

12211

12211

FORM C&GS-504 U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
Type of Survey <u>SHORELINE (Photogrammetric)</u>	
Field No. _____	Office No. <u>T-12211</u>
LOCALITY	
State <u>ALASKA</u>	
General locality <u>KEKU STRAIT</u>	
Locality <u>HEAD OF PORT CAMDEN</u>	
<u>1961-1970</u>	
CHIEF OF PARTY Alfred C. Holmes Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE _____	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

T-12211

PROJECT NO. (II): PH-6206			
FIELD OFFICE (II): NONE		CHIEF OF PARTY	
PHOTOGRAMMETRIC OFFICE (III): ATLANTIC MARINE CENTER, NORFOLK, VA.		OFFICER-IN-CHARGE Alfred C. Holmes	
INSTRUCTIONS DATED (II) (III): OFFICE SUPPLEMENT III DECEMBER 19, 1967 OFFICE SUPPLEMENT IV APRIL 14, 1970 FIELD INSTRUCTIONS FEBRUARY 11, 1969 OFFICE INSTRUCTIONS JANUARY 18, 1965			
METHOD OF COMPILATION (III): WILD B-8 STEREOPLOTTER			
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): Sept. 4, 1975
GEOGRAPHIC DATUM (III): N.A. 1927		VERTICAL DATUM (III): MEAN HIGH WATER 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): NONE			
LAT.: M	LONG.: M	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV): FT. x = 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.			

DESCRIPTIVE REPORT - DATA RECORD

T-12211

FIELD INSPECTION BY (II): NONE		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): AIR PHOTO COMPILATION DATE OF PHOTOGRAPHY: AUG. 24, 1969		
PROJECTION AND GRIDS RULED BY (IV): J. DEMPSEY		DATE April 10, 1970
PROJECTION AND GRIDS CHECKED BY (IV): E. HOMICK		DATE April 10, 1970
CONTROL PLOTTED BY (III): A. SHANDS		DATE June 11, 1970
CONTROL CHECKED BY (III): F. MARGIOTTA		DATE June 11, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): ROBERT E. FISHER		DATE Feb. 19, 1970
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY A. Shands Reviewed R. White	DATE June 22, 1970 June 23, 1970
	CONTOURS: INAPPLICABLE	DATE
MANUSCRIPT DELINEATED BY (III): C. E. BLOOD		DATE June 26, 1970
SCRIBING BY (III): R. WHITE		DATE July 12, 1971
PHOTOGAMMETRIC OFFICE REVIEW BY (III): F. P. MARGIOTTA		DATE June 29, 1970
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD
T-12211

NUMERA (KIND OR SOURCE) (III):

WILD RC-8 "E"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69E(c)-1962 and 69E(c)-1963	24 Aug 1967	1411 PDST	1:40,000	9.6 ft. above MLLW
61W9508 & 9509	16 July 1961	1015 PST	1:20,000	0.3 ft. below MLLW

PREDICTED TIDE (III)

Diurnal

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	KETCHIKAN, ALASKA		13.0	15.4
COORDINATE STATION:	PORT CAMDEN		11.5	13.9
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, AMC		DATE: May, 1972		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	NONE	RECOVERED:	IDENTIFIED:	
		NONE	NONE	
NUMBER OF BM(S) SEARCHED FOR (II):	NONE	RECOVERED:	IDENTIFIED:	
		NONE	NONE	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):		NONE		
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):		NONE		

REMARKS:

T-12211

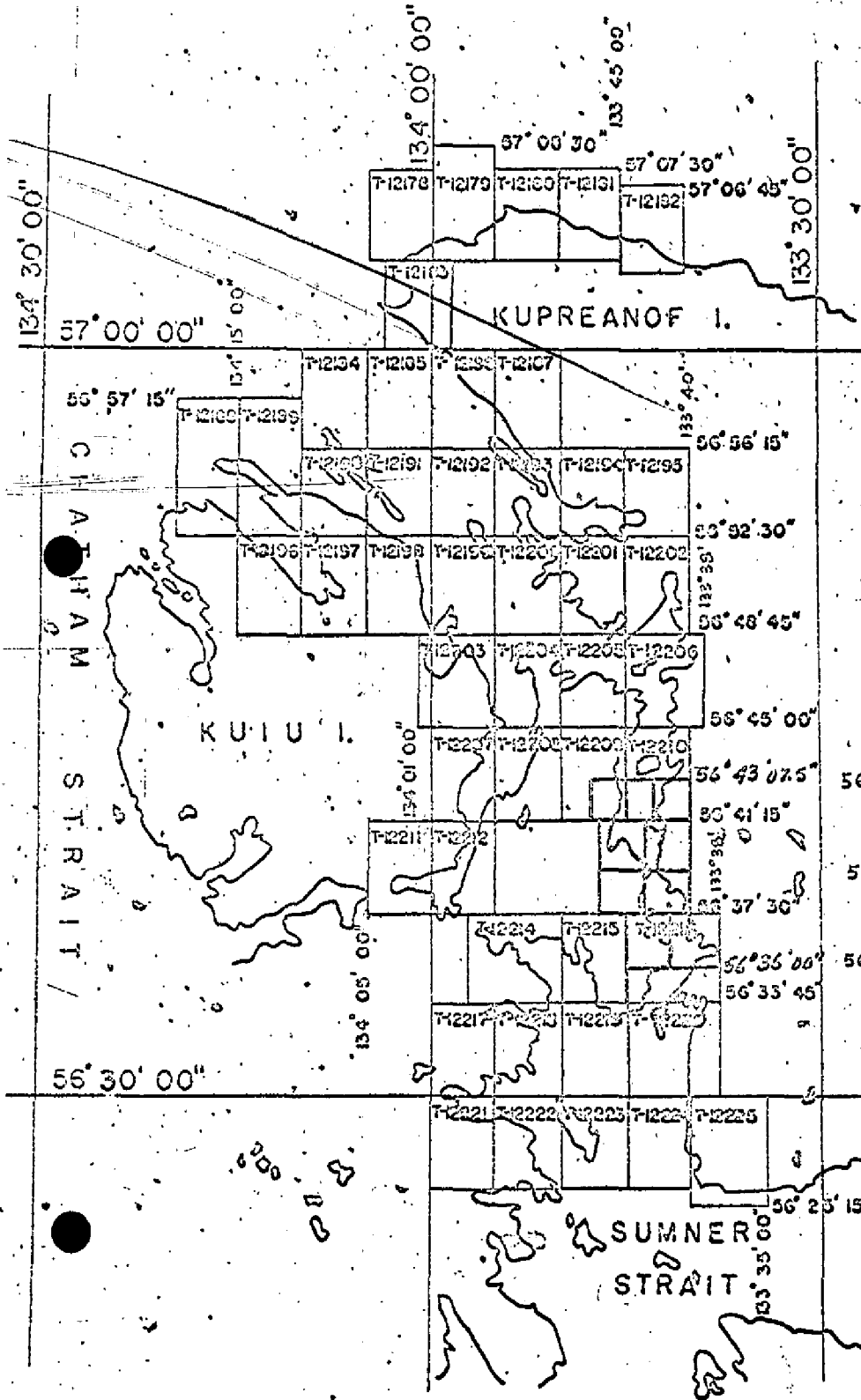
COMPILATION RECORD	COMPLETION DATE	REMARKS
COMPILATION COMPLETE, PENDING FIELD EDIT	June 26, 1970	Superseded
FIELD EDIT APPLIED	June 29, 1970	
<i>Final Review</i>	<i>May, 1972</i>	

SHORELINE MAPPING PROJECT

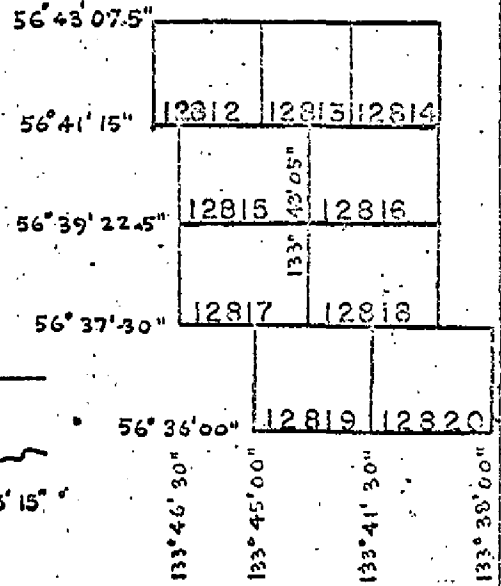
Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



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



REV 3-3-69 A.P.
REV. 9-65 R.G.
REVISED 1-6-65

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12211

Shoreline survey T-12211 is one of 53 similar surveys in project PH-6206. The primary purpose of the survey was to provide modern shoreline for nautical charts and photographic support data for hydrographic surveys to be made in the Keku Strait area. Because of difficulty during aerotriangulation, the compilation of the manuscript was delayed and it was not furnished for hydrographic support use.

There was no field work prior to compilation with the exception of identification of horizontal control for aerotriangulation. The survey was subsequently field edited during the 1970 field season.

