ORIGINAL

12184

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (Photogrammetric)

Field No. ..... *Office No.* T-12184

LOCALITY

State Alaska

General locality Keku Strait

Locality Keku Islands, N. W.

1961-1968

CHIEF OF PARTY

Alfred C. Holmes, Director, AMC

LIBRARY & ARCHIVES

DATE .....

USCOMM-DC 37022-P66

12184

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR

TO REGISTRATION

FORM C&GS-181a
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD
T - 12184

PROJECT NO. (II):
Job PH-6206

FIELD OFFICE (II):

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):
Atlantic Marine Center
Photogrammetric Branch

OFFICER-IN-CHARGE
Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center

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):
Kelsh instrument

MANUSCRIPT SCALE (III):
1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:4,000 pantographed to 1:10,000

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

REFERENCE STATION (III):
KEKU 1927

LAT.:
56° 57' 26.843"

LONG.:
134° 08' 43.711"

[X] ADJUSTED
[ ] UNADJUSTED

PLANE COORDINATES (IV):
1,871,991.35 ft. x = 2,590,073.90 ft.

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.

USCOMM-DC 36993-P66

FORM C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): None	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of Photography: 7-16-61 7-29-65	
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE 11-03-65
PROJECTION AND GRIDS CHECKED BY (IV): R. S. Kornspan	DATE 11-03-65
CONTROL PLOTTED BY (III): R. Smith	DATE 01-11-66
CONTROL CHECKED BY (III): C. H. Bishop	DATE 01-11-66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): G. M. Ball (W.O.)	DATE November 1965
STEREOSCOPIC INSTRUMENT COMPILATION (III): Kelsh PLANIMETRY B. Wilson REV. BY: L. Neterer CONTOURS Inapplicable	DATE 02-03-66 02-03-66 DATE
MANUSCRIPT DELINEATED BY (III): B. Wison	DATE 02-14-66
SCRIBING BY (III): F. P. Margiotta	DATE 07-02-68
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILATION: C.H. Bishop FIELD EDIT: C.H. Bishop SCRIBING & STICK-UP: R.J. Pate	DATE 02-20-66 06-10-68 07-02-68
REMARKS: Field Edit by: Ship PATTON	June 1966

USCOMM-DC 16276-P61

FORM C&GS-181c (3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

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

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61-W-9407 thru 9409	16 July 1961	0854 PST	1:20,000	0.4 ft. above MLLW
65-M-248 and 249	29 July 1965	0917 PST	1:50,000	3.1 ft. below MLLW

TIDE (III) PREDICTED

	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): 2	RECOVERED: 2	IDENTIFIED: 1
NUMBER OF BM(S) SEARCHED FOR (II): 0	RECOVERED: 0	IDENTIFIED 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

