

12192

12192

FORM C&GS-504 U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
<i>Type of Survey</i> SHORELINE (PHOTOGRAMMETRIC)	
<i>Field No.</i>	<i>Office No.</i> T-12192
LOCALITY	
<i>State</i>	Alaska
<i>General locality</i>	Keku Strait
<i>Locality</i>	Kousk Island
<hr/> 1965-1969	
CHIEF OF PARTY	
Alfred C. Holmes, Director, AMC	
LIBRARY & ARCHIVES	
DATE	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD
T - 12192

PROJECT NO. (II): <p style="text-align: center;"><i>PH-6206</i></p>														
FIELD OFFICE (III):	CHIEF OF PARTY													
PHOTOGRAMMETRIC OFFICE (III): <p style="text-align: center;">Atlantic Marine Center Photogrammetric Branch</p>	OFFICER-IN-CHARGE <p style="text-align: center;">Alfred C. Holmes, RADM, NOAA Director, Atlantic Marine Center</p>													
INSTRUCTIONS DATED (II) (III): <table style="width:100%; border: none;"> <tr> <td style="width: 50%;">January 18, 1965</td> <td>OFFICE</td> </tr> <tr> <td>November 26, 1965</td> <td>OFFICE SUPPLEMENT I</td> </tr> <tr> <td>March 18, 1966</td> <td>OFFICE AMENDMENT I</td> </tr> <tr> <td>August 1, 1966</td> <td>OFFICE AMENDMENT II</td> </tr> <tr> <td>May 11, 1965</td> <td>FIELD</td> </tr> <tr> <td>June 14, 1965</td> <td>FIELD</td> </tr> </table>			January 18, 1965	OFFICE	November 26, 1965	OFFICE SUPPLEMENT I	March 18, 1966	OFFICE AMENDMENT I	August 1, 1966	OFFICE AMENDMENT II	May 11, 1965	FIELD	June 14, 1965	FIELD
January 18, 1965	OFFICE													
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August 1, 1966	OFFICE AMENDMENT II													
May 11, 1965	FIELD													
June 14, 1965	FIELD													
METHOD OF COMPILATION (III): <p style="text-align: center;">Wild B-8 instrument</p>														
MUSCRIPT SCALE (III): <p style="text-align: center;">1:10,000</p>	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): <p style="text-align: center;">1:8,333 pantographed to 1:10,000</p>													
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):													
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV): <p style="text-align: right;"><i>Sept. 4, 1975</i></p>												
GEOGRAPHIC DATUM (III): <p style="text-align: center;">N. A. 1927</p>	VERTICAL DATUM (III): <i>MHW</i> MEAN SEA LEVEL EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., mean lower low water mean lower low water													
REFERENCE STATION (III): <p style="text-align: center;">GLOOM 1927 ✓</p>														
LAT.: <p style="text-align: center;">56° 54' 07.218" (223.3m)</p>	LONG.: <p style="text-align: center;">133° 58' 00.066" (1.1 m)</p>	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED												
PLANE COORDINATES (IV): <p style="text-align: center;">1,851,530.60 ft. ✓ x = 2,625,670.81 ft. ✓</p>	STATE: <p style="text-align: center;">Alaska ✓</p>	ZONE: <p style="text-align: center;">1 ✓</p>												
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

FIELD INSPECTION BY (III): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photography: 29 July 1965		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 11-04-65
PROJECTION AND GRIDS CHECKED BY (IV): R. S. Kornspan		DATE 11-04-65
CONTROL PLOTTED BY (III): R. E. Smith		DATE 1-12-66
CONTROL CHECKED BY (III): C. H. Bishop		DATE 1-12-66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): G. M. Ball		DATE 11- -65
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY Reviewed by: L. O. Neterer	DATE 3-14-66
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): L. O. Neterer		DATE 8-18-66
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):	COMPILATION: C. H. Bishop FIELD EDIT: C. H. Bishop SCRIBING & STICKUP:	DATE 9-03-66 2-03-69
REMARKS: FIELD EDIT BY: SHIP PATTON June 1968		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild RC-9 "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65 M 275	29 July 1965	0945 PST	1:50,000	(from predicted tables) 2.5 ft. below MLW

