

12205

12205

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-12205

LOCALITY

State ALASKA

General locality KEKI STRAIT

Locality ROCKY PASS

19 61-70

CHIEF OF PARTY

A. C. Holmes, Director, AMC

LIBRARY & ARCHIVES

DATE \_\_\_\_\_

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

**DESCRIPTIVE REPORT - DATA RECORD**

T - 12205

SUBJECT NO. (II):  PH-6206		
FIELD OFFICE (III):  NONE		CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III):  ATLANTIC MARINE CENTER, NORFOLK, VA.		OFFICER-IN-CHARGE  ALFRED C. HOLMES, DIRECTOR, AMC
INSTRUCTIONS DATED (III) (III):  Field Instructions                      February 11, 1969 Office Instructions                      January 18, 1965  Office Supplement III                      December 19, 1967 Office Supplement IV                      April 14, 1970		
METHOD OF COMPILATION (III):  Wild B-8 and graphic		
MANUSCRIPT SCALE (III):  1:10,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):  1:20,000 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):  <i>Sept. 4, 1975</i>
GEOGRAPHIC DATUM (III):  NA 1927	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 low water or mean lower low water	
REFERENCE STATION (III):  GULL, 1927		
LAT.: 56°48'06.884" 212.9M	LONG.: 133°48'47.715" 809.8M	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV):  y = 1,814,865,14 ft.      x = 2,656,262,42 ft.		STATE  Alaska
		ZONE  1
MAN 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-12205

FIELD INSPECTION BY (III):  NONE		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of Photography July 16, 1961 Aug. 5, 1969 Aug. 24, 1969		
PROJECTION AND GRIDS RULED BY (IV):  J. Dempsey - CORADOMAT	DATE April 10, 1970	
PROJECTION AND GRIDS CHECKED BY (IV):  Emil Homick - CORADOMAT	DATE April 10, 1970	
CONTROL PLOTTED BY (III): AEROTRIANGULATION - CORADOMAT	DATE April 10, 1970	
CONTROL CHECKED BY (III): AEROTRIANGULATION - CORADOMAT	DATE April 10, 1970	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  Robert E. Fisher	DATE February 19, 1970	
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L. O. Neterer, Jr. Checked by C. H. Bishop	DATE May 9, 1970 May 9, 1970
	CONTOURS INAPPLICABLE	DATE
MANUSCRIPT DELINEATED BY (III):  L. L. Graves	DATE June 16, 1970	
SCRIBING BY (III):  H. Gann	DATE July 14, 1971	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  C. Blood	DATE June, 1970	
REMARKS:		

**DESCRIPTIVE REPORT - DATA RECORD**

MERA (KIND OR SOURCE) (III):

Wild RC-8 "E" and "W"

**PHOTOGRAPHS (III)**

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69E(C)1936 and 69E(C) 1937	August 24, 1969	12:42PST	1:40,000	+10.3 feet above MLLW
*61W9380 - 9382	July 16, 1969	08:27PST	1:20,000	2.0 ft. above MLLW

**PREDICTED TIDE (III)**

**DIURNAL**

	RATIO OF RANGES	MEAN RANGE	XXXX RANGE
REFERENCE STATION: KETCHIKAN ALASKA		13.0	15.4
SUBORDINATE STATION: ENTRANCE ISLAND		12.3	14.7
SUBORDINATE STATION:			

Atlantic Marine Center  
WASHINGTON, D.C. 20540

REVIEW BY (IV): L. F. Beugnet

DATE: May 1972

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

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:

\*Used for MLLW only

T-12205

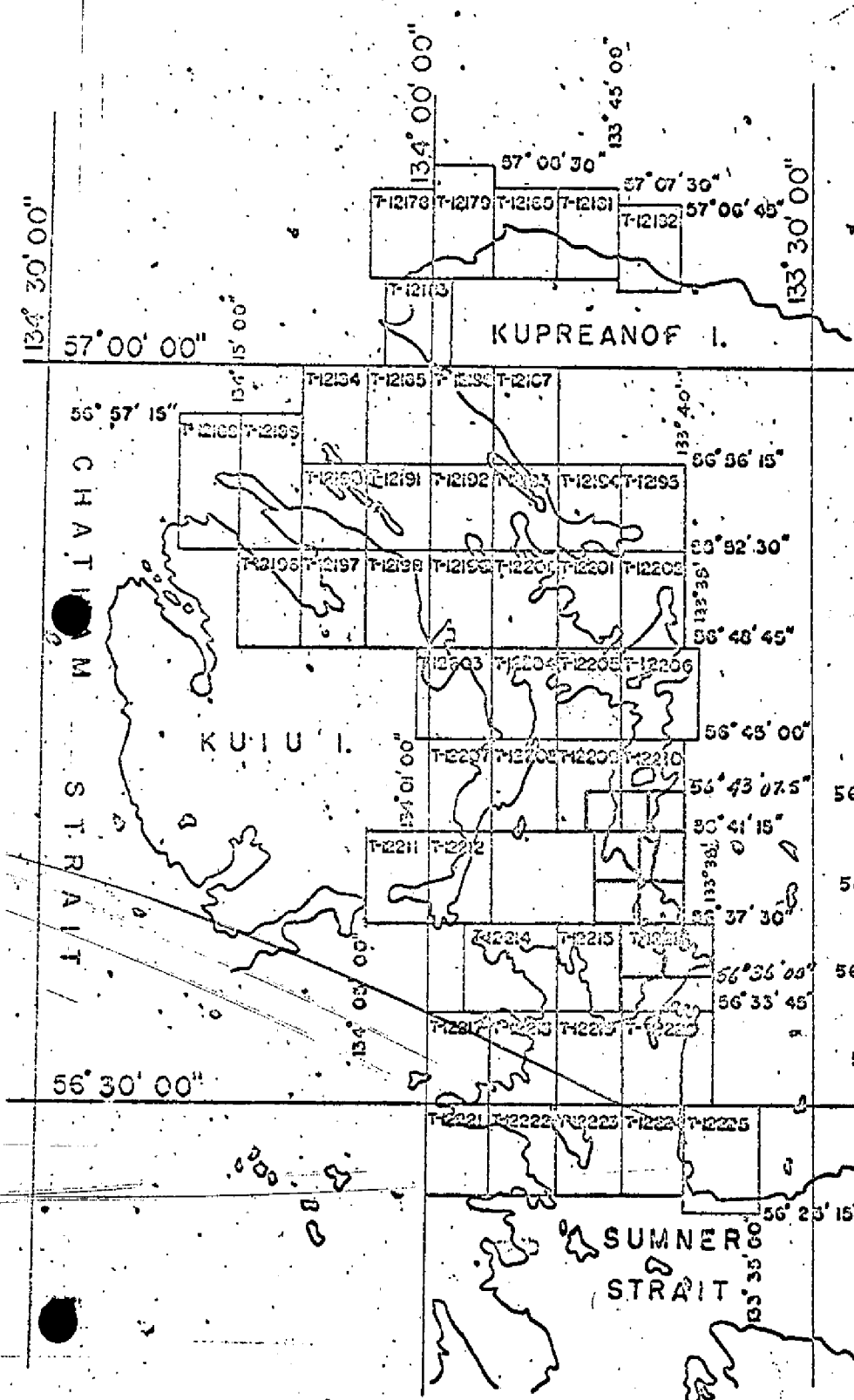
COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	June, 1970	Superseded
Field Edit Applied	June, 1971	Superseded
Final Review	May 1972	

# SHORELINE MAPPING PROJECT

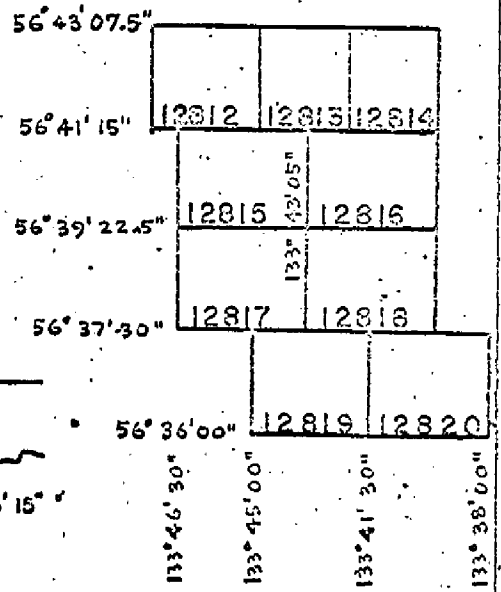
Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



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



Rev 3-3-59 R.P.  
Rev. 9-65 R.G.  
Revised 1-6-65

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12205

Shoreline survey T-12205 is one of 53 similar surveys in project PH-6206. The primary purpose of the surveys was to provide modern shoreline for nautical charts and photo-hydro support data for hydrographic surveys to be made in the same area. This survey covers a part of Keku Strait in the area of Entrance Island. See page 5 of the descriptive report for the location of this survey within the project.

With the exception of identification of horizontal control for aerotriangulation, there was no field work prior to compilation. The survey was field edited during the 1970 field season.

Compilation was at 1:10,000 scale using the photography of July 1961 and August 1969. Stable film positives along with ozalids and specially prepared photographs were provided for transfer of the shoreline to the boat sheet, photo-hydro support and field edit use.

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 May 1972. One cronaflex positive and a negative are forwarded for record and registry.



PH-6206

T-12205

FIELD INSPECTION REPORT

There was no field inspection prior to compilation.

Aerotriangulation Report  
PH-6206  
Keku Strait, Alaska

February 19, 1970

21. Area Covered

This project covers areas in the vicinity of Keku Strait - Kuiu Island, Alaska. T-sheets covered are as follows:

T-12203 thru T-12225  
all T-sheets are at 1:10,000 scale

22. Method

Five strips were bridged to provide horizontal positions of pass points needed for compilation. Strip #12 was bridged in two parts, 12a and 12b, because of open water. Strip #14 was not bridged due to satisfactory pass point coverage from Strips 13, 15 and 16.

Strip #11 was bridged on the C-5. Strips 12a, 12b, 13, 15 and 16 were bridged on the C-8. All were adjusted by electronic computer.

Strip #11 used seven control points and a tie point in a third degree adjustment.

Strip #12a used a first degree adjustment with two control points. One tie point was available for a check.

Strip #12b used a third degree adjustment with five control points.

Strip #13 used three control points in a second degree adjustment.