USCOMM-DC 36393C-P66

T-12184

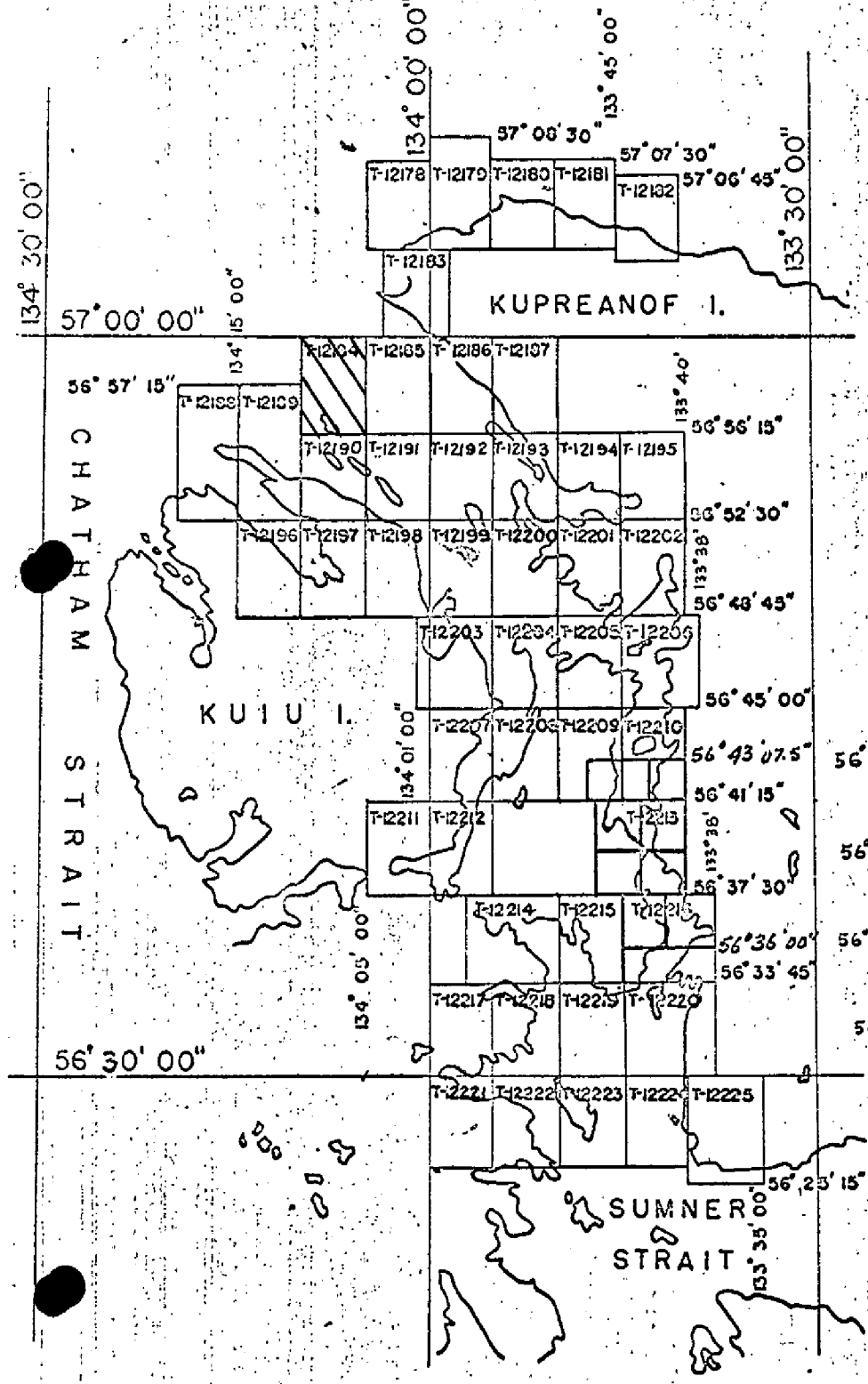
COMPILATION RECORD	COMPILATION DATE	REMARKS
Alongshore area for hydro	Feb. 1966	Superseded
Field Edit Applied Compilation Complete	June 1968	Superseded
Final Review	(Sept. 1971 (Nov. 1972	Superseded
Discrepancies with reviewed hydro surveys resolved; addendum added to report.	Nov. 1972	

SHORELINE MAPPING PROJECT

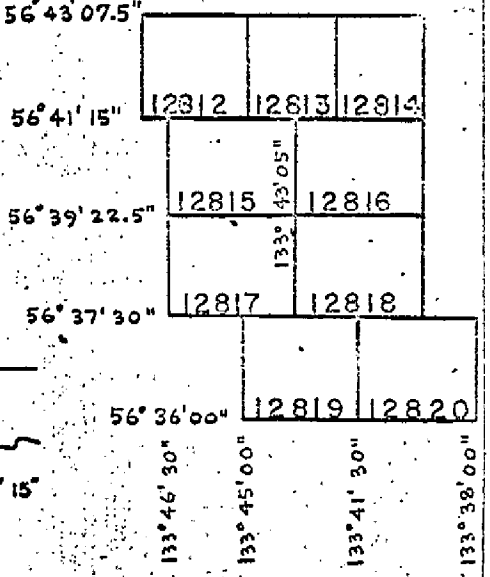
Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



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



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

A.R.

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12184

Shoreline survey T-12184 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 aero-triangulation. The survey was field edited during the course of hydrography.

Compilation was at 1:10,000 scale by Kelsh 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 September 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT
T-12184

There was 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 layover 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
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	(+9.3	+ 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.

