

12189

12189

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-12189
<b>LOCALITY</b>	
<i>State</i> .....	Alaska
<i>General locality</i> .....	Keku Strait
<i>Locality</i> .....	Halleck Harbor
<u>1961-1968</u>	
<b>CHIEF OF PARTY</b>	
Alfred C. Holmes, Director, AMC	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE .....	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

T - 12189

PROJECT NO. (II): <b>Job PH-6206</b>		
FIELD OFFICE (III):	CHIEF OF PARTY	
PHOTOGRAMMETRIC OFFICE (III): <b>Atlantic Marine Center Photogrammetric Branch</b>	OFFICER-IN-CHARGE <b>Alfred C. Holmes, RADM, NOAA Director, AMC</b>	
INSTRUCTIONS DATED (I) (III):		
January 21, 1966	FIELD	
January 18, 1965	OFFICE	
November 26, 1965	OFFICE SUPPLEMENT I	
March 18, 1966	OFFICE AMENDMENT I	
June 8, 1966	OFFICE SUPPLEMENT II	
May 11, 1965	FIELD	
June 14, 1965	FIELD	
METHOD OF COMPILATION (III): <b>Kelsh instrument</b>		
MUSCRIPT SCALE (III): <b>1:10,000</b>	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): <b>1:4,000</b>	
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV): <b>Sept. 4, 1975</b>
GEOGRAPHIC DATUM (III): <b>N.A. 1927</b>	VERTICAL DATUM (III): <b>MHW</b> <del>SPENCER LEVEL</del> EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e. <del>MEAN LOWER LOW WATER</del>	
REFERENCE STATION (III): <b>CHEW 1966</b>		
LAT.: <b>56° 52' 36.80519"</b> ✓ (1138.5m)	LONG.: <b>134° 13' 30.36715"</b> ✓ (514.4m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): <b>1 842 680.50 Ft.</b> ✓	<b>x = 2 573 940.25 Ft.</b> ✓	STATE: <b>Alaska</b> ZONE: <b>1</b>
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 (II):  None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air Photo Compilation Date of Photography July 16, 1962 and July 29, 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. Smith		DATE 01/12/66
CONTROL CHECKED BY (III):  C. H. Bishop		DATE 01/12/66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  G. Ball		DATE Nov. 1965
STEREOSCOPIC INSTRUMENT COMPILATION (III):  Kelsh B-8	PLANIMETRY L. O. Neterer	DATE 02/25/66
	REV. BY: A. L. Shands	02/25/66
CONTOURS  Inapplicable		DATE
MANUSCRIPT DELINEATED BY (III):  L. O. Neterer		DATE 02/25/66
SCRIBING BY (III):  R. R. White		DATE 06/13/68
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILATION: C.H. Bishop FIELD EDIT: C.H. Bishop SCRIBING & STICK-UP: C.H. Bishop		DATE 02/27/66 6/7/68 & 1/7/69 02/27/66
REMARKS:  Field Edit by:  Ship PATTON  June 1966 & June 1968		



DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

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

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65 M 248 and 249	29 July 1965	0918 PST	1:50,000	3.7 ft. below MLLW
61 W 9349 thru 9351	16 July 1961	0815 PST	1:20,000	1.3 ft. above MLLW
62 W 5480 thru 5483	16 June 1962	0910 PST	1:20,000	3.5 ft. above MLLW

TIDE (III) PREDICTED

DIURNAL

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: 1. JUNEAU 2. KETCHIKAN	1.	13.8	16.4
	2.	13.0	15.4
SUBORDINATE STATION: 1. Saginaw Bay, Kuiu Id., Frederick Sound		11.3	13.8
SUBORDINATE STATION: 2. Kake, Keku Strait		11.7	14.0

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, AMC

DATE:  
Sept. 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:  
1

IDENTIFIED:  
1

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

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

T-12189

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit		
Alongshore area for hydro	Feb. 1966	Superseded
Field edit applied; compilation complete	June 1968	Superseded
Additional field edit applied.	Dec. 1968	<i>Superseded</i>
Final Review	{ Sept. 1971 <del>Nov. 1972</del>	<i>Superseded</i>

Discrepancies with reviewed hydro  
surveys resolved; Addendum added  
to Review Report