Strips 15 and 16 used four control points in third degree adjustments.

All pass points, except one in Strip #16, were drilled.

Corresponding tie point values were averaged.

This project was tied through common control stations with the 1966 project in this area.

23. Adequacy of Control

Horizontal control was adequate in all strips. However station "SPIT 1927" and its subpoint appearing in both Strip #11 of this project and in Strip #1 of the adjacent "Sumner Strait" project had residual errors on the order of 15 feet in X. These errors were similar in direction and magnitude for both points and in both strips. The reason for not obtaining a better check with these points is not known.

Many control stations in this project were recovered in 1965 and pricked on 1964, 1:20,000 scale photography. The 1970 bridge was run with new 1:40,000 scale photography, therefore, much of the old control was not visible in these bridges. All 1969 identified control used in this project was targeted.

The RMS errors in fit to control for the 1969 identified control, (except "SPIT 1927") and including the 1965 identified control "ALL 1927" and "CEN 1927" were 2.5 feet in X and 1.2 feet in Y. The maximum errors were 6.8 feet in X and 3.3 feet in Y.

24. Supplemental Data

U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of the bridges.

25. Photography

Photography was satisfactory with regards to coverage, overlap and definition.

Submitted by,  
*John P. Brown Jr. for*  
Robert E. Fisher  
Cartographer (Photo)

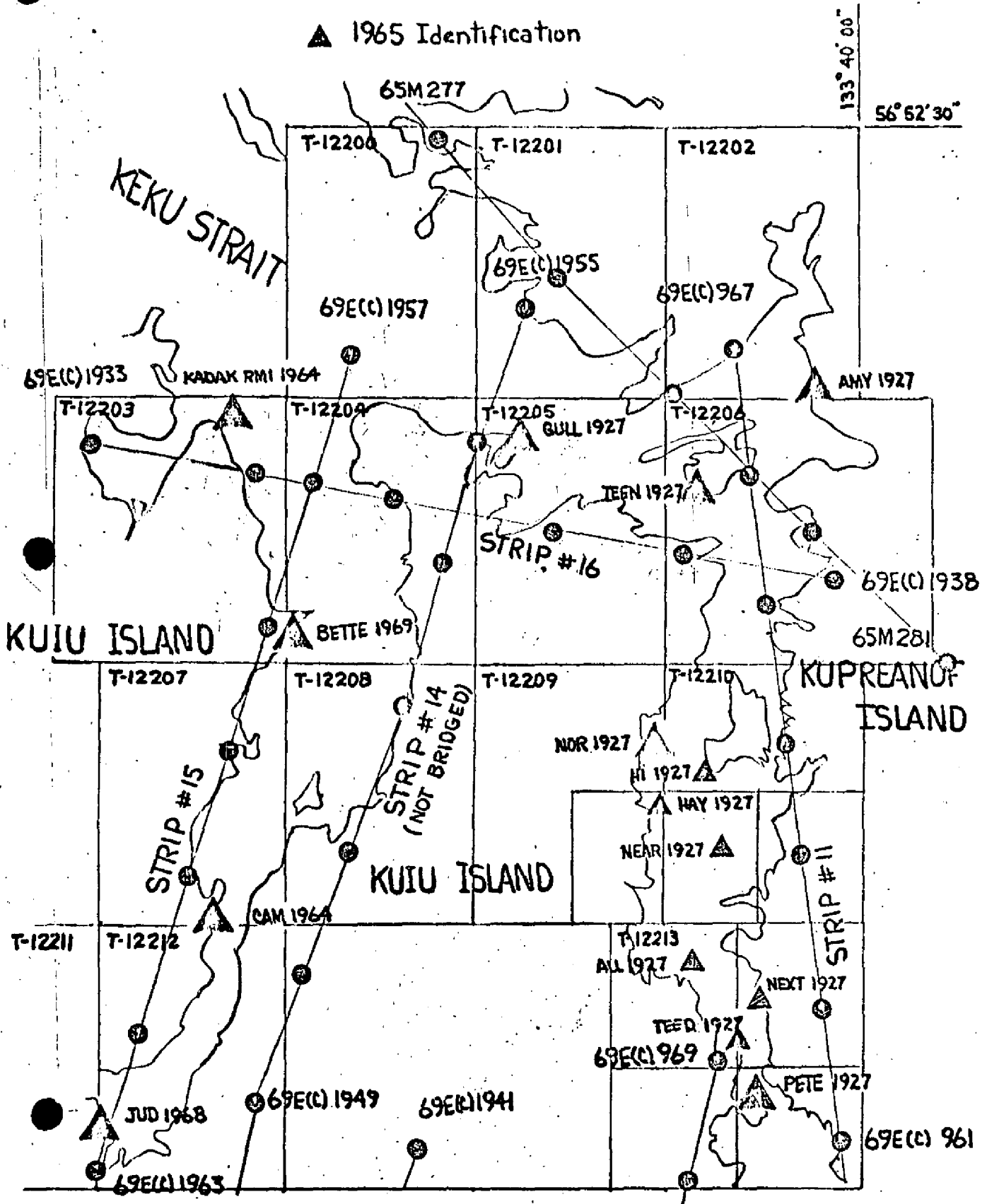
Approved and forwarded,  
*Henry P. Eichert*  
Henry P. Eichert  
Chief, Aerotriangulation  
Section

