <b>None</b>		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  <b>Air photo compilation</b>  <b>Date of Phogoraphy - July 29, 1965</b>		
PROJECTION AND GRIDS RULED BY (IV): <b>A. E. Roundtree</b>		DATE <b>11-03-65</b>
PROJECTION AND GRIDS CHECKED BY (IV): <b>R. S. Kornspan</b>		DATE <b>11-03-65</b>
CONTROL PLOTTED BY (III): <b>R. Smith</b>		DATE <b>01-11-66</b>
CONTROL CHECKED BY (III): <b>C. H. Bishop</b>		DATE <b>01-11-66</b>
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): <b>C. M. Ball</b>		DATE <b>Nov. 1965</b>
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY <b>L. O. Neterer, Jr.</b>	DATE <b>01-28-66</b>
	CONTOURS <b>Inapplicable</b>	DATE
MANUSCRIPT DELINEATED BY (III): <b>L. O. Neterer, Jr.</b>		DATE <b>03-01-66</b>
SCRIBING BY (III): <b>F. P. Margiotta</b>		DATE <b>01-16-69</b>
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <b>COMPILATION: C.H. Bishop</b> <b>FIELD EDIT: C.H. Bishop</b> <b>SCRIBING &amp; STICK-UP: R.E. Smith</b>		DATE <b>03-03-66</b> <b>01-14-69</b> <b>01-28-69</b>
REMARKS: <b>Field Edit by:</b>  <b>Chip PATTON</b>		<b>June 1968</b>

DESCRIPTIVE REPORT - DATA RECORD  
T-12185

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "W" and Wild RC-9 "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61 W 9404 and 9405	16 July 1961	0845 PST	1:20,000	0.4 ft. above MLLW
65 M 274	29 July 1965	0943 PST	1:50,000	2.7 ft. below MLLW

TIDE (III) PREDICTED

DIURNAL

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Ketchikan		13.0	15.4
SUBORDINATE STATION: Kake, Keku Strait		11.7	14.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

Leo F. Beugnet, AMC

DATE:

Sept. 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

T-12185

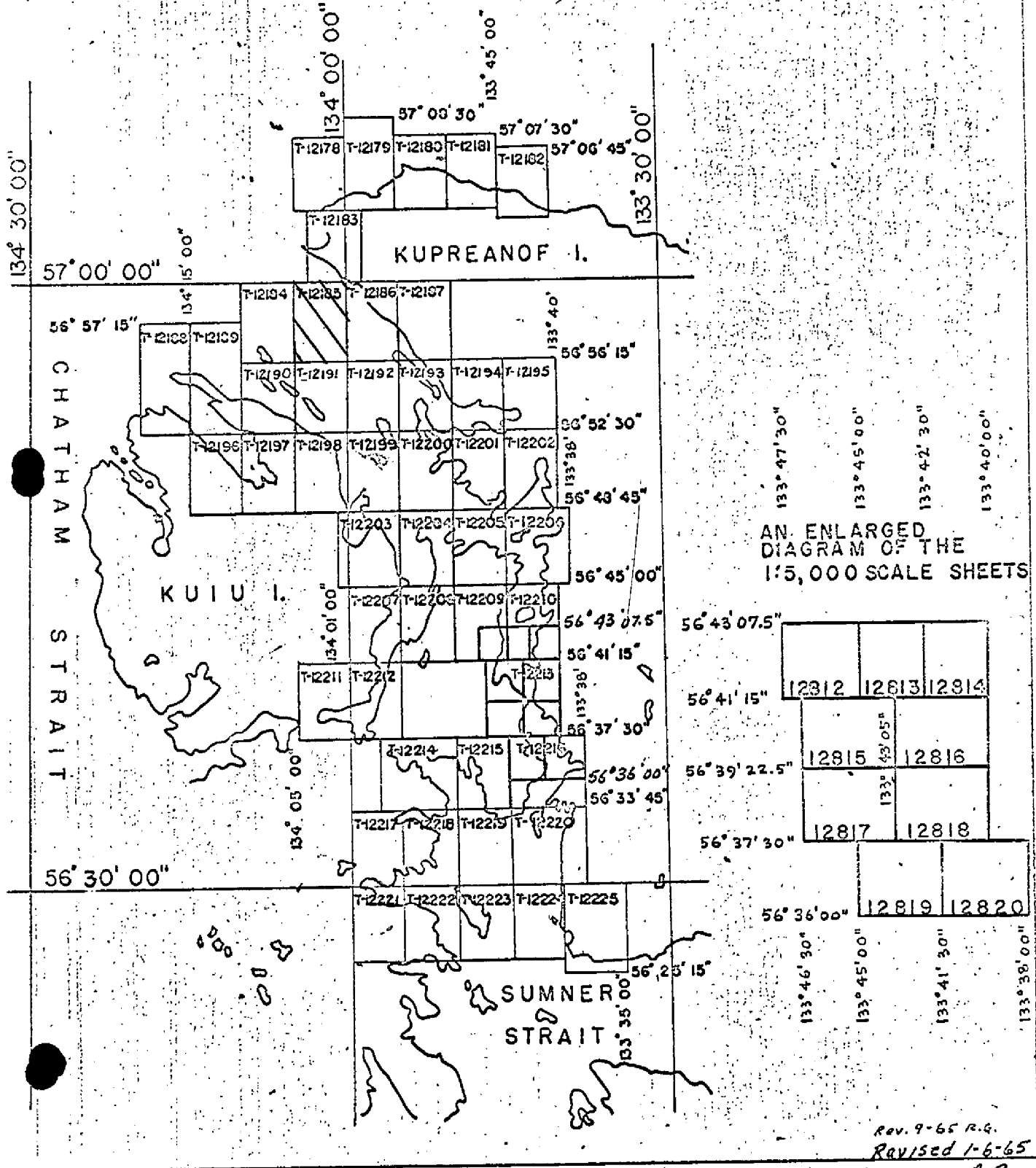
COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit		
Alongshore area for hydro	March 1966	Superseded
Field edit applied Manuscript complete	Jan. 1969	<i>Superseded</i>
Final Review	Sept. 1971 <i>Nov. 1972</i>	<i>Superseded</i>
<i>Discrepancies with reviewed hydro Surveys resolved; Addendum added to reviewed report</i>	<i>Nov. 1972</i>	

# SHORELINE MAPPING PROJECT

Ph-6206

## KEKU STRAITS, ALASKA

### SCALE 1:10,000



Rev. 9-65 R.G.  
Revised 1-6-65  
A.R.

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12185

Shoreline survey T-12185 is one of 5<sup>3</sup> similar surveys to project PH-6206. The primary purpose of the project was to provide modern shoreline and photo-hydro support data for hydrographic surveys in the Keku Strait area. See page 5 for the area covered by the project and the location of this survey within the project.

There was no field work prior to compilation with the exception of identification of horizontal control for aerotriangulation. The survey was field edited during the course of hydrography.

Compilation was at 1:10,000 scale by graphic methods using the photography of July 1961 and July 1965. Copies of the incomplete manuscript along with specially prepared photographs and ozalids were furnished for transfer of the shoreline to the boat sheet, photo-hydro support use and field edit.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude. After application of field edit data the survey was scribed and reproduced on cronaflex. Final review was in the Atlantic Marine Center in September 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.



FIELD INSPECTION REPORT  
PH-6206  
T-12185

No field inspection prior to compilation.

Photogrammetric Plot Report  
Project PH-6206  
Keku Straits, Alaska  
November 1965

21. Area Covered

This report covers an area of Alaska in the upper portion of Keku Straits and its confluence with Frederick Sound.