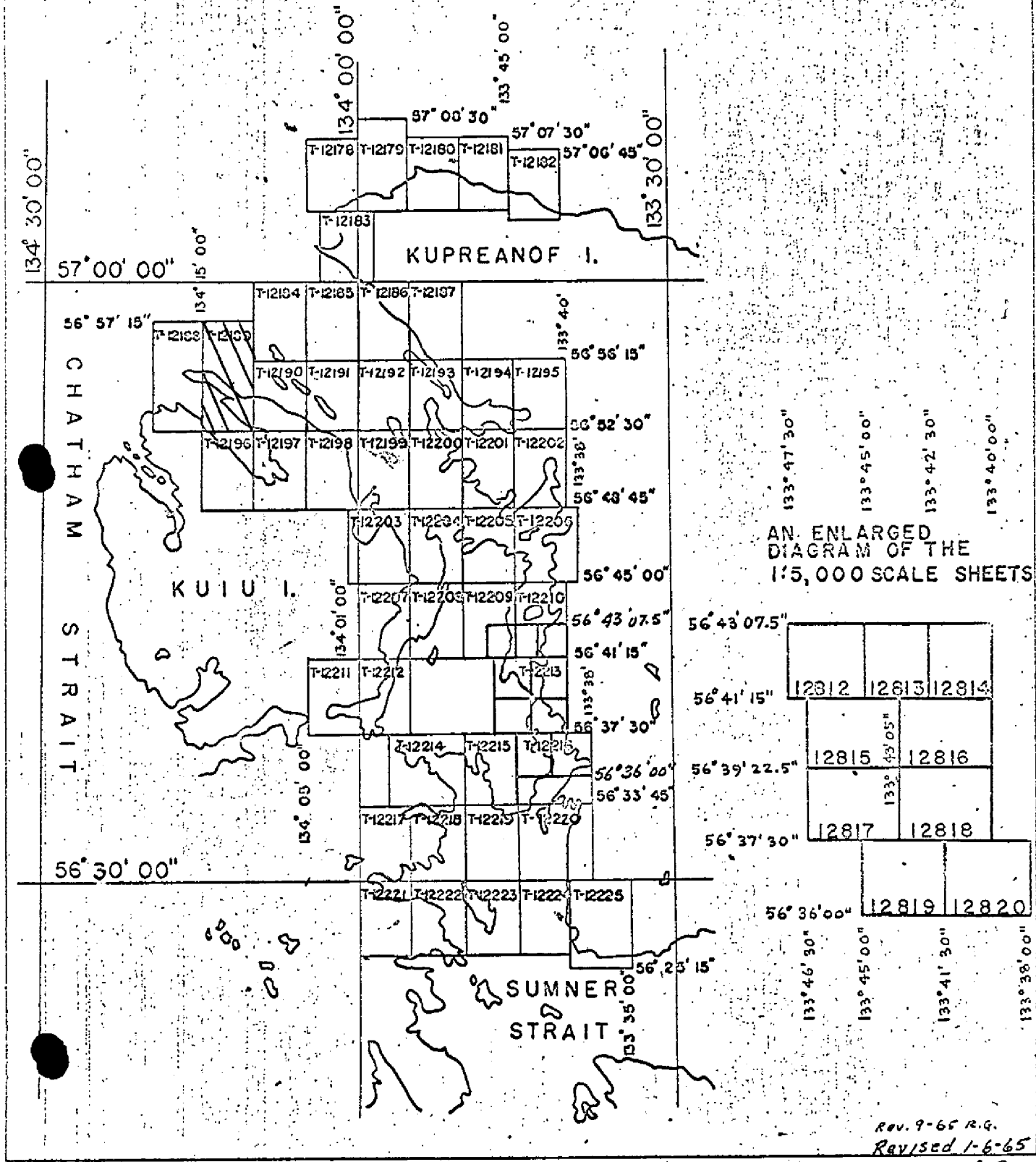
Nov. 1972

# 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-12189

Shoreline survey T-12189 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 Kelsh instrument methods using the photography of July 1961, June 1962, 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 4 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  
MAP MANUSCRIPT T-12189  
Project Ph-6206

There was no field inspection prior to compilation.

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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.

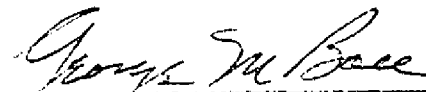
24. Supplemental Data

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 definition.


Respectfully submitted:

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George M. Ball

Approved and forwarded:

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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)

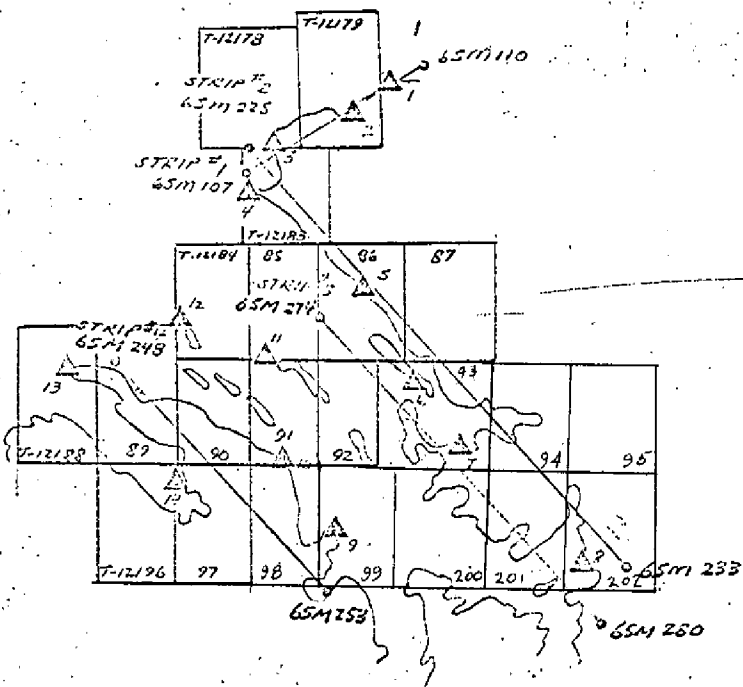
STRIP #4

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. PINT, 1965
2. KEMP, 1965
3. SENDEL, 1917
4. CART, 1927
5. KAKE, 1927
6. HAM, 1927
7. AGE, 1927
8. AMY, 1927
9. LUCK, 1927
10. LOW, 1927
11. ALYS, 1927
12. KEKU, 1927
13. CORN, 1925
14. GNAV, 1965

File

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 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