# KEKU STRAIT ALASKA

PH 6206 FEB 1970

▲ 1969 Identification

▲ 1965 Identification



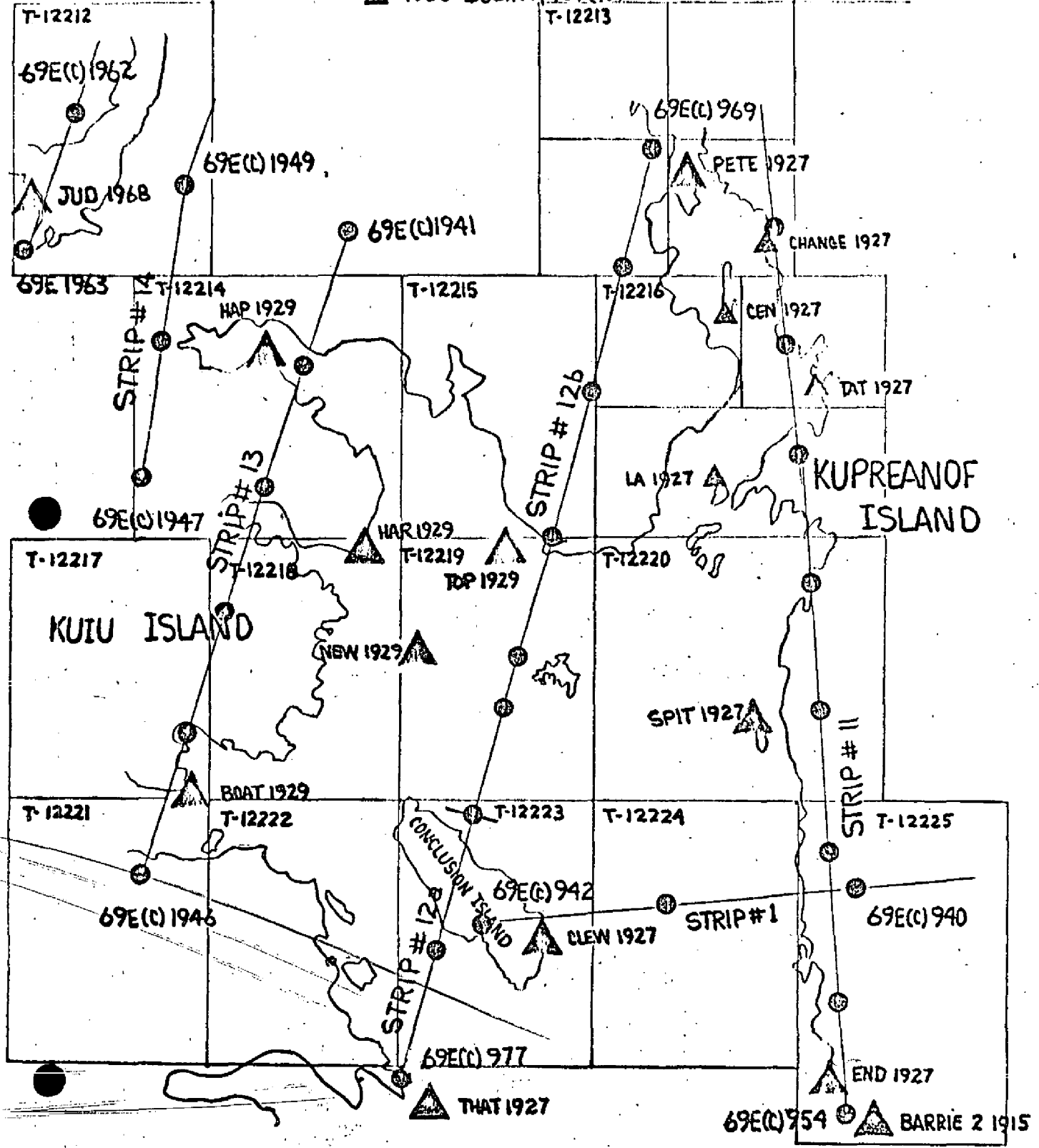
# KEKU STRAIT ALASKA PH 6206

▲ 1969 Identification

▲ 1965 Identification

133° 40' 00"

56° 41' 15"





PH-6206

T-12205

31. DELINEATION

The Wild B-8 Plotter was used. Photographic coverage was adequate; however, much of the mean high water line was obscured by tree overhang and dense shadows. There was no field inspection.

32. CONTROL

See Aerotriangulation report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was delineated from office interpretation of photography of August, 1969. The stage of tide of these photographs was 10.3 ft. and 5.3 ft. above MLLW.