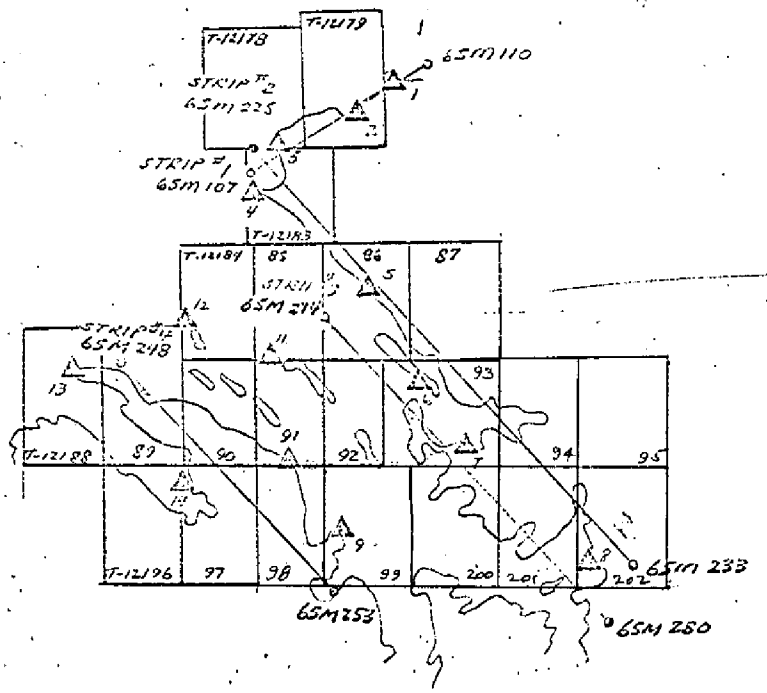
HAM, 1927 (-2.8 -0.9)
AGE, 1927 (+3.4 +3.1)
AMY, 1927
S.S. (-0.6 -0.9)

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. PINT, 1965
2. KELP, 1965
3. BENDEL, 1917
4. CART, 1927
5. KAKE, 1927
6. HAM, 1927
7. ASS, 1927
8. AMY, 1927
9. LUCK, 1927
10. LOW, 1927
11. ALTO, 1927
12. KEKU, 1927
13. CORN, 1925
14. ENNY, 1965

File 12

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 B-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 60 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.

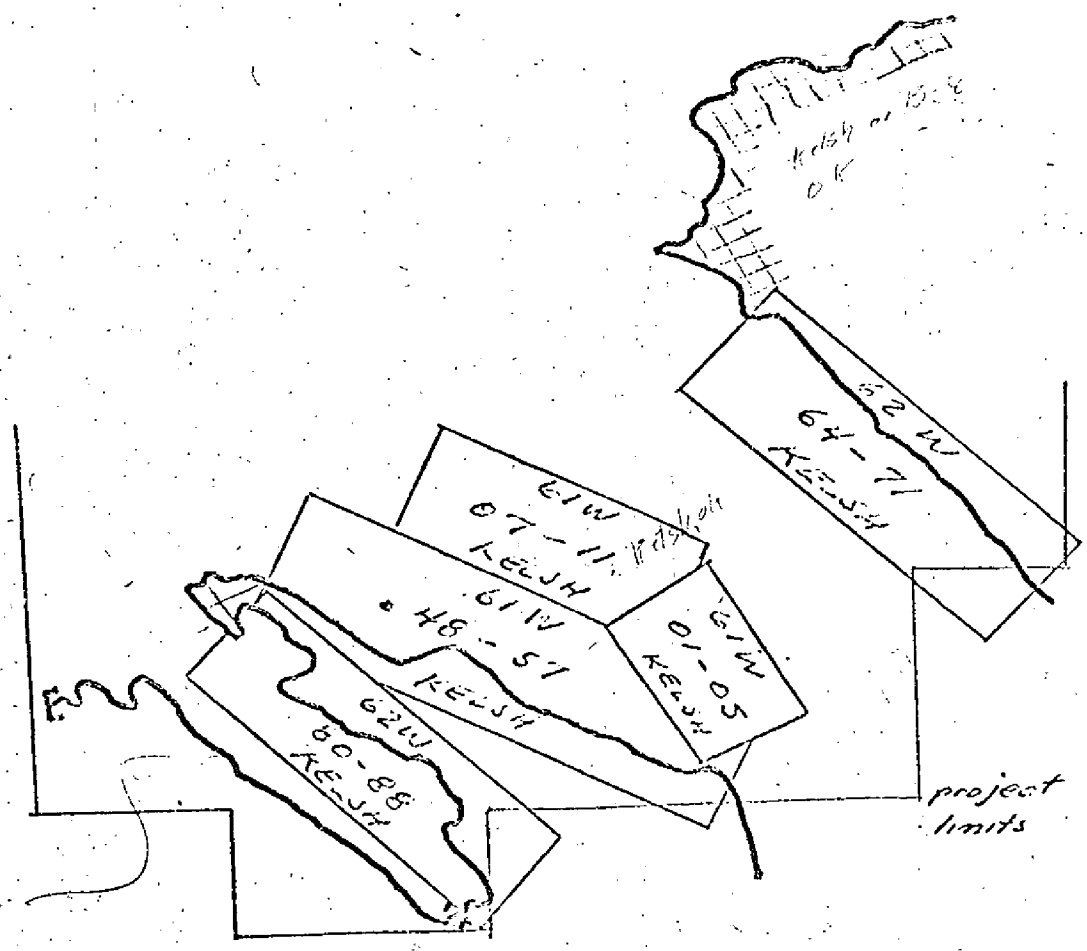
The following list indicates those Kelsh models that can be set:

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 SEE B-8

KELSH

NOTE
CONTROL REQUESTED TO BE FURNISHED DURING THE 1966 SEASON

KENAI STRAITS

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

[redacted]ST AND GEODETIC SURVEY
CONTROL RECORD

MAP T- 12184 PROJECT NO. PH-6206 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
KEKU 1927	Vol. 2 p. 355	NA 1927	56° 57' 26.843	830.4 (1025.6)	✓		
			134 08 43.711	738.8 (275.3)	✓		
	and 56134 p. 11	"	1871 991.35	1991.4 (3008.6)	✓		
			2590 073.90	73.9 (4926.1)	✓		
ISLE 1927	Vol. 2 p. 364	NA 1927	56° 56' 22.735	703.3 (1152.7)	✓		
			134 06 29.881	505.3 (509.3)	✓		
	and 56134 p. 10	"	1 865 435.91	435.9 (4564.1)	✓		
			2 597 451.79	2 451.8 (2548.2)	✓		

1 FT. = .3048006 METER

✓ COMPUTED BY: C. H. Bishop DATE 1/17/66 CHECKED BY: B. Wilson DATE February 14, 1966

COMM-DC-57843

COMPILATION REPORT

T-12184

PH-6206

The aerotriangulation bridge was run in the Washington Office and the report is submitted with T-12178.

There was no field inspection.

31. DELINEATION

The Kelsh Plotter was used. Model 61-W-9409-9410 was compiled first, using drill points 9501, 9502, 10501, 10502. Model 61-W-9408-9409 was compiled next, using drill points 9501 and 7502 and a point located in the previous model on the north side of the island where drill point 9502 is located, because the abnormal flying height of the photos made a model too big for the Kelsh instrument. When model 61-W-9407-9408 was being oriented, the Kelsh was found to be out of adjustment. Some improvements were made in it and the model held to drill points 7502, 7501, and 7503. (Note: In all 3 models there was a maximum of allowable error.) The pass points located in the previous model were relocated, 3 (out of 4) of them moving about one millimeter. (Note: Drill point 51501, identifiable, though not drilled in this model, was missing by over 3mm. It is shown as a "dropped point" for hydro. Also KEKU, 1927, plotted from the IBM bridge readout, was not identified and "fell" about 100 meters offshore from any land of an elevation near high water.)

Tie was made to this worksheet with the model 65-M-248-249, used to compile T-12189, on the B-8, by Lowell O. Neterer. The detail held okay though the points were not visible, nor could he find any common points between the two sets of photos. The "M" photos, a minus tide, show less "floating flotsam" than on the "W" photos. (Later, from the "M" ratios, the 3 points on them in this area were transferred to 61-W-9407, 9408, 9409 but have not yet been checked.

When the ratioed photographs (which indicate considerable tilt) were oriented to the points on the work sheet, model 61-W-9407-9408 was found to be in error. Fortunately, the points drilled on the adjoining plates could be identified, providing adequate control for cutting-in. Cuts were made on the work sheet, in the following order, holding the drill points listed:

1. Photo 61-W-9408 (points 9501, 9502, 10501, 10502, 11501, 11502, 53501, 54501)
2. 61-W-9408 (points 7501, 7502, 9501, 9502, 5250). (7503 was too weakly identified). (51501 was cut-in as a detail point).
3. 61-W-9409 (points 7502, 9501, 9502, 10501, 10502, 52501, 53501).
4. 61-W-9407 (points 7501, 7502 and 8 two-cut points from 9408-9409.