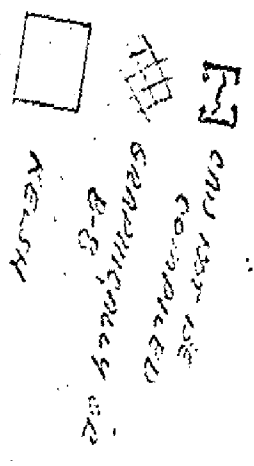
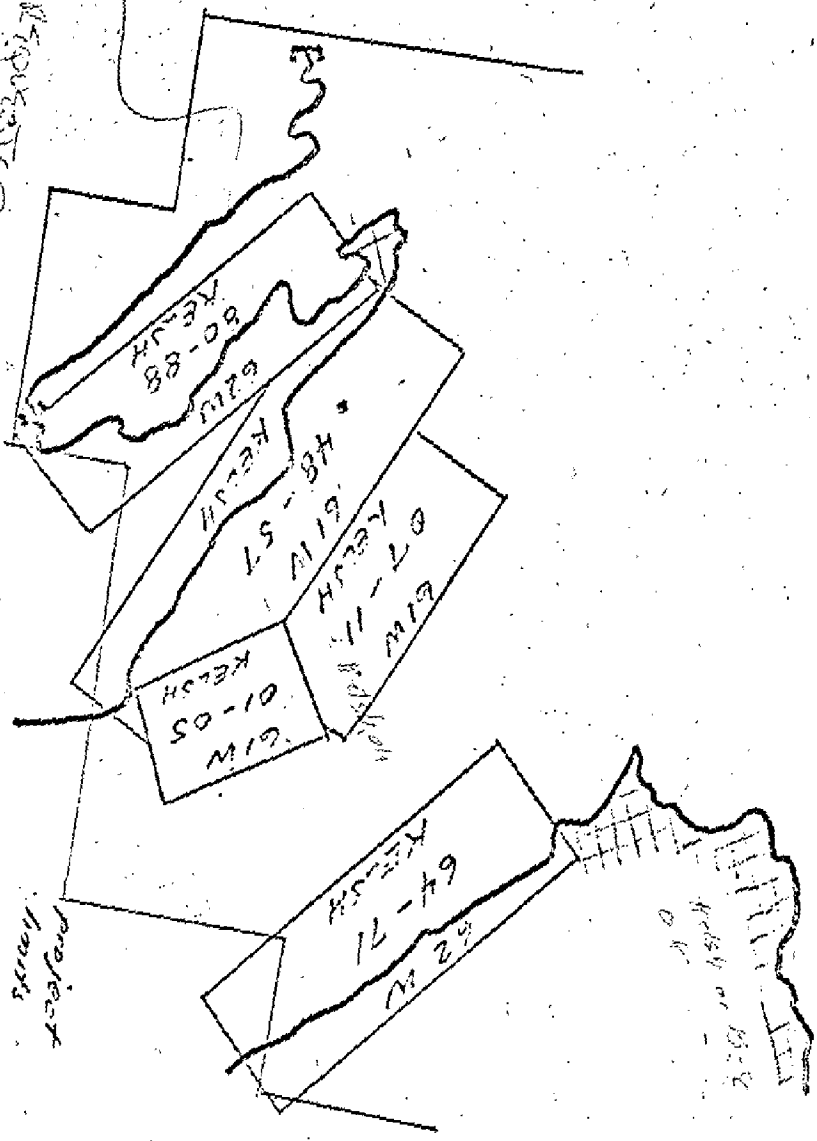
The attached diagram shows (1) the areas that can be compiled with the Kelsh plotter, (2) the areas to be compiled either with the B-8 or graphically, and (3) the area within the project limits which cannot be compiled. This problem has been called to the attention of Mr. Heywood. This diagram should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

MORE  
 CONTROL REOPERATED  
 TO 33 FUNDING  
 AVAILABLE THIS YEAR  
 WAGON

AFA

AREA

STAIRS



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PHOTOGRAMMETRIC PLOT REPORT  
Job' PH-6206  
Keku Straits, Alaska  
June 1966

21. Area Covered

This report covers an area of Alaska in Saginaw Bay just south of the upper portion of Keku Straits and its confluence with Frederick Sound. This area will be compiled on five shoreline sheets, T-12188 thru T-12190 and T-12196 and T-12197).

22. Methods

Analytic aerotriangulation methods were used to bridge one strip of "M" photography at the scale of 1:50,000. The attached sketch shows the placement of the triangulation and the closures to this control.

23. Adequacy of Control

Horizontal control identified and required to adjust this strip meets minimum requirements in that we were unable to obtain a check of our work. An effort was made to tie this strip to previously drilled points; however, since the bridging plates have been destroyed and the points were not sketched, this effort proved fruitless.

24. Supplemental Data


Numerous USGS quads were used to obtain elevations required for the final strip adjustment.