The foreshore details and MLLW line were taken from photography of July, 1961. The stage of tide of these photographs was 2.0 ft. above MLLW.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junctions were made with T-12201 to the north, T-12206 to the east, T-12209 to the south and T-12204 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

Field edit was adequate. All questions were answered except for a few rock heights.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle, PETERSBURG (D-6), Alaska; Scale 1:63,360 dated 1951-1964.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison with Chart 8272, scale 1:20,000, third edition dated October 17, 1966 and Chart 8201, scale 1:217,828, 11th edition dated March 4, 1963: revised July 20, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE BROUGHT FORWARD:

None

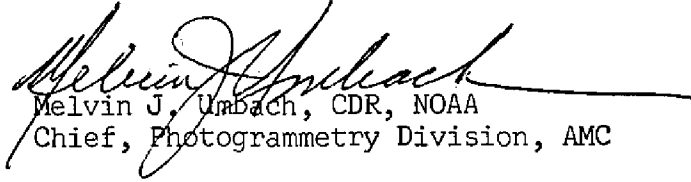
Submitted

*L. L. Graves*


L. L. Graves  
Cartographic Technician  
June 17, 1970



Approved for forwarding:

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

Approved:

  
Alfred C. Holmes  
RADM, NOAA  
Director, AMC

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-6206 (Keku Strait, Alaska)

T-12205

Berry Island

Cucumber Reef

Entrance Island

Keku Strait

Kuiu Island

Kupreanof Island

Rocky Pass

Stedman Cove

*Horseshoe Island - PA*

Approved by:

*A. J. Wraight*A. Joseph Wraight  
Chief Geographer

Prepared by:

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

O.K. 4-4-72

49. NOTES FOR THE HYDROGRAPHER

There were no notes for the hydrographer.

PHOTOGRAMMETRIC OFFICE REVIEW

T-12205

1. PROJECTION AND GRIDS CB		2. TITLE CB		3. MANUSCRIPT NUMBERS CB		4. MANUSCRIPT SIZE CB	
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 XX	
8. BENCH MARKS XX		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT CB		11. DETAIL POINTS CB	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE CB		13. LOW-WATER LINE CB		14. ROCKS, SHOALS, ETC. CB		15. BRIDGES XX	
16. AIDS TO NAVIGATION CB		17. LANDMARKS CB		18. OTHER ALONGSHORE PHYSICAL FEATURES CB		19. OTHER ALONGSHORE CULTURAL FEATURES CB	
PHYSICAL FEATURES							
20. WATER FEATURES CB				21. NATURAL GROUND COVER XX		22. PLANETABLE CONTOURS XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS XX		24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		26. OTHER PHYSICAL FEATURES CB	
CULTURAL FEATURES							
27. ROADS CB		28. BUILDINGS CB		29. RAILROADS XX		30. OTHER CULTURAL FEATURES CB	
BOUNDARIES							
31. BOUNDARY LINES XX				32. PUBLIC LAND LINES XX			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES CB			34. JUNCTIONS CB			35. LEGIBILITY OF THE MANUSCRIPT CB	
36. DISCREPANCY OVERLAY CB		37. DESCRIPTIVE REPORT CB		38. FIELD INSPECTION PHOTOGRAPHS NONE		39. FORMS CB	
40. REVIEWER C. Blood June, 1970				SUPERVISOR, REVIEW SECTION OR UNIT A. 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 Field Edit: J. Bulfer June, 1971				SUPERVISOR			
43. REMARKS Field Edit applied from: Field Edit Ozalid, Field Photos 69 E 1936, 61 W 9379, 61 W 9381							

FIELD EDIT REPORT  
 Keku Strait  
 Southeast Alaska  
 OPR-448

June - October 1970

INTRODUCTION

Field edit reports are attached for the following maps:

T-12205	(TP-00205)
T-12206	(TP-00206)
T-12209	(TP-00209)
T-12210	
T-12216	
T-12220	
T-12224	
T-12225	

Field photographs and copies of the field edit ozalids were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalids in the field. Isolated rocks, high points of ledges, ledge limits, and some shoreline were located by three-point fixes with check angles. Fixes were plotted on boat sheets:

DA-10-4-70  
 DA-10-5-70  
 DA-10-6-70  
 DA-10-7-70

and then transferred to the T-sheets and ozalids for comparison.

Notes have been made in red on the field photographs and have been cross referenced on the Field Edit Ozalids by photograph number. All times are based on 105° West meridian. Individual reports by manuscripts are attached.

TIDE NOTES

The following tide stations were used for hydrography in the Keku Strait area:

Pup Island  
 High Island  
 Eagle Island  
 Monte Carlo Island

Manuscripts T-12201 and T-12202 were inspected. Since no field edit was requested by the compilers the inspection was to check the manuscript in general. The manuscripts agreed quite well with the field inspection.

FIELD EDIT REPORT  
 MAP-TP-12205  
 Keku Strait  
 Southeast Alaska  
 July-August 1970

Field edit of map TP-00205 was done by Ens. Howard Herz, Ens. Gregory Miller and LCdr. Fidel Smith during July and August of 1970. Inspection was done on foot and in various small boats.

METHOD

Field photographs and a copy of the field ozalid were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalids in the field. Isolated rocks, high points of ledges, and ledge limits were located by three point fixes with check angles. In areas where the shoreline was in doubt due to shadows on the photographs, the shoreline was walked and sextant fixes were taken and plotted on the boatsheet (DA 10-4-70, H-9158). In areas where the shoreline has been corrected, corrections have been made on the boatsheet and on the T-sheets.