22. Method

Analytic aerotriangulation methods were used to bridge four strips of "M" photography at the scale of 1:50,000. The attached sketch of strips bridged shows the amount and placement of triangulation furnished. Closures to control and to tie points have been tabulated.

23. Adequacy of Control

Horizontal control (pre-marked targets) identified and required to adjust the strips bridged was slightly above our minimum requirements. Two of the four strips were adjusted using only three stations and common tie points as a check to our bridging accuracy. The final results are well within the National Standards of Map Accuracy for the fourteen shoreline sheets to be compiled (T-12178, T-12179, T-12183 through T-12192, T-12196 and T-12197).

Control stations that were not used in our final adjustment follow: (1) CORN, 1925, this station is on the tip of a peninsula and so situated that it was impossible to set a model in which this station could have been of any value to our work; (2) KEKU, 1927, this target was not visible on either the film or the plates. It is our belief, based upon the published description, that the target might have washed away; (3) HAM, 1927, this station was used on Strip #2, however on Strip #3 the target was not visible because the lay-over of trees near the station obscured the target on one photograph.

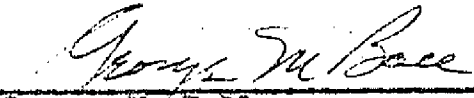
24. Supplemental Data

Numerous U.S.G.S. quads were used to obtain elevations required for the final adjustment.

25. Photography

Photography was adequate with regard to coverage, overlap and image defination.


Respectfully submitted:

---

George M. Ball

Approved and forwarded:

---

Henry P. Eichert  
Acting Chief, Aerotriangulation Section

CLOSURE TO CONTROL AND TIE POINTS  
(feet)

STRIP #1

BENDEL, 1917	( 0.0	-0.1)
KELP, 1965	(-0.1	-0.1)
PINT, 1965	(-0.1	-0.1)

STRIP #2

BENDEL, 1917	(+1.3	0.0)
CART, 1927	(-2.0	-0.6)
KAKE, 1927	(-1.4	+0.1)
AGE, 1927	(+1.3	+0.6)
AMY, 1927	(-0.5	-0.4)

TIES TO STRIP #1

08401	(-0.2	+ 2.6)
08402	(-0.9	+10.1)
08402	(-0.9	+ 9.6)

TIES TO STRIP #3

27401	(+6.7	+ 6.2)
28401	(+9.0	+ 9.1)
29401	(+3.4	- 2.4)
29401	(+5.5	- 0.7)
29402	(+9.5	+ 6.0)
29403	(+8.2	+ 3.7)
33401	(+3.2	+ 0.4)
33402	(+5.0	+ 5.4)

STRIP #3

KAKE, 1927	(+1.8	-2.1)
ALTO, 1927	(-2.0	+0.5)

STRIP #3 cont.

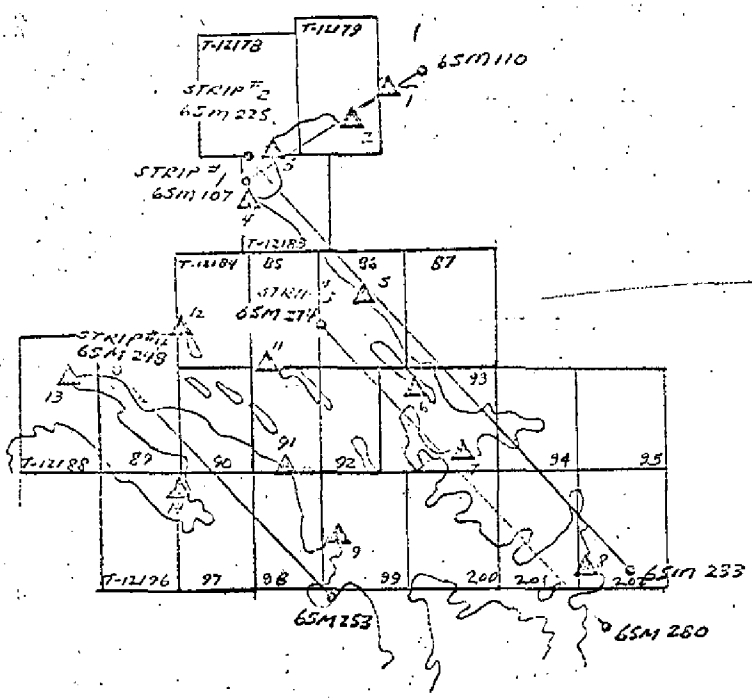
HAM, 1927	(-2.8	-0.9)
AGE, 1927	(+3.4	+3.1)
AMY, 1927	(-0.6	-0.9)