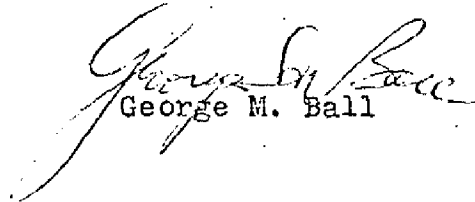
25. Photography

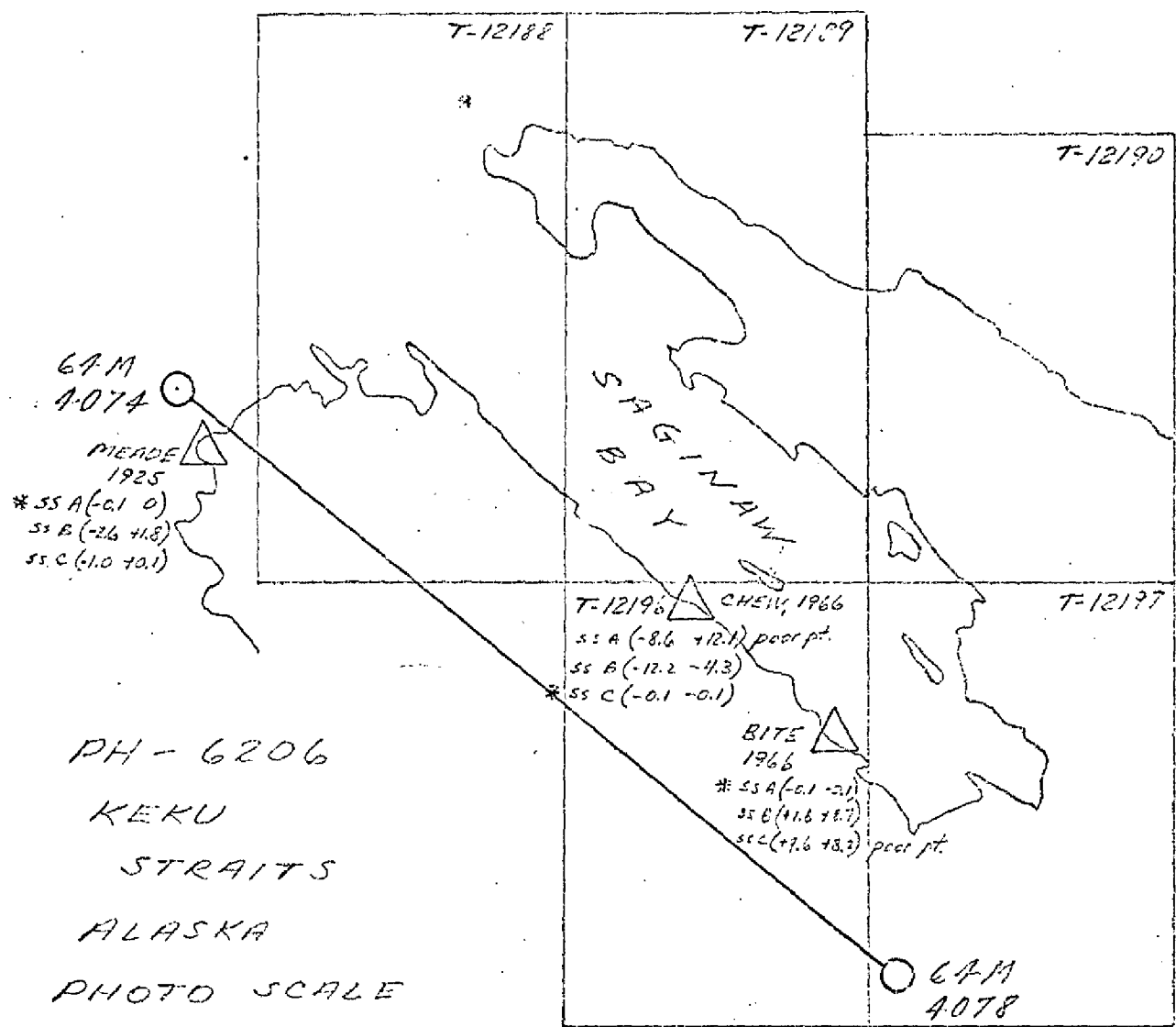
Photography was adequate with regard to coverage, overlap and image definition.

Respectfully submitted:

Approved and Forwarded:

  
H. P. Eichert, Chief  
Aerotriangulation Section

  
George M. Ball



PH - 6206  
 KEKU  
 STRAITS  
 ALASKA  
 PHOTO SCALE  
 1:50,000

\* SUB STATION  
 USED IN FINAL  
 ADJUSTMENT



August 5, 1971

GEOGRAPHIC NAMES  
FINAL NAME SHEET  
PH-6206 (Alaska)

T-12189

- Cool Lake
- Fossil Bluffs
- Frederick Sound
- Halleck Harbor
- Kuiu Island
- Sachem Island
- Saginaw Bay

Approved by:

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

Prepared by:

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



T-12189

31. DELINEATION

The compilation was done primarily by the Wild B-8 Ratio prints of both high altitude, the M photography of 1965, and the low altitude, the W photography of 1961 and 1962 were used. Common detail prints were chosen where they could be found on all photographs. This was done for the hydrographer.

32. CONTROL

The control was adequate. See Report T-12188.

33. SUPPLEMENTAL DATA

U.S.C. & G.S. Hydrographic Surveys, Register Nos. 2150 and 2152, date 1892.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The high water line was compiled by office interpretation. It is to be checked and verified by the hydrographic party.

36. OFFSHORE DETAIL

Refer to Item 49.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

T-12189 junctions with T-12190 on the East and T-12196 on the South and T-12188 on the West.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison with U.S.G.S. Quadrangle Port Alexander (D-1), Alaska, 1948 had a very favorable comparison.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison with U.S.C.&G.S. nautical chart 8201, ETOLIN ISLAND to MIDWAY ISLAND including SUMMER STRAIT. The comparison was favorable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted:

*Lowell O. Neterer Jr.*

L. O. Neterer  
Cartographic Technician

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

ADDENDUM TO 32-CONTROL

The subsequent rebridging of this area resolved none of the initial horizontal control problems. An attempt to resolve the control deficiency resulted in several solutions, none of which would hold all drilled pass points and substitute stations within the models. The final result, holding most of the substitute points for BITE, CHEW, and MEADE, and the drilled pass points nearest the shoreline was used.

The southern portion of this map manuscript is not believed to be within the required accuracy standards.

T-12189

49. NOTES FOR THE HYDROGRAPHER.

Shoreline on this sheet was compiled from 1965 photography (After Earthquake).

SUPPLEMENT TO  
"NOTES (FOR) THE HYDROGRAPHER"

The southern portion of this sheet is "Preliminary". It is so marked in red on the field edit ozalid.