Notes have been made in red on the field photographs and have been cross-referenced on the "Field Edit Ozalid" by photograph number. All times are based on 105° W meridian. Notes are on the following photographs:

16 Jul 61 W 9379  
 16 Jul 61 W 9381  
 24 Aug 69 E 1936

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of isolated boulders compares well to the photogrammetric location of the same boulders. In two areas, the shoreline was corrected (in lat. 56°48.0'N long. 133° 49.3'W, lat. 56° 47.5'N long. 133° 49.0'W). The shoreline in area (lat. 56° 48.5'N long. 133° 46.3'W) could not be verified due to poor control and a questionable Mean High Water Line. A visual inspection of this area indicated that the general configuration of the shoreline is as indicated on the T-sheet.

Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes on the "Field Edit Ozalid" and on the photographs and that the map be accepted as an advance manuscript.

Respectfully submitted,

*Howard W. Herz*  
 Howard W. Herz  
 Lt(jg). NOAA

## APPROVAL SHEET FOR FIELD EDIT

The field edit of the following manuscripts was accomplished under my supervision:

T-12205.....TP-00205  
T-12206.....TP-00206  
T-12209.....TP-00207  
T-12210  
T-12216  
T-12220  
T-12224  
T-12225

Inspection of the work was made.



Ray E. Moses  
CDR. NOAA  
Commanding Officer  
NOAA Ship DAVIDSON





RESPONSIBLE PERSONNEL		TITLE	
TYPE OF ACTION	NAME		
1. Objects inspected from seaward		<input type="checkbox"/> FIELD INSPECTOR	
		<input type="checkbox"/> FIELD EDITOR	
2. Positions determined and/or verified	Howard W. Herz	FIELD INSPECTOR	
	Thomas Bulfer	FIELD EDITOR	INJG NOAA
3. Forms originated by Quality Control and Review Group and final review activities		COMPILER	Cartographer
		<input type="checkbox"/> REVIEWER	
		<input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN/TITLE TYPE OF ENTRIES

COMPLATION Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION 1. New Position Determined - Enter the applicable data by symbols as indicated below:

FIELD EDIT F - Field 273 30 P - Photogrammetric 1. Field identified 9 10 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

- 1. Triangulation
- 2. Traverse
- 3. Intersection
- 4. Resection
  - a. Theodolite
  - b. Planetable
  - c. Sextant

Immediately beneath the data described above, enter the following:

- a. For 'Field Positions' enter the date of location.
- b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

## REVIEW REPORT T-12205

## SHORELINE

May 12, 1972

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. 4340. This is a 1:10,000 scale survey made in September-October, 1927. It appears to be the source for the shoreline, reefs, and rocks on chart 8272 so that any differences that exist between that chart and T-12205 will also exist between T-12205 and survey number 4340.

Registered survey No. 4340 is now superseded by T-12205 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. PETERSBURG (D-6), ALASKA, 1:63,360 scale quadrangle, edition of 1948. The two surveys were found to be in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with copies of boat sheets H-9158 (DA-10-4-70) and H-9159 (DA-10-5-70). These boat sheets seem to be in good general agreement with T-12205. There is a difference in the location of the mean lower low water line and for this reason it has been retained on the shoreline survey and noted as approximate for any value it may be to the nautical chart compiler.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with charts 8201, 16th edition, dated November 7, 1970 and 8272, 4th edition, dated November 21, 1970. The differences between chart 8272 and T-12205 have been noted on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

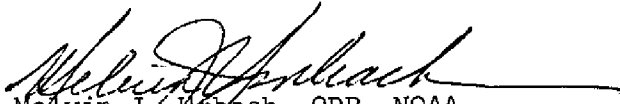
This survey complies with instructions and meets the National Standards of Map Accuracy.

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

48'30"

133° 48'00" r=2,660,000 FT.

47'30"

133° 47'00"

Entrance Island

KEKU STRAIT  
DAYBEACON 54 1970

BEAK 1927

56° 48' 30"

K

E

K

U

Appear only as reefs on photographs →

KEKU STRAIT  
DAYBEACON 53 1970

S

T

R

A

I

T

61-W-9381

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° 47' 30"

T-12205

1:10,000

46'30" x=2,665,000 FT.

46'00"

45'30"

133°45'00"

56°48'45"

# KUPREANOF ISLAND

Pond

approximate

reef

48'30"

*Not visible on photographs*

y=1,815,000 FT.

48'00"