The photography was satisfactory, but the ratios were much sharper than the Kelsh models and all the detail was stereo-checked to the ratios and considerable changes in interpretation were made (on the manuscript for the MHWL, on the worksheet for the rest of the detail).

32. CONTROL

See Aerotriangulation Report (with T-12178).

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

There was no field inspection. Every detail is office interpretation.

36. OFFSHORE DETAILS

None are shown on the manuscript.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with
T-12190 to the south
T-12189 to the west
T-12185 to the east (all water)

There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. quadrangle PORT ALEXANDER (D-1), ALASKA, scale 1:63,360 dated 1948, minor revisions 1963. The two are in normal agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 8214, scale 1:40,000, edition of July 1909, revised August 10, 1959 and with Chart 8201, of smaller scale (for name placement). Normal agreement was observed, though the name KEKU STRAIT on 8214 could be misleading as to location.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted
Bernice Wilson
Bernice Wilson

Approved for forwarding:

Melvin Greenhagen, CDR, NOAA
Chief, Photogrammetry Division, AMC

Approved:

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

August 5, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206 (Alaska)

T-12184

Frederick Sound

Keku Islands

Keku Strait

Payne Island

Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician

9. NOTES FOR THE HYDROGRAPHER:

1- 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.

2- If there are landmarks or fixed aids to navigation within the area of this map, investigate and submit Form 567.

3- Give character of foreshore areas (sand, mud, etc.).

4- Foul, shoal, and reef areas and rocks shown on this manuscript were determined by office interpretation of aerial photographs of the area. 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.

5- See Field Edit Ozalid for other notes.

FORM C&GS-1002
(9-66)

U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T- 12184

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CHB	CHB	CHB	CHB

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
CHB	XX	XX

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
XX	XX	Bridge - W.O.	XX

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
CHB	CHB	CHB	XX

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
XX	XX	CHB	XX

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
CHB	CHB	XX

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
XX	XX	XX	XX

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
XX	XX	XX	XX

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
XX	XX

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
CHB	CHB	CHB

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
XX	CHB	None	CHB

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Charles H Bishop Charles H. Bishop	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
Charles H Bishop C.H. Bishop	06-10-68	Albert C. Rauck Jr. Albert C. Rauck, Jr.
REV. BY: C.H. Bishop	06-10-68	

43. REMARKS

Field Edit Applied from: Field Edit ozalid, Field Photos. Nos. 61-W-9408 & 9409.
In case of discrepnacies where Field Edit overlapped, the compilers judgement was used to decide which data to accept. See notes for final review.

T-12184

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-12184

SHORELINE

SEPTEMBER 3, 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

Comparison was made with USGS PORT ALEXANDER (D-1), ALASKA, 1:63,360 scale quadrangle, edition of 1948 with minor revisions made in 1963. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEY

Comparison was made with copies of boat sheets H-8961 (PA10-2-67) and H-9040 (DA10-4-68). The source of the shoreline for these boat sheets was incomplete manuscripts. Some changes were made during the course of field edit; therefore, the surveys are no longer in complete agreement.

Special attention is called to two rocks on the boat sheets, one located at latitude 56°56'27" longitude 134°06'36" and the other at 56°56'20" - 134°05'45". The source of these rocks was the incomplete manuscript. They were not found by the field editor nor were they verified by the hydrographer. They were removed from T-12184 by the final reviewer as they were probably patches of kelp instead of rocks.

Some soundings of the boat sheets plot on the ledges which surround the islands in this survey. These ledges are clearly visible on the photographs of the area and appear to be correctly compiled on the manuscript.

Discrepancies between the surveys have been noted on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 8201, 16th edition, dated November 7, 1970. This is a 1:217,828 scale chart, therefore, only a visual comparison was feasible. No outstanding discrepancies were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

Please refer to the compilation report which is page 16 thru 19 of the Descriptive Report.

Reviewed by:

Leo F. Beugnet

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 ben 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.