The shoreline on the south side of Saginaw Bay is believed to be in error. It is suggested that you locate hydrographic signal sites by the use of the processed cronapaque ratioed photographs only.

This Saginaw Bay area (south shore) is to be re-bridged by the Aerotriangulation section in the near future, after which these discrepancies will be resolved.

Refer to "ADDENDUM TO 32-CONTROL" concerning this area.

**PHOTOGRAMMETRIC OFFICE REVIEW**  
T. 12189

1. PROJECTION AND GRIDS <b>CHB</b>		2. TITLE <b>CHB</b>		3. MANUSCRIPT NUMBERS <b>CHB</b>		4. MANUSCRIPT SIZE	
<b>CONTROL STATIONS</b>							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <b>CHB</b>			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <b>X</b>			7. PHOTO HYDRO STATIONS <b>X</b>	
8. BENCH MARKS <b>X</b>		9. PLOTTING OF SEXTANT FIXES <b>CHB</b>		10. PHOTOGRAMMETRIC PLOT REPORT <b>CHB</b>		11. DETAIL POINTS <b>CHB</b>	
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>							
12. SHORELINE <b>CHB</b>		13. LOW-WATER LINE <b>X</b>		14. ROCKS, SHOALS, ETC. <b>CHB</b>		15. BRIDGES <b>X</b>	
16. AIDS TO NAVIGATION <b>CHB</b>		17. LANDMARKS <b>X</b>		18. OTHER ALONGSHORE PHYSICAL FEATURES <b>X</b>		19. OTHER ALONGSHORE CULTURAL FEATURES <b>CHB</b>	
<b>PHYSICAL FEATURES</b>							
20. WATER FEATURES <b>CHB</b>			21. NATURAL GROUND COVER <b>X</b>			22. PLANETABLE CONTOURS <b>X</b>	
23. STEREOSCOPIC INSTRUMENT CONTOURS <b>X</b>		24. CONTOURS IN GENERAL <b>X</b>		25. SPOT ELEVATIONS <b>X</b>		26. OTHER PHYSICAL FEATURES <b>X</b>	
<b>CULTURAL FEATURES</b>							
27. ROADS <b>CHB</b>		28. BUILDINGS <b>CHB</b>		29. RAILROADS <b>X</b>		30. OTHER CULTURAL FEATURES <b>X</b>	
<b>BOUNDARIES</b>							
31. BOUNDARY LINES <b>X</b>			32. PUBLIC LAND LINES <b>X</b>				
<b>MISCELLANEOUS</b>							
33. GEOGRAPHIC NAMES <b>CHB</b>			34. JUNCTIONS <b>CHB</b>			35. LEGIBILITY OF THE MANUSCRIPT <b>CHB</b>	
36. DISCREPANCY OVERLAY <b>CHB</b>		37. DESCRIPTIVE REPORT <b>CHB</b>		38. FIELD INSPECTION PHOTOGRAPHS <b>X</b>		39. FORMS <b>CHB</b>	
40. REVIEWER <i>Charles H. Bishop</i> <b>CHB</b> Feb. 1966				SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> <b>A.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. <i>Charles H. Bishop</i>							
COMPILER <b>C.H. Bishop</b> June 1968 <b>A.L. Shands</b> Jan. 1969 <b>CHB</b> 1-3-69				SUPERVISOR <i>Albert C. Rauck, Jr.</i> <b>A.C. Rauck, Jr.</b>			
43. REMARKS <b>FIELD EDIT APPLIED FROM:</b> Field edit ozalid (T-12189) Field ratios 61-W-9348 thru 51 62-M-5480-81 65-M-246 and 248 Copies of BS H-8960 and H-8961							

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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.

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REVIEW REPORT T-12189

SHORELINE

SEPTEMBER 14, 1971

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with a copy of Registered survey No. 2152, 1:20,000 scale, dated 1892. This survey is now obsolete and is superseded by T-12189 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with copies of boat sheets H-8960 (PA10-1-67) and H-8961 (PA10-2-67). The shoreline for these boat sheets was obtained from incomplete manuscripts and was changed during field edit. The shoreline of the boat sheets and the reviewed survey (T-12189) is therefore not in good agreement. This difference in the shoreline and all other differences have been noted on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart 8214, 4th edition, dated December 16, 1968. No major discrepancies were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The survey is adequate for 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