# Horseshoe Island

Stedman Cove

*Items in red from Chart 8272*

UN 1927 KEKU STRAIT DAYBEACON 52 1970

FLAT, 1927

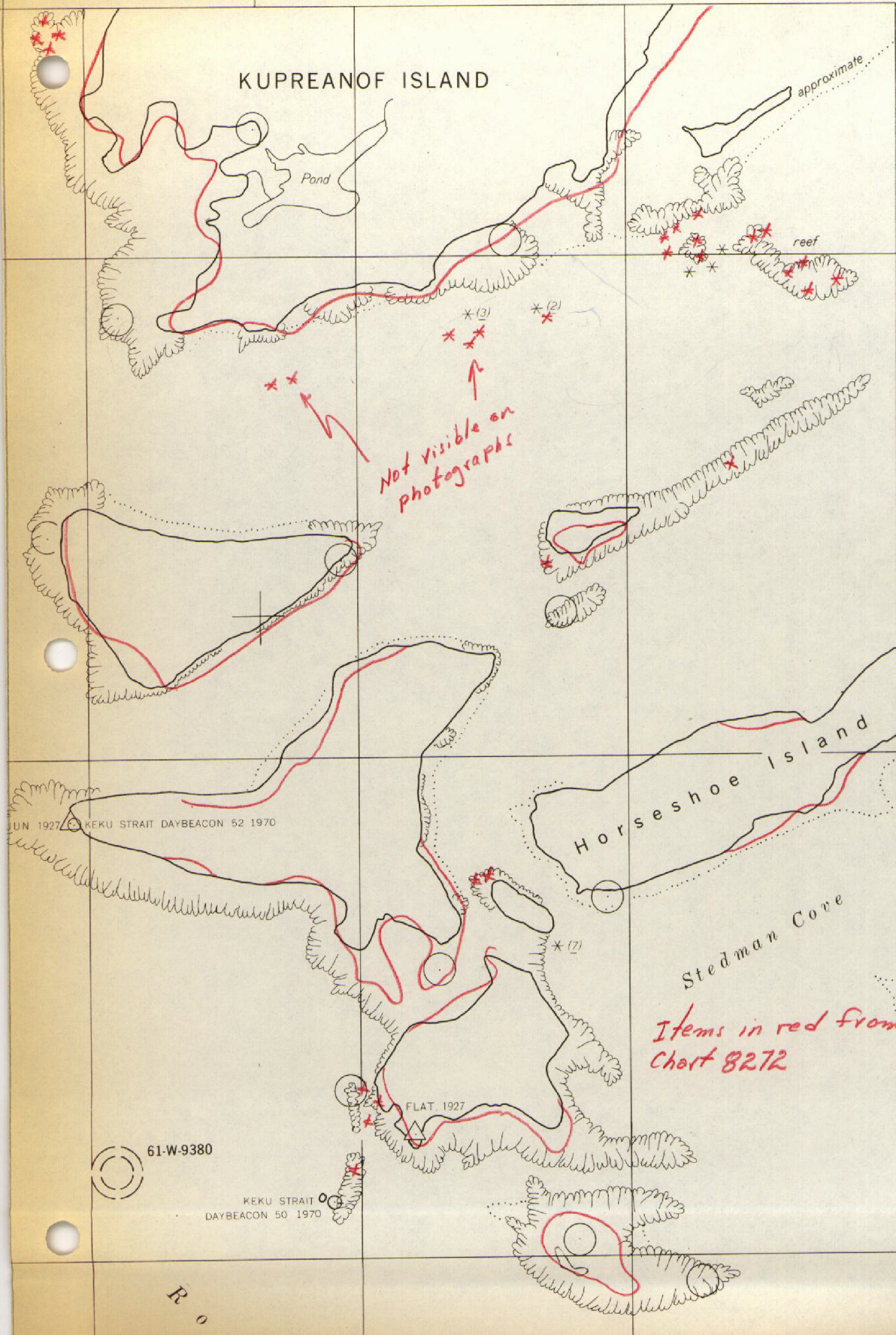
61-W-9380

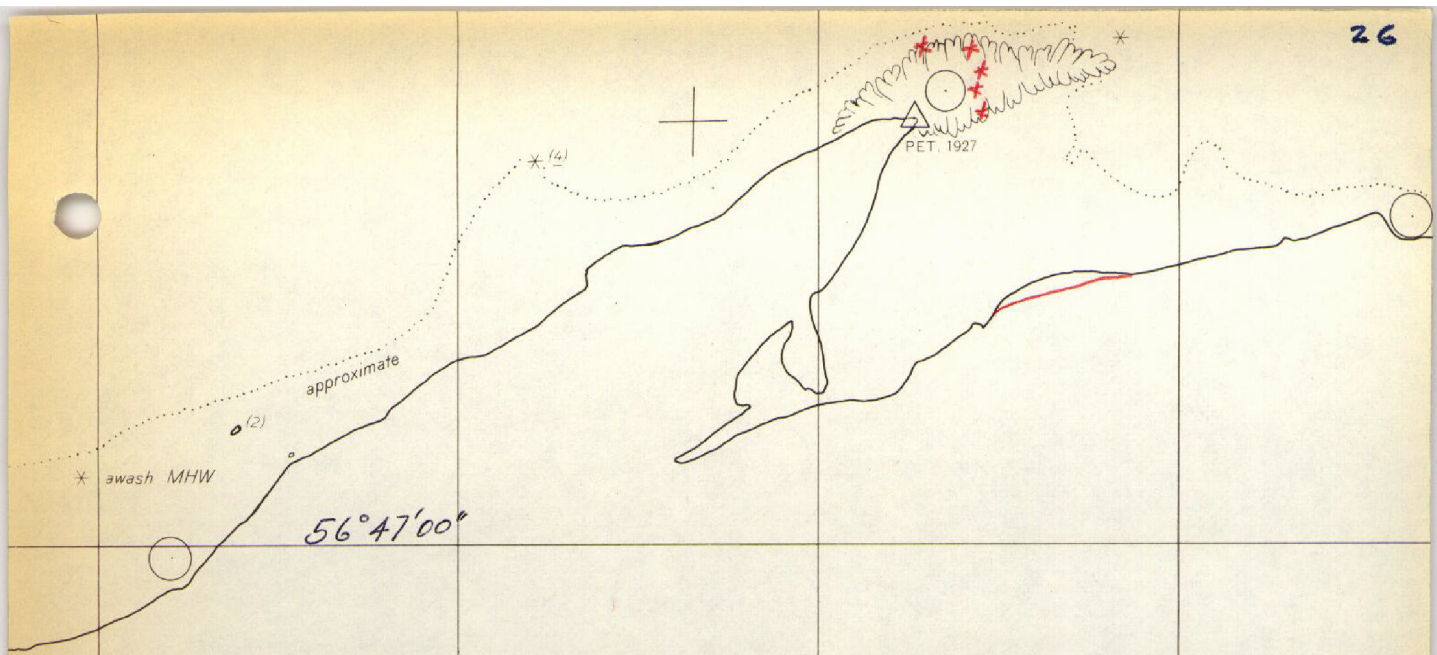
KEKU STRAIT DAYBEACON 50 1970

47'30"

T-12205  
1:10,000

R o c





56°47'00"

Items in red from Chart 8272