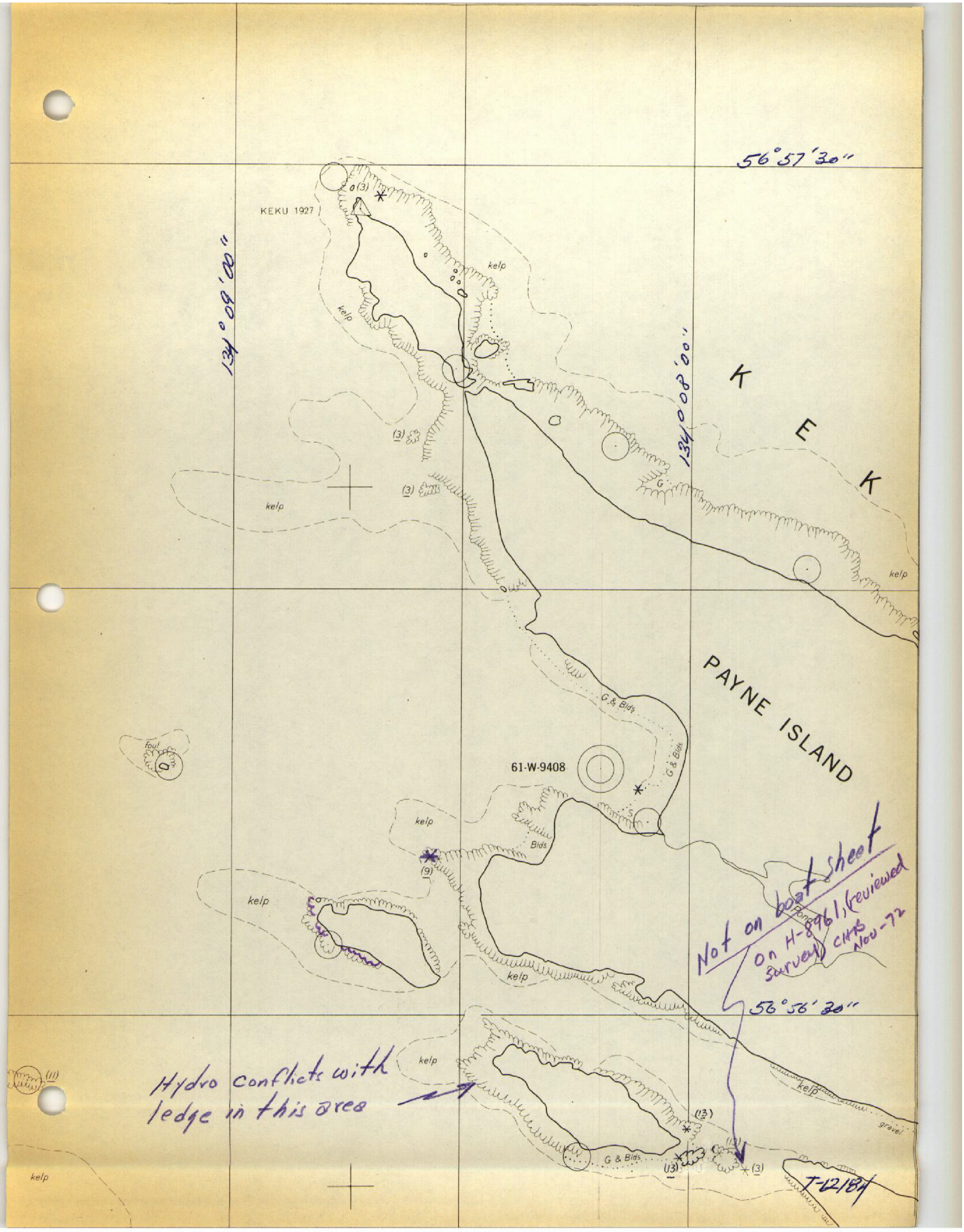
Copies of the hydrographic surveys were used as aids to verify what could be seen on the photographs of the area: If a feature on the hydrographic survey was not positively identifiable on the photographs, it was not added to the T-sheet. This review resulted in the revision of several ledges, some mean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