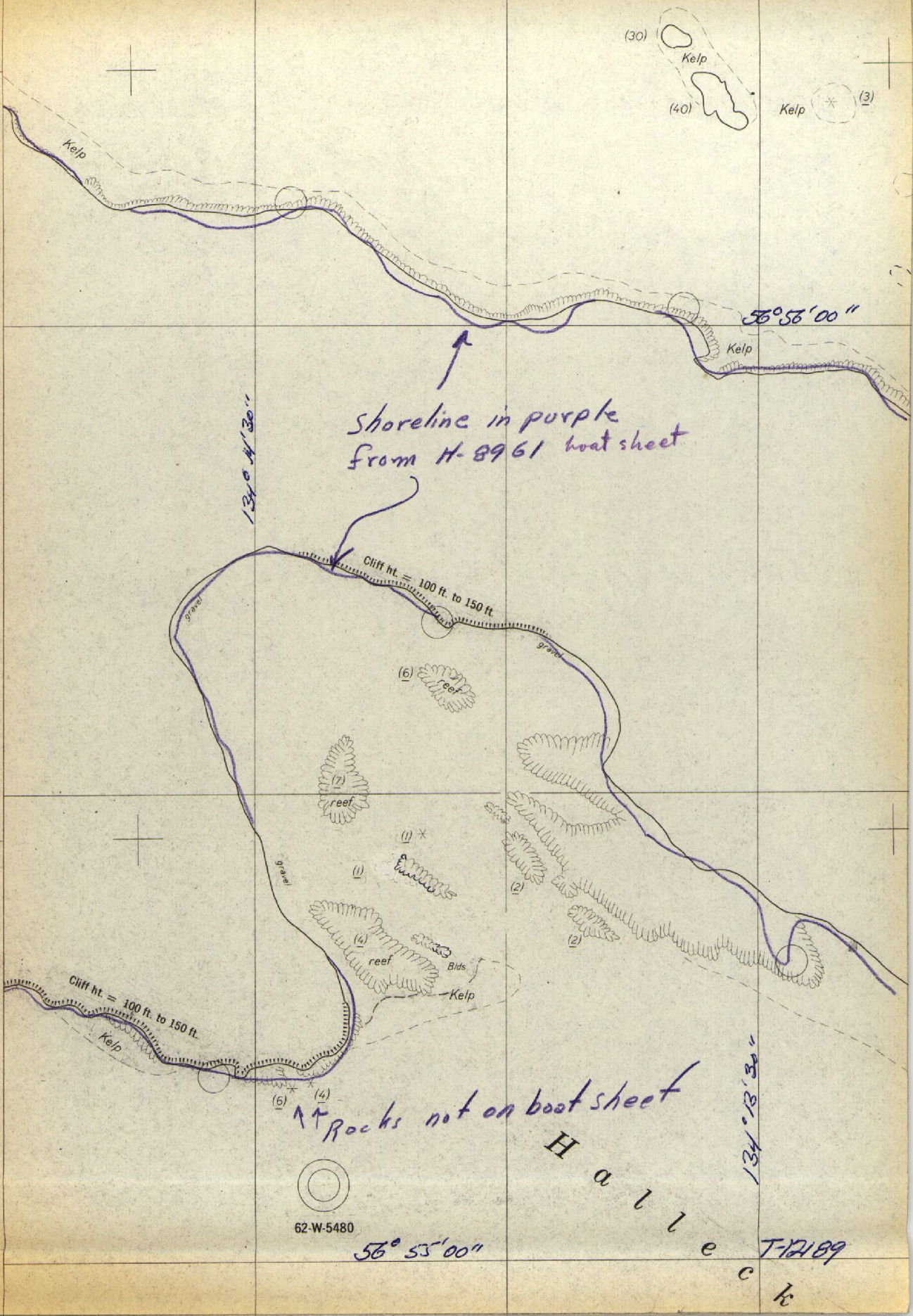
865,000 FT.

56'

55'30"

860,000 FT.

55'



Shoreline in purple from H-8961 boat sheet

134° 4' 30"

Cliff ht = 100 ft. to 150 ft.

56°56'00"

(6) reef

(7) reef

(1) \*

(4) reef

Blds

Kelp

Cliff ht = 100 ft. to 150 ft.