STRIP #4

GNAW, 1965	(-0.1	0.0)
LOW, 1927	(-0.1	0.0)
LUCK, 1927	(-0.1	0.0)

TIES TO STRIP #3

74401	(+0.1	+0.2)
74401	(+0.3	+0.6)
75401	(+9.3	-6.2)
76401	(+3.1	+3.2)
76402	(+6.7	+5.4)



KEKU STRAITS, ALASKA  
 PH - 6206  
 SHORELINE MAPPING  
 SCALE 1:10,000  
 SINGLE LENS PHOTO.  
 SCALE 1:50,000

- KEY TO TRIANGULATION
1. PINT, 1965
  2. KEMP, 1965
  3. BENDEL, 1917
  4. CART, 1927
  5. KAKE, 1927
  6. HAM, 1927
  7. AGE, 1927
  8. ARMY, 1927
  9. LUCK, 1927
  10. LOW, 1927
  11. ALTO, 1927
  12. KEKU, 1927
  13. CORN, 1925
  14. SNAY, 1965

Job PH-6206  
Keku Straits, Alaska

Notes to Compiler

The drill holes have been cleaned, however, it is suggested that due to the methods by which the plates have been transported the holes be recleaned. The method that we have found most practical has been to gently tap the area around the drill hole with scotch tape; this will remove any emulsion which may have fallen back into the holes.

The difference between the dates of the photography (M 65 E to E plates and W 61 and 62 Kelsh plates) as well as the scale difference (M 1:50,000 and the W 1:20,000) caused the pug operators a great amount of trouble, hence, it is advisable to have the Kelsh operators drop as many additional points to help control the surrounding models.

The Kelsh operators will also have some models that have only three points, this unfortunate condition could not be avoided.

There are areas within the project limits that cannot be delineated by using the Kelsh plotter, therefore, the M photography will have to be set in the E-8's. The methods by which the shoreline is to be delineated and the field ratio prints are to be furnished for hydro support will be up to the Compilation Office. Kelsh plates have been ordered to cover the whole area even though only 50 percent of the plates have been drilled. These plates may or may not be of any additional help to you, however, we have tried to furnish all the available material.




The following list indicates those Kelsh models that can be set:

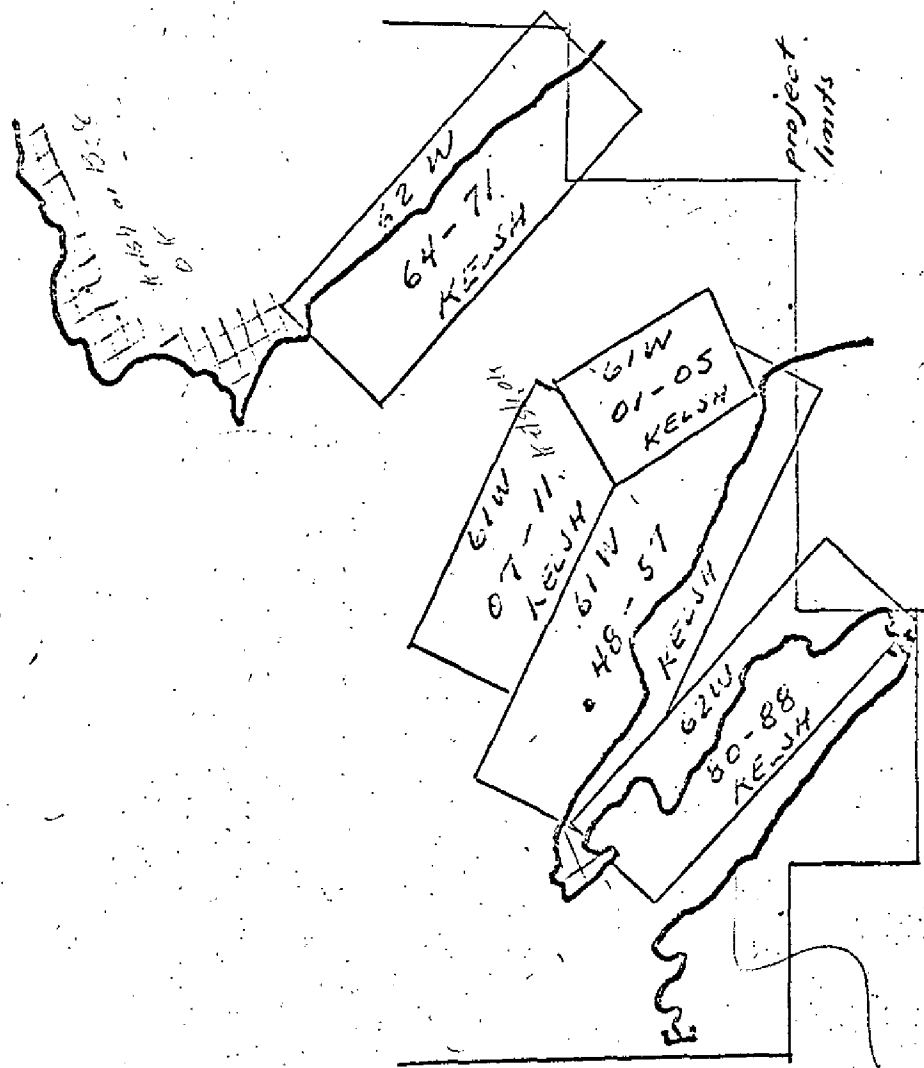
- 61 W 9348 - 57
- 61 W 9401 - 05
- 61 W 9407 - 11
- 62 W 5480 - 88
- 62 W 5564 - 71

and the additional Kelsh plates furnished but not drilled:

- 62 W 5478 - 79
- 62 W 5491 - 97
- 62 W 5507 - 15
- 62 W 5560 - 63

The attached diagram shows (1) the areas that can be compiled with the Kelsh plotter, (2) the areas to be compiled either with the B-8 or graphically, and (3) the area within the project limits which cannot be compiled. This problem has been called to the attention of Mr. Heywood. This diagram should be used only as a reference diagram, the final project and control diagram will accompany the Photogrammetric Plot Report.

 CAN NOT BE COMPILED  
 GRAPHICALLY OR B-S  
 KELSH



NEW STRAITS  
 99th and 100th  
 CONSIDERED TO BE  
 FURNISHED BY  
 ENGINEERING  
 1966

100th  
 99th

NEW STRAITS

100th



U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
CONTROL RECORD

DESCRIPTIVE REPORT

MAP T. 12185 PROJECT NO. PH-6206 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR <i>y</i> -COORDINATE LONGITUDE OR <i>x</i> -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LI IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
			<i>None</i>						

COMPILATION REPORT  
PH-6206  
T-12185

31. DELINEATION:

All details on the manuscript were compiled by graphic methods. The photographs were satisfactory.

32. CONTROL:

See Photogrammetric Plot Report Keku Straits, Alaska, dated November 1965.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours were inapplicable. No drainage was compiled.

35. SHORELINE AND ALONGSHORE DETAILS:

See item #36.