Compilation was at 1:10,000 scale by Wild B-8 plotter methods using the photography of August 1969. The 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 of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT

JOB PH-6206

T-12211

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.

-2-

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,

Robert E. Fisher
Robert E. Fisher
Cartographer (Photo)

Approved and forwarded,

Henry P. Eichert
Henry P. Eichert
Chief, Aerotriangulation
Section

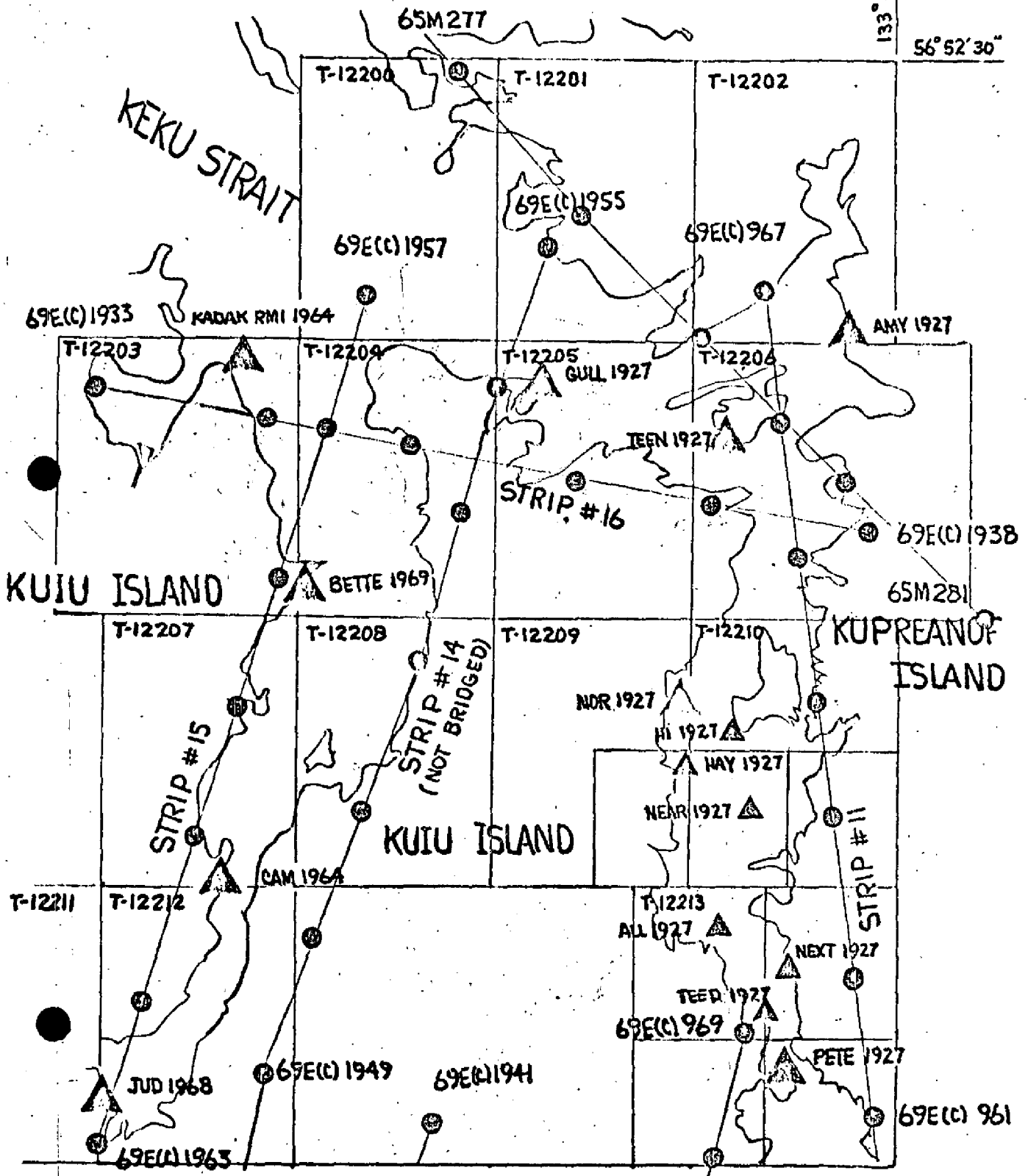
KEKU STRAIT ALASKA
PH 6206 FEB 1970

▲ 1969 Identification

▲ 1965 Identification

133° 40' 00"

56° 52' 30"