TIDE (III) PREDICTED

diurnal

	RATIO OF RANGES	MEAN RANGE	SEMI 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. Beugnot, RMC* DATE: *November 1971*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): RECOVERED: IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (III): RECOVERED: IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore area for hydro	September 1966	Superseded
Field edit applied	January 1969	<i>Superseded</i>
<i>Final Review</i>	<i>Nov. 1971 & Dec 1972</i>	
Discrepancies with reviewed hydro surveys resolved; Addendum added to Review Report	Dec. 1972	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12192

Shoreline survey T-12192 is one of 53 similar surveys in 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 Wild B-8 instrument 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 November 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

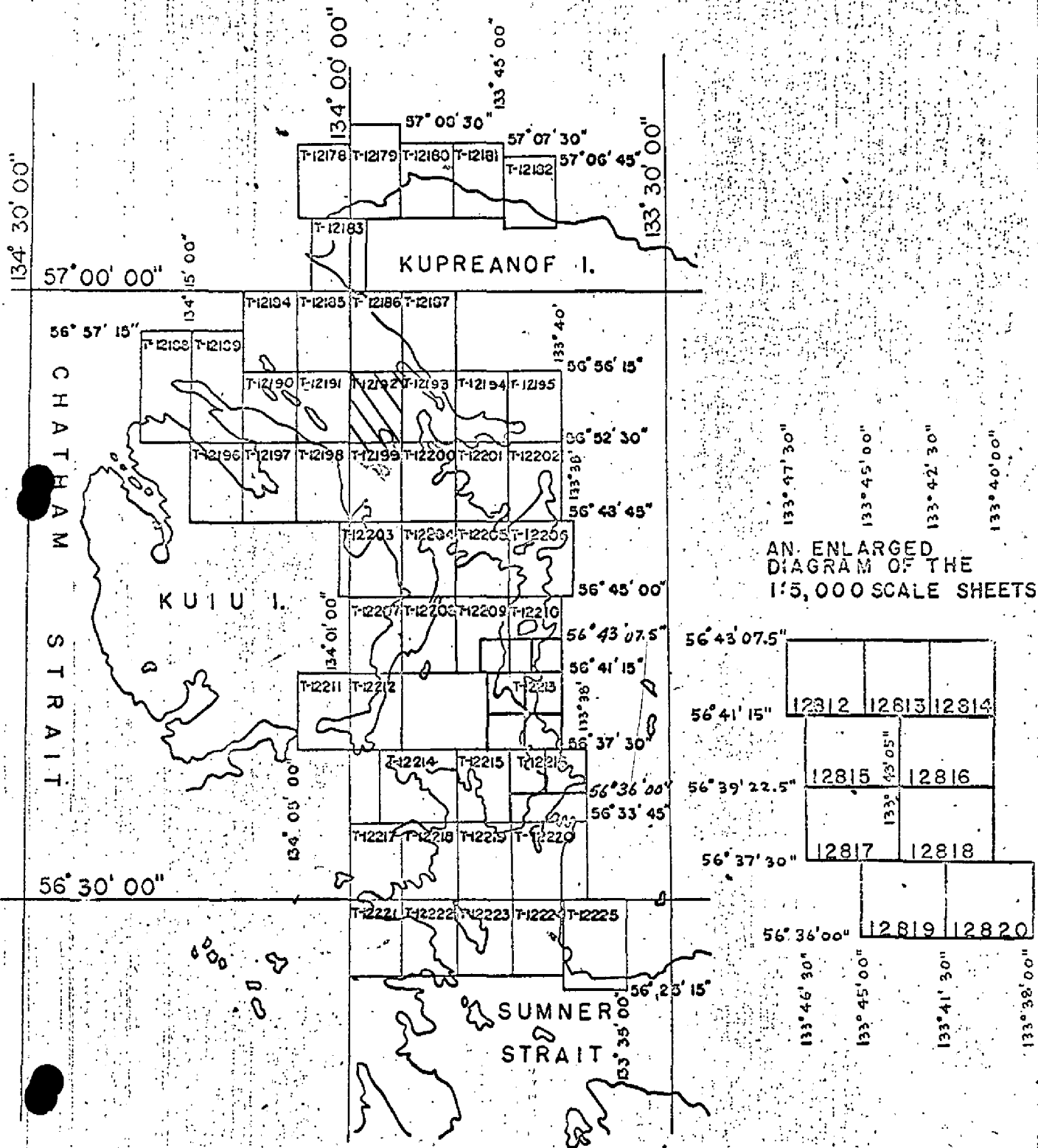
SHORELINE MAPPING PROJECT

Ph-6206