36. OFFSHORE DETAILS:

The only details on this sheet are offshore islands and foul areas. No difficult was encountered in compiling these features.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEY:

None.

39. JUNCTIONS:

Junctions are in agreement with T-12183 to the north, T-12191 to the south, T-12184 to the west and T-12186 to the east.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

41. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quadrangle PORT ALEXANDER, (D-1), ALASKA, scale 1:63,360, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with chart 8201 Eldin Island to Midway Island including Sumner Strait, scale 1:217,828, dated 11th edition, revised 7-20-64.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

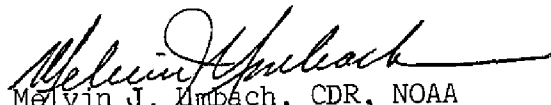
None.

Submitted by:



Frank P. Margiotta  
Cartographic Aid

Approved for forwarding:



Melvin J. Umbach, CDR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:



Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

#19

August 5, 1971

GEOGRAPHIC NAMES  
FINAL NAME SHEET  
PH-6206 (Alaska)

T-12185

Frederick Sound  
Keku Strait

Approved by:

*A. Joseph Wright*  
A. Joseph Wright  
Chief Geographer

Prepared by:

*Frank W. Pickett*  
Frank W. Pickett  
Cartographic Technician

T-12185

49. NOTES TO THE HYDROGRAPHER.

1. Compilation was done without the aid of field inspection; therefore, the office inspection of the mean high water line, character of the foreshore, foul areas, and ledge limits should be verified.
2. All rock data is to be added by the Hydrographer.

PHOTOGRAMMETRIC OFFICE REVIEW

T-12185

27  
20

1. PROJECTION AND GRIDS <b>CHB</b>		2. TITLE <b>CHB</b>		3. MANUSCRIPT NUMBERS <b>CHB</b>		4. MANUSCRIPT SIZE <b>CBH</b>	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <b>XX</b>				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <b>XX</b>		7. PHOTO HYDRO STATIONS <b>XX</b>	
8. BENCH MARKS <b>XX</b>		9. PLOTTING OF SEXTANT FIXES <b>XX</b>		10. PHOTOGRAMMETRIC PLOT REPORT <b>Bridge (W.O.)</b>		11. DETAIL POINTS <b>Wild B-8</b>	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE <b>CHB</b>		13. LOW-WATER LINE <b>XX</b>		14. ROCKS, SHOALS, ETC. <b>CHB</b>		15. BRIDGES <b>XX</b>	
16. AIDS TO NAVIGATION <b>XX</b>		17. LANDMARKS <b>XX</b>		18. OTHER ALONGSHORE PHYSICAL FEATURES <b>XX</b>		19. OTHER ALONGSHORE CULTURAL FEATURES <b>XX</b>	
PHYSICAL FEATURES							
20. WATER FEATURES <b>CHB</b>				21. NATURAL GROUND COVER <b>XX</b>		22. PLANETABLE CONTOURS <b>XX</b>	
23. STEREOSCOPIC INSTRUMENT CONTOURS <b>XX</b>		24. CONTOURS IN GENERAL <b>XX</b>		25. SPOT ELEVATIONS <b>XX</b>		26. OTHER PHYSICAL FEATURES <b>XX</b>	
CULTURAL FEATURES							
27. ROADS <b>XX</b>		28. BUILDINGS <b>XX</b>		29. RAILROADS <b>XX</b>		30. OTHER CULTURAL FEATURES <b>XX</b>	
BOUNDARIES							
31. BOUNDARY LINES <b>XX</b>				32. PUBLIC LAND LINES <b>XX</b>			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES <b>CHB</b>				34. JUNCTIONS <b>CHB</b>		35. LEGIBILITY OF THE MANUSCRIPT <b>CHB</b>	
36. DISCREPANCY OVERLAY <b>XX</b>		37. DESCRIPTIVE REPORT <b>CHB</b>		38. FIELD INSPECTION PHOTOGRAPHS <b>XX</b>		39. FORMS <b>CHB</b>	
40. REVIEWER <i>Charles H. Bishop</i> <b>C.H. Bishop</b>				SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> <b>Albert C. Rauck, Jr.</b>			
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 <i>A.L. Shands</i> <b>A.L. Shands</b>				SUPERVISOR <i>Albert C. Rauck, Jr.</i> <b>Albert C. Rauck, Jr.</b>			
REV. BY: <b>C.H. Bishop</b>				1/8/69 1/14/69			
43. REMARKS <b>Field edit applied from Field Edit Ozalid.</b>							