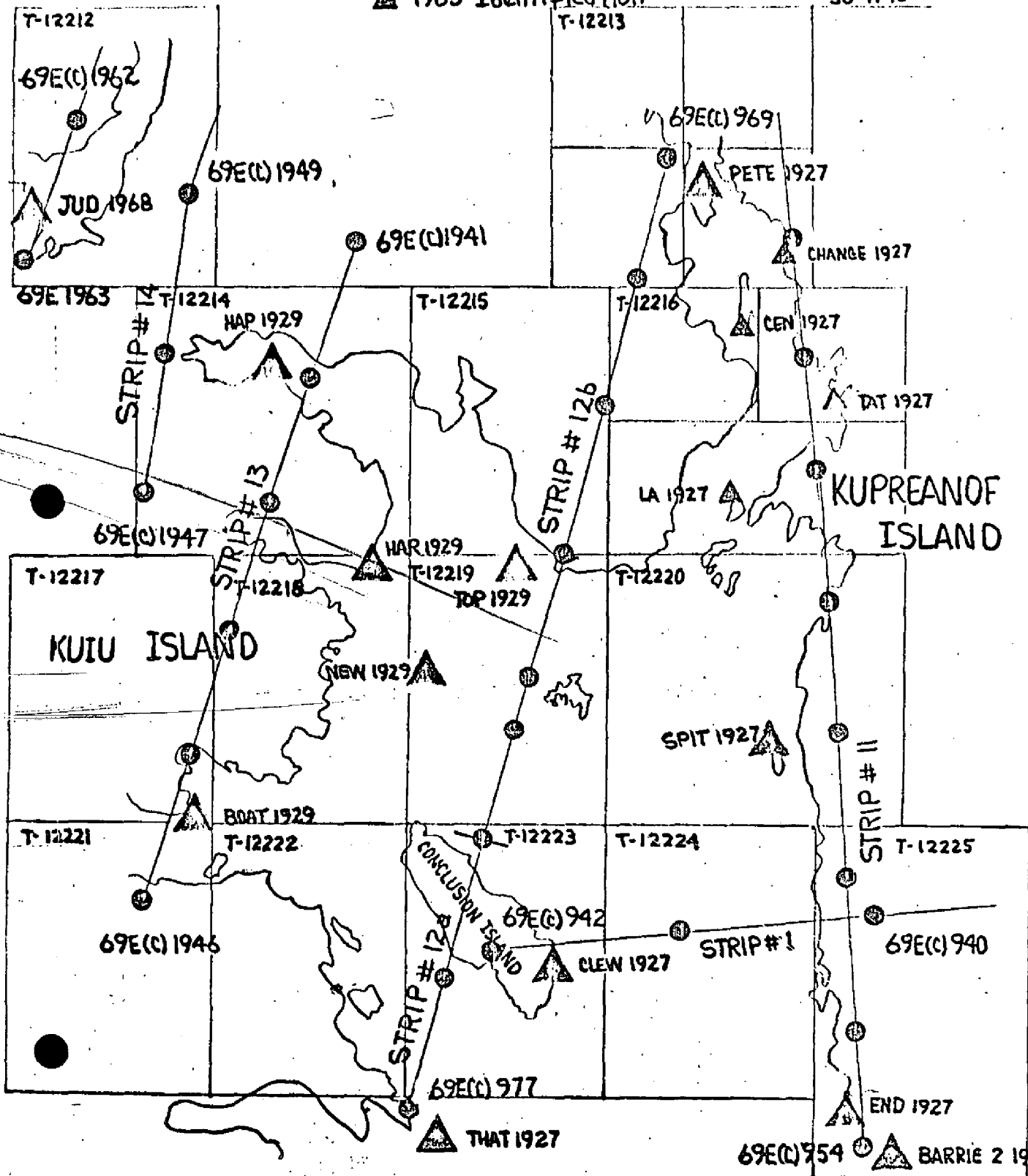
KEKU STRAIT ALASKA PH 6206

▲ 1969 Identification

▲ 1965 Identification

133° 40' 00"

56° 41' 15"



DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12211 PROJECT NO. PH-6206 SCALE OF MAP 1:10,000 SCALE FACTOR NONE

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N. A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Pt. = 3048006 meters) FORWARD (BACK)
<i>NONE</i>				

Compilation Report

T-12211

31. DELINEATION

The Wild B-8 Stereoplotter was used to compile the mean high water line from the 1:40,000 scale color photography of August, 1969. Points common to the 1:20,000 scale panchromatic photography were dropped for use in the graphic compilation of detail below the mean high water line. There was no field inspection.

32. CONTROL

See "Aerotriangulation Report", dated February 19, 1970.