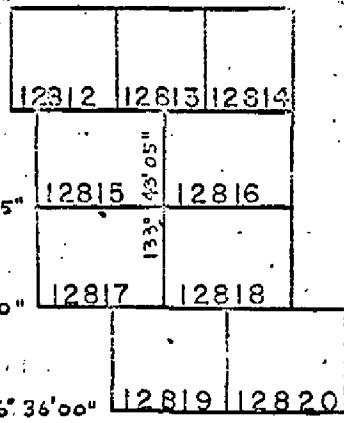
KEKU STRAITS, ALASKA

SCALE 1:10,000

5



AN ENLARGED
DIAGRAM OF THE
1:5,000 SCALE SHEETS



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

A.R.

FIELD INSPECTION REPORT
T-12192
Project PH-6206

There was no field inspection prior to compilation.

8

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, overlay and image defination.

Respectfully submitted:

George M. Ball
George M. Ball

Approved and forwarded:

Henry P. Eichert
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
 S.S. (-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.

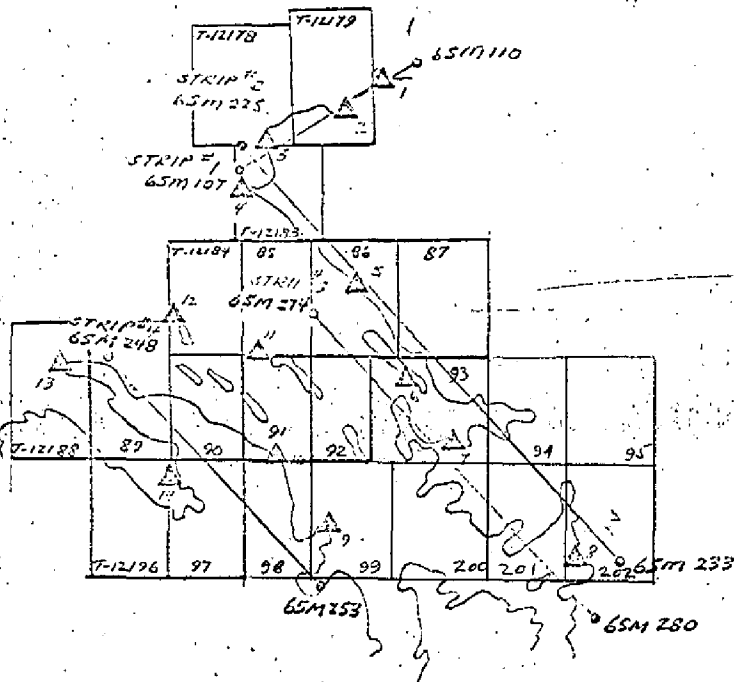
HAM, 1927
 (-2.8 -0.9)
 AGE, 1927
 (+3.4 +3.1)
 AMY, 1927
 S.S. (-0.6 -0.9)

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. PIET, 1955
2. KELL, 1955
3. BENDEL, 1917
4. CART, 1927
5. KAKE, 1927
6. HAM, 1927
7. AGE, 1927
8. AMY, 1927
9. LUCK, 1927
10. LOW, 1927
11. ALTO, 1927
12. Keku, 1927
13. CORN, 1925
14. SNAY, 1955