Rocks not on boat sheet



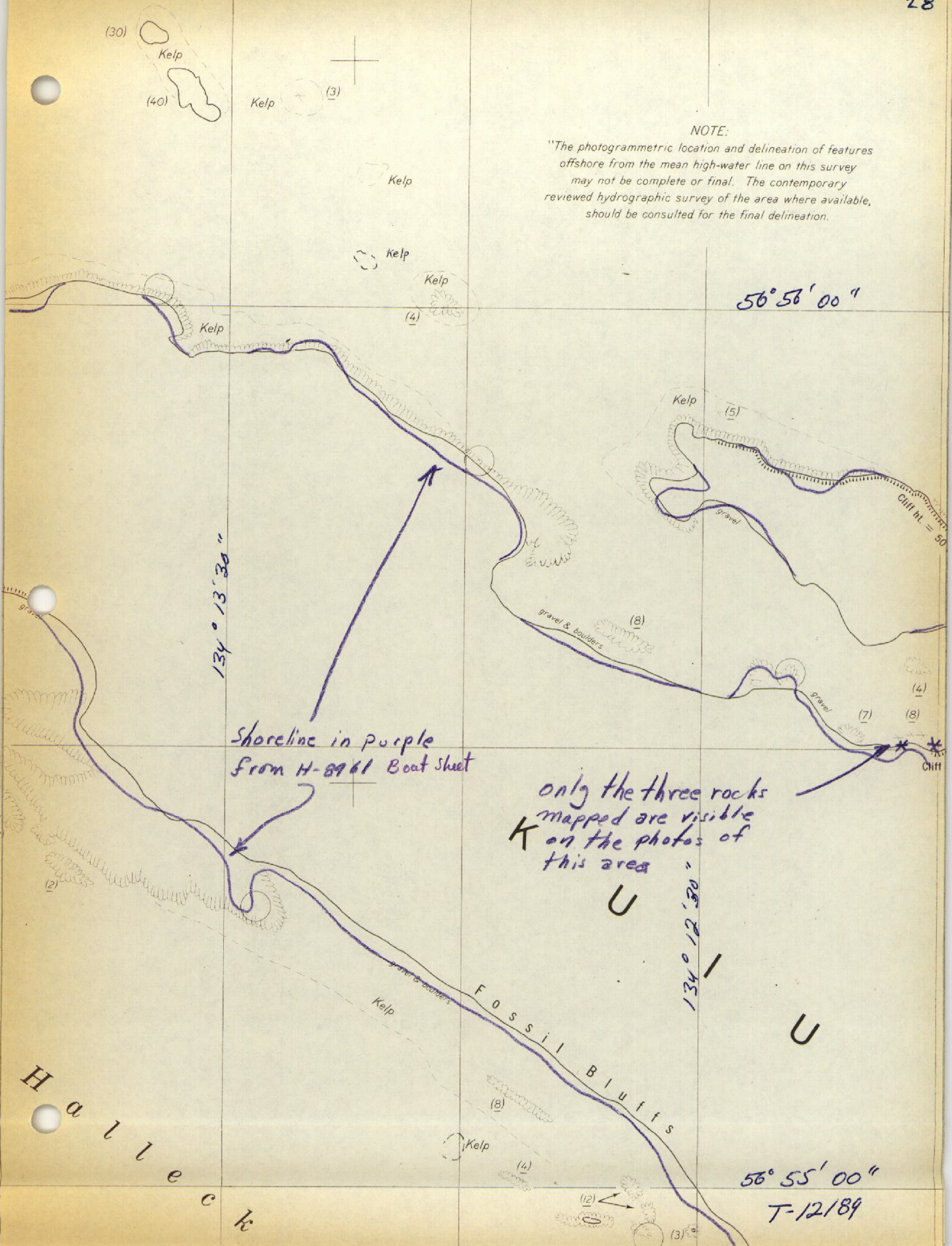
62-W-5480

56°55'00"

Halleck T-12189

134° 13' 30"





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° 56' 00"

134° 13' 30"

Shoreline in purple  
from H-8961 Boat Sheet

only the three rocks  
mapped are visible  
K on the photos of  
this area

U

134° 12' 30"

U

Halleck

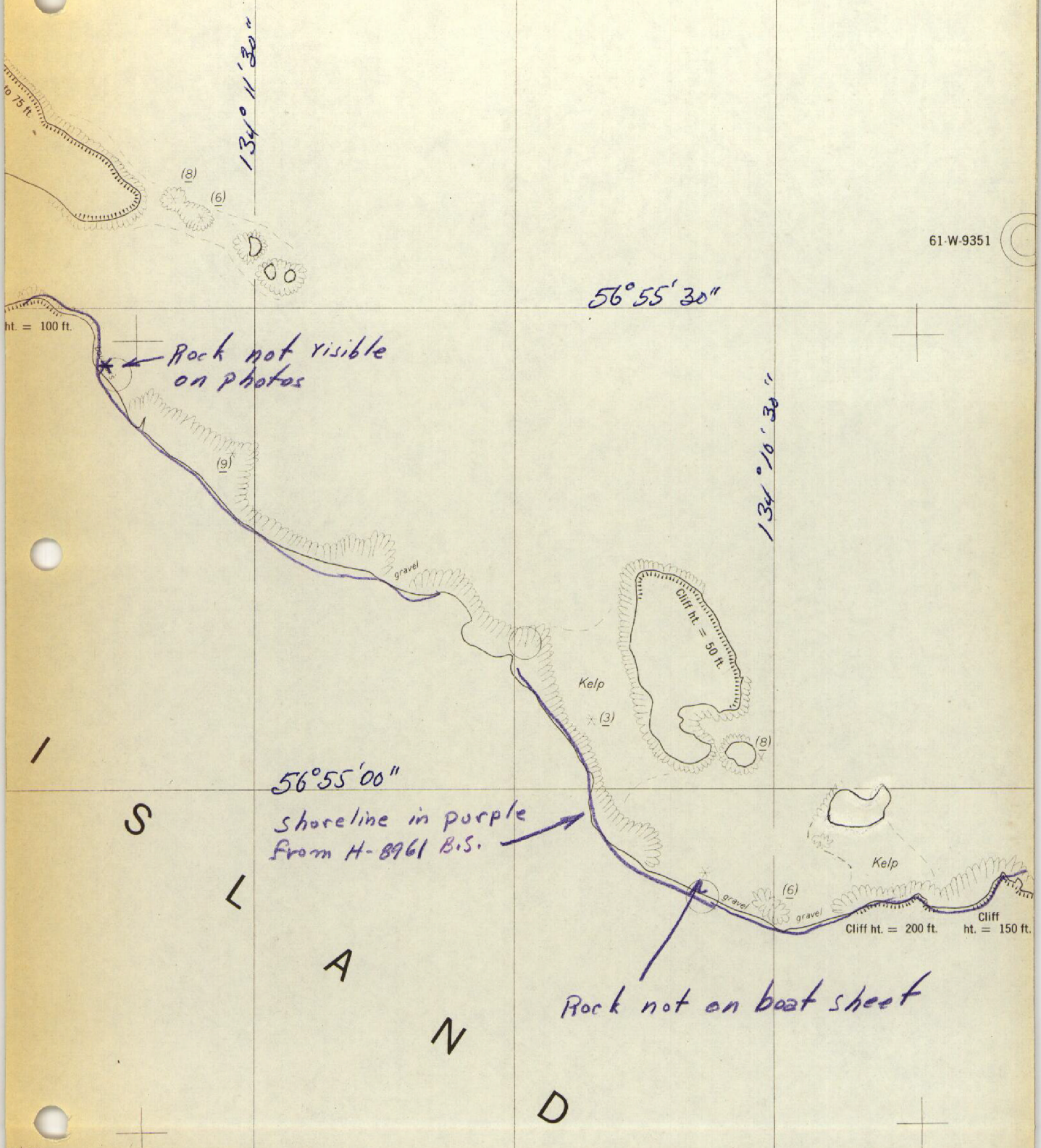
Fossil Bluffs

56° 55' 00"