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 and all alongshore details were compiled from office interpretation of the photographs. See item # 31.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

There was no contemporary survey to the north, west, or south. Junction was made with T-12212 to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. quadrangle Port Alexander (C-1), Alaska, scale 1:63,360, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 8201, scale 1:217,828, 15th edition, dated Nov.15, 1969 (corrected through N.M. 46/69).

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Frank P. Margiotta
Frank P. Margiotta
Cartographic Technician
June 29, 1970

Approved for forwarding:



Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division
Atlantic Marine Center

Approved:



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206 (Keku Strait, Alaska)

T-12211

Kuiu Island

Port Camden

Approved by:



A. Joseph Wraight
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

O.K. 4-4-72

T-12211

49. NOTES FOR THE HYDROGRAPHER

None

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
T-12211			
1. PROJECTION AND GRIDS FPM	2. TITLE FPM	3. MANUSCRIPT NUMBERS FPM	4. MANUSCRIPT SIZE FPM
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY <i>(Topographic stations)</i> NA	7. PHOTO HYDRO STATIONS
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT FPM	11. DETAIL POINTS FPM
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE FPM	13. LOW-WATER LINE FPM	14. ROCKS, SHOALS, ETC. FPM	15. BRIDGES FPM
16. AIDS TO NAVIGATION FPM	17. LANDMARKS FPM	18. OTHER ALONGSHORE PHYSICAL FEATURES FPM	19. OTHER ALONGSHORE CULTURAL FEATURES FPM
PHYSICAL FEATURES			
20. WATER FEATURES FPM		21. NATURAL GROUND COVER FPM	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES FPM
CULTURAL FEATURES			
27. ROADS FPM	28. BUILDINGS FPM	29. RAILROADS FPM	30. OTHER CULTURAL FEATURES FPM
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES FPM		34. JUNCTIONS FPM	35. LEGIBILITY OF THE MANUSCRIPT FPM
36. DISCREPANCY OVERLAY FPM	37. DESCRIPTIVE REPORT FPM	38. FIELD INSPECTION PHOTOGRAPHS FPM	39. FORMS FPM
40. REVIEWER FPM		SUPERVISOR, REVIEW SECTION OR UNIT	
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 C. E. Blood June 30, 1971		SUPERVISOR	
43. REMARKS Field Edit applied from: Field Edit Ozalid and Field Photo 69 E 1963			

FIELD EDIT REPORT
OPR-448
Port Camden
Southeast Alaska

INTRODUCTION

Field edit reports are attached for the following maps:

T-12203
T-12204
T-12207
T-12208
T-12211
T-12212

Field photographs and copies of the field edit ozalid were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalids in the field and paced distances from photo-identifiable objects.

Notes have been made in red-violet ink on the photographs and cross-referenced with the ozalids. All times are based on 105° W meridian.

Field inspection of these maps is completed and it is recommended that they be revised in accordance with this field edit and accepted as advance manuscripts.

FIELD EDIT REPORT
MAP-T-12211
Southeast Alaska
Head Of Port Camden

This field edit was performed by LCdr. F.T. Smith on foot and from a small boat.

METHOD

The field edit ozalid and field photographs were taken into the field and the specific items were inspected. All verifications were by visual observations. The MHW line was checked by pacing from photo identifiable objects where possible or where it appeared to be in error. There were no aides to navigation or landmarks on this map. Notes have been made on the field edit ozalid and cross referenced to the photograph 69E1963A11. All times are on the 105° W meridian. The manuscript was compared to the hydrography that was run in 1969 in this area.

ADEQUACY OF COMPILATION

The compilation of the map appears to be adequate.

RECOMMENDATIONS

It is recommended that this manuscript be revised in accordance with the notes on the ozalid and photographs and map be accepted as an advance manuscript.

Respectfully submitted,


F.T. Smith
F.T. Smith
LCdr. NOAA

APPROVAL SHEET FOR FIELD EDIT
OPR-448
Port Camden

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

T-12203
T-12204
T-12207
T-12208
T-12211
T-12212

Inspection of the work was made.


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

REVIEW REPORT T-12211

SHORELINE

May 1, 1972

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. 2116. This is a 1:80,000 scale survey made in 1893. It is now obsolete and is superseded by T-12211 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. PORT ALEXANDER (C-1), 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 a copy of boat sheet H-9083 (DA-10-5-69). There is no shoreline, ledges or rocks on the boat sheet in the area common with T-12211. The mean lower low water lines of the two surveys is not in perfect agreement, however that line has been retained on T-12211, annotated approximate, for any value it may be to the nautical chart compiler.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 8201, 16th edition, dated November 7, 1970. No major discrepancies between the two surveys were noted.

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