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

MAP T. 12192 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		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
GLOOM 1927	Vol. II P. 355 and 56133 p. 12	NA 1927	56	54	07.218	223.3	(1632.7)	✓		
			133	58	00.066	1.1	(1014.4)	✓		
#	56133 p. 12	"	1	851	530.60	1530.6	(3469.4)	✓		
			2	625	670.81	670.8	(4329.2)	✓		
KNOB 1927	Vol. II P. 365 and 56133 p. 17	"	56	54	51.413	1590.4	(265.6)	✓		
			133	55	37.649	637.0	(378.2)	✓		
#	56133 p. 17	"	1	855	982.92	982.9	(4017.9)	✓		
			2	633	595.76	3595.8	(1404.2)	✓		
SEAL 1927	Vol. II P. 355 and 56133 p. 29	"	56	52	37.404	1157.0	(699.0)	✓		
			133	57	57.999	982.4	(33.9)	✓		
#	56133 p. 29	"	1	842	416.11	2416.1	(2583.9)	✓		
			2	625	745.66	745.7	(4254.3)	✓		

COMPILATION REPORT
Map Manuscript T-12192
Project Ph-6206

31. DELINEATION

Planimetry was compiled by Wild B-8. Photography was satisfactory.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

No drainage was compiled on this manuscript.

35. SHORELINE AND ALONGSHORE DETAILS

There was no field inspection prior to compilation. Shoreline and alongshore details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS

Offshore details were compiled from office interpretation of the photographs. They should be carefully checked by the field editor.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junctions were made with T-12191 to the west, T-12186 to the north, and T-12193 to the east. T-12199 to the south has not been compiled as of the writing of this report.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle PETERS-BURG (D-6), ALASKA, scale 1:63,360 dated 1948. Discrepancies are noted on the Field Edit Ozalid.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart 8201, scale 1:217,828, revised 7/20/64. No discrepancies were noted.

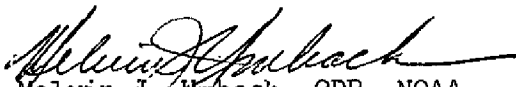
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

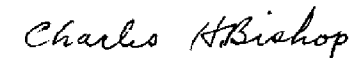
ITEMS TO BE CARRIED FORWARD

None.

Approved for forwarding:


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

Submitted:


Charles H. Bishop
Cartographer

Approved:


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

October 20, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206

T-12192

Eva Island

Hound Island

Keku Islands

Keku Strait

Kousk Island

Approved by:

A. Joseph Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

1. Foul, shoal, and reef areas and rocks shown on this manuscript were determined by office interpretation of aerial photographs in the area and are shown to aid the hydrographer in locating possible hazardous areas. Their existence and extent should be verified by the hydrographer. If a foul, shoal, or reef area or rock does not exist, this fact should be noted on the field edit ozalid.
2. There was no field inspection prior to compilation; therefore, occasional measurements should be made from identifiable points on the photographs to the MHWL to verify compilation.
3. Heights of rocks, reefs, and any other offshore obstructions should be obtained.
4. If there are landmarks or aids to navigation within the area of this sheet, investigate and submit Form 567.
5. Give character of foreshore areas (mud, sand, rocky, etc.).
6. See Field Edit Ozalid for other notes.