T-12/89



61-W-9351



T-12189



H a r b o r

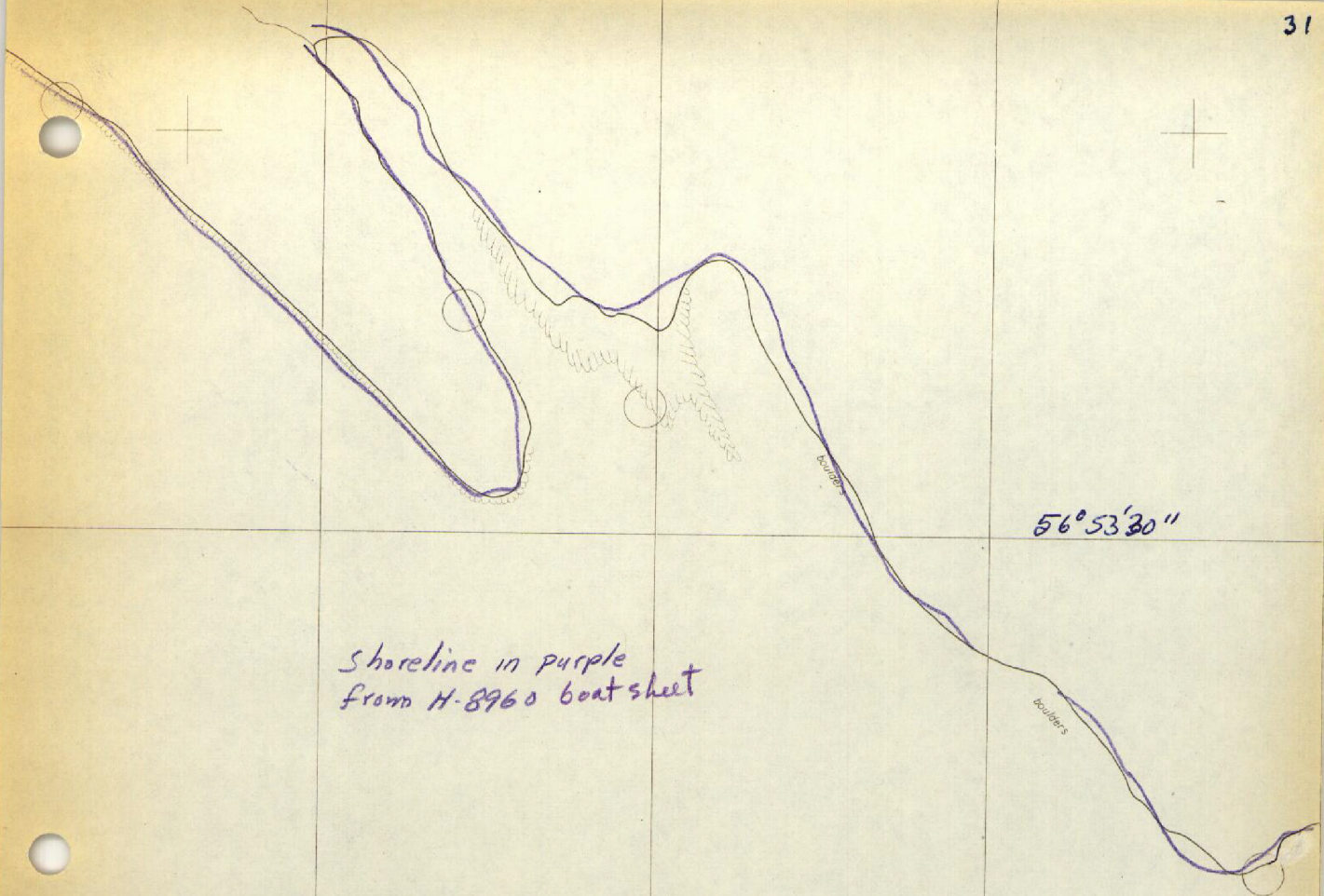


Shoreline in purple  
from H-8960 Boat Sheet

G I N

T-12189





Shoreline in purple  
from H-8960 boat sheet

56°53'30"

only one Rk visible on  
photos in this area

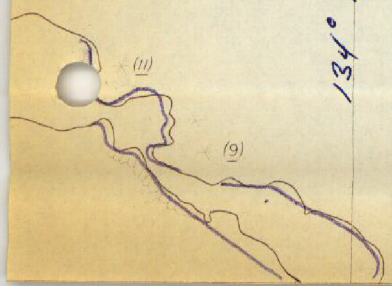
\*  
(10)

56°53'00"

134°11'30"

134°10'30"

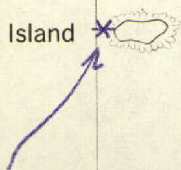
T-12189





S  
A  
G  
I  
A  
56° 53' 30"  
56° 53' 00"

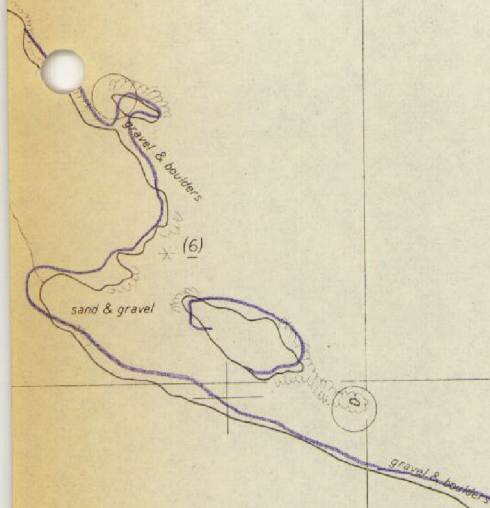
Sachem Island



Rock on Boat sheet  
only ledge visible on  
Photos

134° 14' 30"

134° 13' 30"



Shoreline in purple from  
H-8960 boat sheet.

KUIU ISLAND

CHEW 1966

ROAD

Cool Lake

T-12189