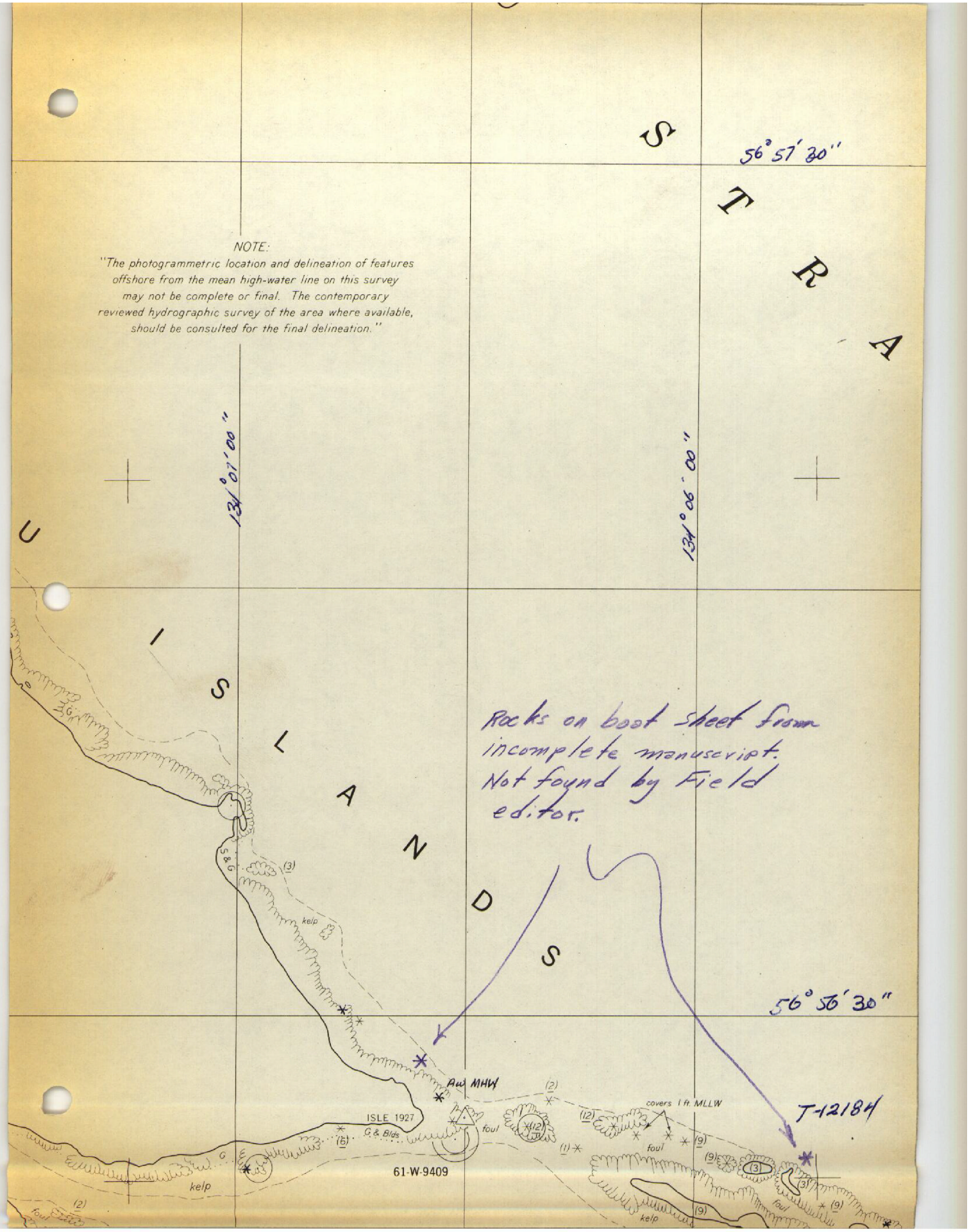
Questions on the discrepancy prints were answered on separate ozalids and returned to the Marine Chart Division, along with a Chart Maintenance Print reflecting differences between the Advance Manuscript and the Final Reviewed Manuscript for each map.

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


56°57'30"
134°09'00"
134°08'00"
KEKU 1927
KEKU
PAYNE ISLAND
61-W-9408
kelp
G & Blds
Blds
foul
gravel
56°56'30"
Not on boat sheet
On H-8961, (reviewed survey) CHS Nov-72
Hydro conflicts with ledge in this area
T-12184


NOTE:
"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."
56° 57' 30"
134° 07' 00"
134° 06' 00"
56° 56' 30"
Rocks on boat sheet from incomplete manuscript. Not found by Field ed. for.
T-12184
Awl MHW
ISLE 1927
C & Bldg
61-W-9409
covers 1 ft. MLLW
foul
kelp