U I U I S L A N

133°48'00"

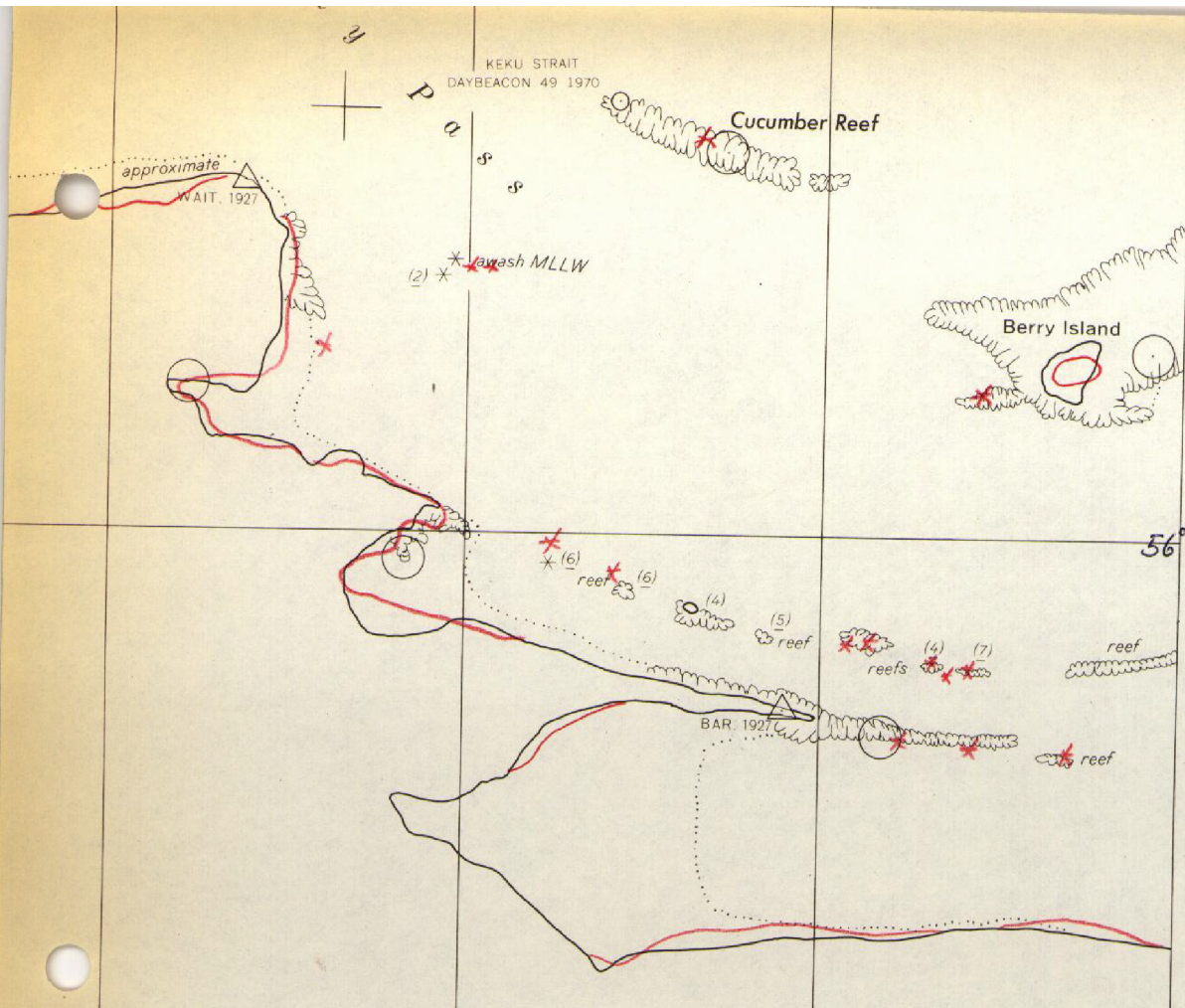
133°47'00"

56°46' 00"

T-12205  
1:10,000

KEKU STRAIT  
DAYBEACON 49 1970

y=1,810,000 FT.



56° 47'00"

56° 46'30"

y=1,805,000 FT.

*Items in red from  
chart 8272*

D

133° 46'00"

69-E(C)-1937

133° 45'00"

T-12205

1:19,000

46'00"