T-12185

FIELD EDIT REPORT

There were no field edit reports submitted with the field edit covering the 1966 to 1968 season's work, and no Form 567 was submitted to the compilation office by the field party.



## REVIEW REPORT T-12185

## SHORELINE

SEPTEMBER 7, 1971

61. GENERAL STATEMENT

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

There were no prior registered topographic surveys available for comparison purposes at the time of final review.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS PORT ALEXANDER (D-1), ALASKA quadrangle. This is a 1:63,360 scale survey made in 1948 with minor revisions in 1963. The two surveys appear to be in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with copies of boat sheets H-9000 (PA 10-3-66) and H-9040 (DA 10-4-68). The surveys are in good agreement. Three rocks at latitude  $56^{\circ} 59.1'$  longitude  $134^{\circ} 01.2'$  are visible on Photo 65M 274 and were added to the manuscript. A rock at latitude  $56^{\circ} 59.0'$  longitude  $134^{\circ} 01.35'$  is not visible on photographs of the area and is indicated on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 8201, 1:217,828 scale, 16th edition, dated November 7, 1970. The two surveys are in good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:



Leo F. Beugnet  
Cartographer

Approved for forwarding:



Melvin J. Umbach, CDR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:



Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch    Chief, Coastal Mapping Division

## ADDENDUM TO REVIEW REPORTS

T-12178, T-12179, AND T-12183 THROUGH T-12202

After Maps T-12178, T-12179, and T-12183 through T-12202 had been final reviewed and the reports written and signed, and the hydrographic surveys had been verified and reviewed, the Marine Chart Division requested additional review of the photogrammetric manuscripts to aid in resolving discrepancies between the hydrographic and photogrammetric surveys. Discrepancy prints of each T-sheet and verified copies of the hydrographic surveys were furnished to aid in this review. H-9041 Boat Sheet was used for T-12198 through T-12202, as a verified copy of this survey was not available to the reviewer.

Copies of the hydrographic surveys were used as aids to verify what could be seen on the photographs of the area: If a feature on the hydrographic survey was not positively identifiable on the photographs, it was not added to the T-sheet. This review resulted in the revision of several ledges, some mean high water line, and the addition of several rocks awash. The hydrographer's elevations were not added to the photogrammetric manuscripts.

Questions on the discrepancy prints were answered on separate ozalids and returned to the Marine Chart Division, along with a Chart Maintenance Print reflecting differences between the Advance Manuscript and the Final Reviewed Manuscript for each map.

Comparison prints bound with this report reflect differences with the verified hydrographic surveys, except T-12198 through T-12202, rather than the boat sheets. The sources for shoreline on the verified hydrographic surveys were copies of Advance Manuscripts; therefore, shoreline agreement is generally good.

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
January, 1973

x=2,615,000 FT.

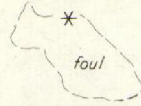
01'30"

01'

00'30"

134°00'00"

57°00'00"

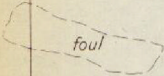
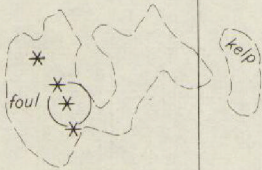


D



y=1,885,000 FT.

59'30"



No differences with  
H-9000 (reviewed copy)

59'



y=1,880,000 FT.