PHOTOGRAMMETRIC OFFICE REVIEW

~~T-12268~~ 12192

1. PROJECTION AND GRIDS CHB		2. TITLE CHB		3. MANUSCRIPT NUMBERS CHB		4. MANUSCRIPT SIZE	
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) XX			7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX		9. PLOTTING OF SEXTANT FIXES XX		10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE - W.O.		11. DETAIL POINTS XX	
ALONGSHORE AREAS (Nautical Chart Data)							
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 CHB	
PHYSICAL FEATURES							
20. WATER FEATURES CHB			21. NATURAL GROUND COVER CHB			22. PLANETABLE CONTOURS XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS XX		24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		26. OTHER PHYSICAL FEATURES CHB	
CULTURAL FEATURES							
27. ROADS XX		28. BUILDINGS CHB		29. RAILROADS XX		30. OTHER CULTURAL FEATURES XX	
BOUNDARIES							
31. BOUNDARY LINES XX				32. PUBLIC LAND LINES XX			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES CHB			34. JUNCTIONS CHB			35. LEGIBILITY OF THE MANUSCRIPT CHB	
36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT CHB		38. FIELD INSPECTION PHOTOGRAPHS XX		39. FORMS CHB	
40. REVIEWER CHB <i>Charles H. Bishop</i> Sept. 1966				SUPERVISOR, REVIEW SECTION OR UNIT ACR <i>Albert C. Rauch, Jr.</i>			
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>		1-23-69		SUPERVISOR <i>Albert C. Rauch, Jr.</i>		A. C. R.	
REVIEWER: <i>C. H. Bishop</i>		2-3-69					
43. REMARKS FIELD EDIT APPLIED FROM: Field Edit Ozalid, Field Photos 65 M 276, 61 W 9402							

T-12192

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-12192

SHORELINE

NOVEMBER 5, 1971

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with a copy of registered survey No. 4332. This is a 1:20,000 scale survey made in August-September 1927. The differences between the surveys have been indicated on the comparison print in blue.

Survey No. 4332 is superseded by T-12192 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS PETERSBURG (D-6), ALASKA, 1:63,360 scale quadrangle, 1951 edition with minor changes made in 1963. The surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with copies of boat sheets H-9039 (DA 10-3-68) and H-9040 (DA 10-4-68). The rocks on these boat sheets were obtained from incomplete manuscripts. Many of these rocks were not verified by either the hydrographer or the field editor.

Comparison of the surveys and comparison of the 1961 and 1965 photography indicates that many of the images on the photographs originally compiled as rocks were in fact either small patches of kelp or flotsam. Many of these rocks were removed by the final reviewer. Only those rocks that were verified, by either the hydrographer or field editor, or whose image was identifiable on both sets of photography were retained on the final reviewed manuscript.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 8201, 16th edition, November 7, 1970. The two surveys are in good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey was found to be adequate for photo-hydro support and nautical chart construction purposes.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet
Cartographer

Approved for forwarding:

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

Approved:

Alfred C. Holmes
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

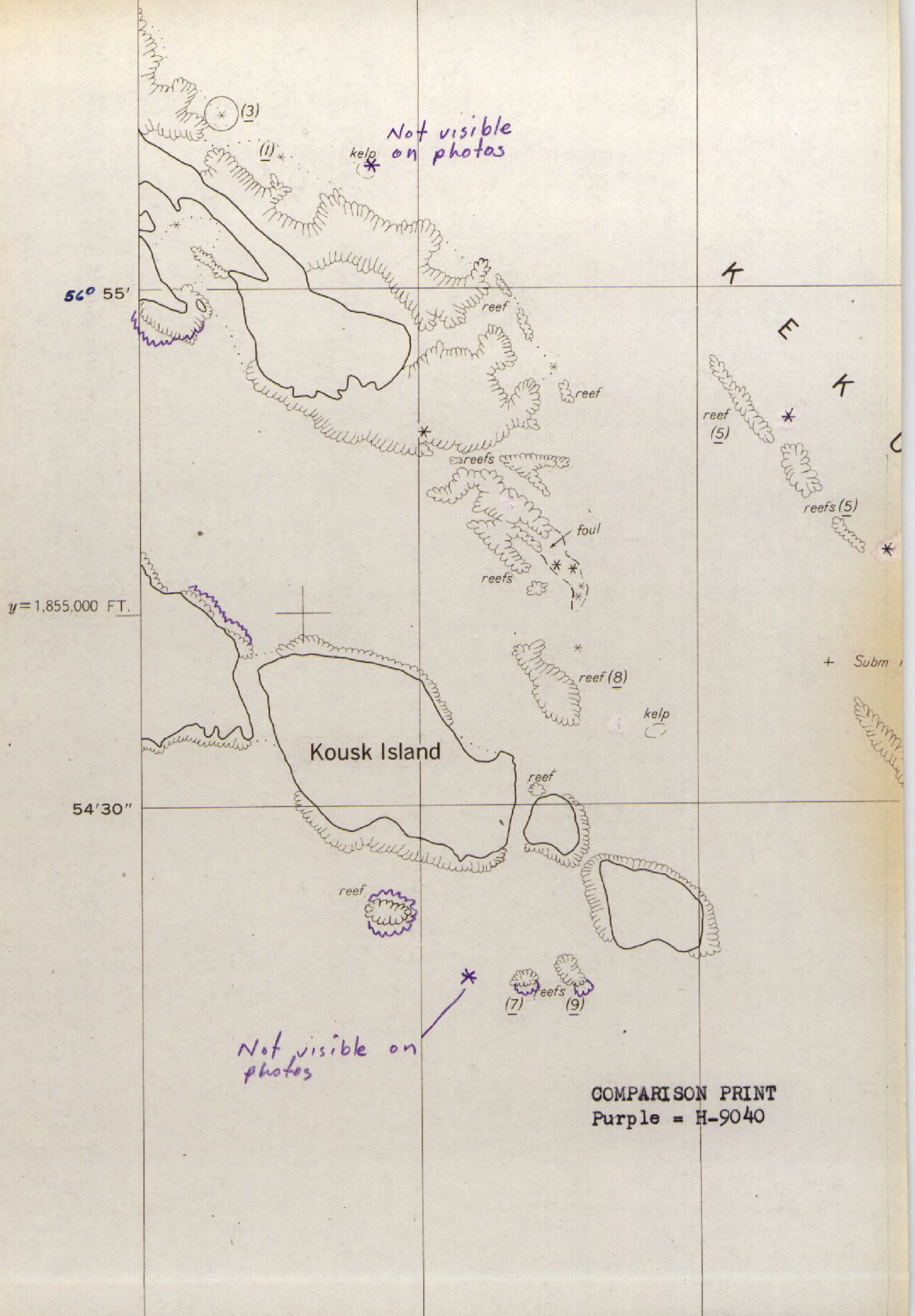
Charles H. Bishop
Cartographer
January, 1973

134°00'00"

59'30"

53'

21



133° 58'

57' 30"

57'

E

K

56° 55'

U

S

T

S

L

A

N

54' 30"

A

D

S

Not visible on photos

COMPARISON PRINT

Purple = H-9040

reef (9)

red with blue
65 ft

covers 1 ft *
MLLW

(5)

reefs

(8)

covers 1 ft
MLLW *

+ covers 2 ft MLLW

reefs

reefs

GLOOM 1927

foul

shoal

54'

7-12-192

1:10,000

rock

133°56'00"

55'30"

133°55'00"

23

56° 55'

H-9039

KNOB 1927

(14)

Eva Island

y = 1,855,000 FT.

54'30"

COMPARISON PRINT

Purple = H-9039

I

T

56° 54'

T-12192

1:10,000

56'30"

133° 56'00"

55'30"

24

covers 1 ft
MLLW

Le not visible
on photo 65M 276

(1) * * (2)

Not visible
on photos

56°53'30"

Rks doubtful on
65M 276. Not
shown on T-12/92

reef covers 2 ft
MLLW
reef

COMPARISON PRINT

Purple = H-9039 & H-9040
Blue = T-4332

of features
survey
boundary
available,
ion.

56° 53'

Hound Island

reef
(7)

H-9039

Not visible on 65M 276.

reef
(2)

57' x=2,630,000 FT.

56'30"

56'

55'30" x=2,635

△ Recoverable horizontal control station of third-order or higher accuracy
..... Approximate mean lower low water line
The heavy shoreline defines the approximate mean high water.
Compiled by photogrammetric methods, from aerial photographs
Date of Photography July 1961 and July 1965

U.S. COAST AND GEOD
SHORELINE MAP
T-1219
ALASKA