

12214

12214

NOAA FORM 76-35  U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY  <b>DESCRIPTIVE REPORT</b>	
<i>Type of Survey</i> ..... Shoreline (Photogrammetric)	
<i>Job No.</i> ..PH-6206.....	<i>Map No.</i> ..T-12214...
<i>Classification No.</i>	<i>Edition No.</i> .....
Field Edited	
<b>LOCALITY</b>	
<i>State</i> Alaska.....	
<i>General Locality</i> Keku Strait.....	
<i>Locality</i> Threemile Arm, Head Of.....	
<hr/> <b>1961 TO 1971</b> <hr/> Alfred C. Holmes, Director, AMC	
<b>REGISTRY IN ARCHIVES</b>	
<b>DATE</b> .....	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

## DESCRIPTIVE REPORT - DATA RECORD

T -12214

OBJECT 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):  OFFICE SUPPLEMENT III December 19, 1967 OFFICE " IV April 14; 1970 FIELD INSTRUCTIONS - February 11, 1969 OFFICE INSTRUCTIONS - January 18, 1965		
METHOD OF COMPILATION (III): Wild B-8 Stereo Plotter 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): Sept. 4, 1975
GEOGRAPHIC DATUM (III): N.A. 1927	VERTICAL DATUM (III) HIGH WATER MEAN <del>LOW WATER</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): Hap, 1929		
LAT.: 56°36'24.225" (749.3)M	LONG.: 133°53' 36.363 (620.3)M	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 1,743,607.27 Ft.      x = 2,639,956.22 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-12214

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):  Coradomat		DATE May 7, 1970
CONTROL CHECKED BY (III):  Coradomat		DATE May 7, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  Robert E. Fisher		DATE Feb. 1970
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: L.O. Neterer Reviewed By: A.L. Shands	DATE July 15, 1970 July 15, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III):  L.O. Neterer, Jr.		DATE July 31, 1970
SCRIBING BY (III): H. Gann		DATE Sept. 24, 1971
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  L.L. Graves		DATE August 13, 1970
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

T-12214

MERA (KIND OR SOURCE) (III):

Wild RC-8 "E"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69-E-(c)-1942 & 1943	Aug. 24, 69	12:54	1:40,000	8.8 above MLLW
61-W-9433 & 9434	July 16, 61	09:11	1:20,000	0.1 above MLLW
61-W-9456 & 9457	July 16, 61	09:33	1:20,000	0.2 below MLLW
61-W-9497 thru 9501	July 16, 61	10:08	1:20,000	0.1 below MLLW
61-W-9513 thru 9515	July 16, 61	10:25	1:20,000	0.3 below MLLW

Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	RANGE
REFERENCE STATION: Kethikan, Alaska		13.0	15.4
SUBORDINATE STATION: Seclusion Harbor, Alaska		10.2	12.3
SUBORDINATE STATION:			

Atlantic Marine Center  
C.H. Bishop

DATE:  
April 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 8	RECOVERED: 8	IDENTIFIED: 1
NUMBER OF BM(S) SEARCHED FOR (III): None	RECOVERED: None	IDENTIFIED: None
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):	None	
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):	None	

REMARKS:

T-12214

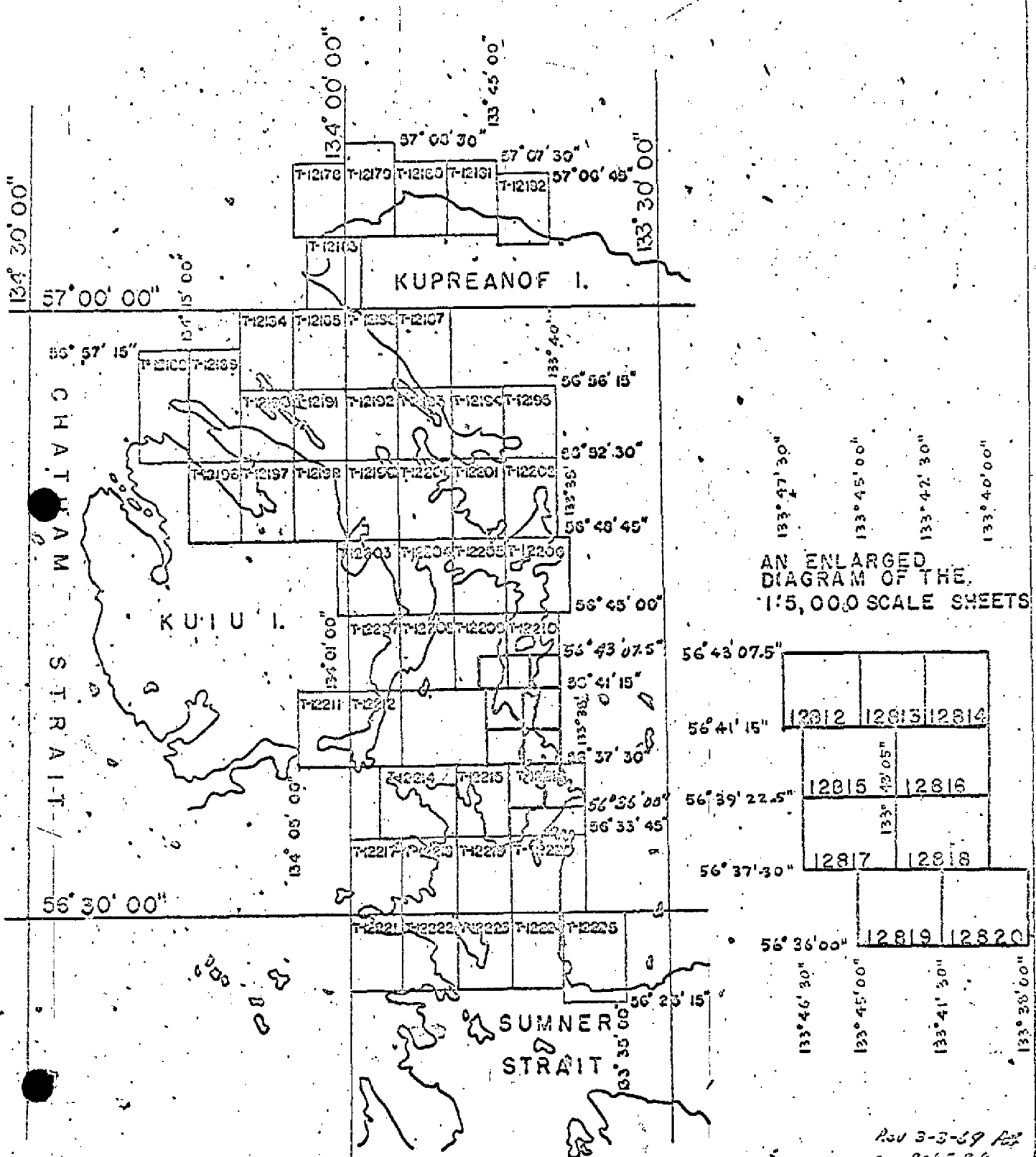
COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	July 1970	Superseded
Field Edit Applied	Sept. 1971	Superseded
Final Review	April 1973	

# SHORELINE MAPPING PROJECT

Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



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

56° 43' 07.5"	12812	12813	12814
56° 41' 15"		12815	12816
56° 39' 22.5"			12818
56° 37' 30"	12817		12818
56° 36' 00"		12819	12820

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

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12214

This 1:10,000 scale shoreline manuscript is one of 53 maps that comprise Project PH-6206, Keku Strait, Alaska. The project diagram indicates the location of T-12214 in the project.

There was no field work before compilation, except the identification of horizontal control for aerotriangulation. Compilation was by Wild B-8 methods with control based on a stereoplanigraph bridge using color photographs taken above half tide on August 24, 1969. Panchromatic photographs taken in July 1961 near low water were used to compile graphically the mean lower low water line, rocks and reefs. Stable transparent copies of the map manuscript, ozalids, and specially prepared photographs were furnished for transfer of shoreline to the boat sheet, location of photo-hydro signals and field edit.

Field edit was done in conjunction with hydrography in 1971. After application of field edit data to the map, it was scribed and reproduced on cronaflex.

Final review was done at the Atlantic Marine Center in April, 1973.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 7 minutes in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.



FIELD INSPECTION REPORT

Project PH-6206

T-12214

There was no field inspection prior to compilation.

Saturday \_\_\_\_\_ P.M.  
 \_\_\_\_\_ a.m. and \_\_\_\_\_ P.M.  
 Aerotriangulation Report \_\_\_\_\_ P.M.  
 PH-6206  
 Sunday \_\_\_\_\_ P.M.  
 Keku Strait, Alaska \_\_\_\_\_ P.M.

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

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

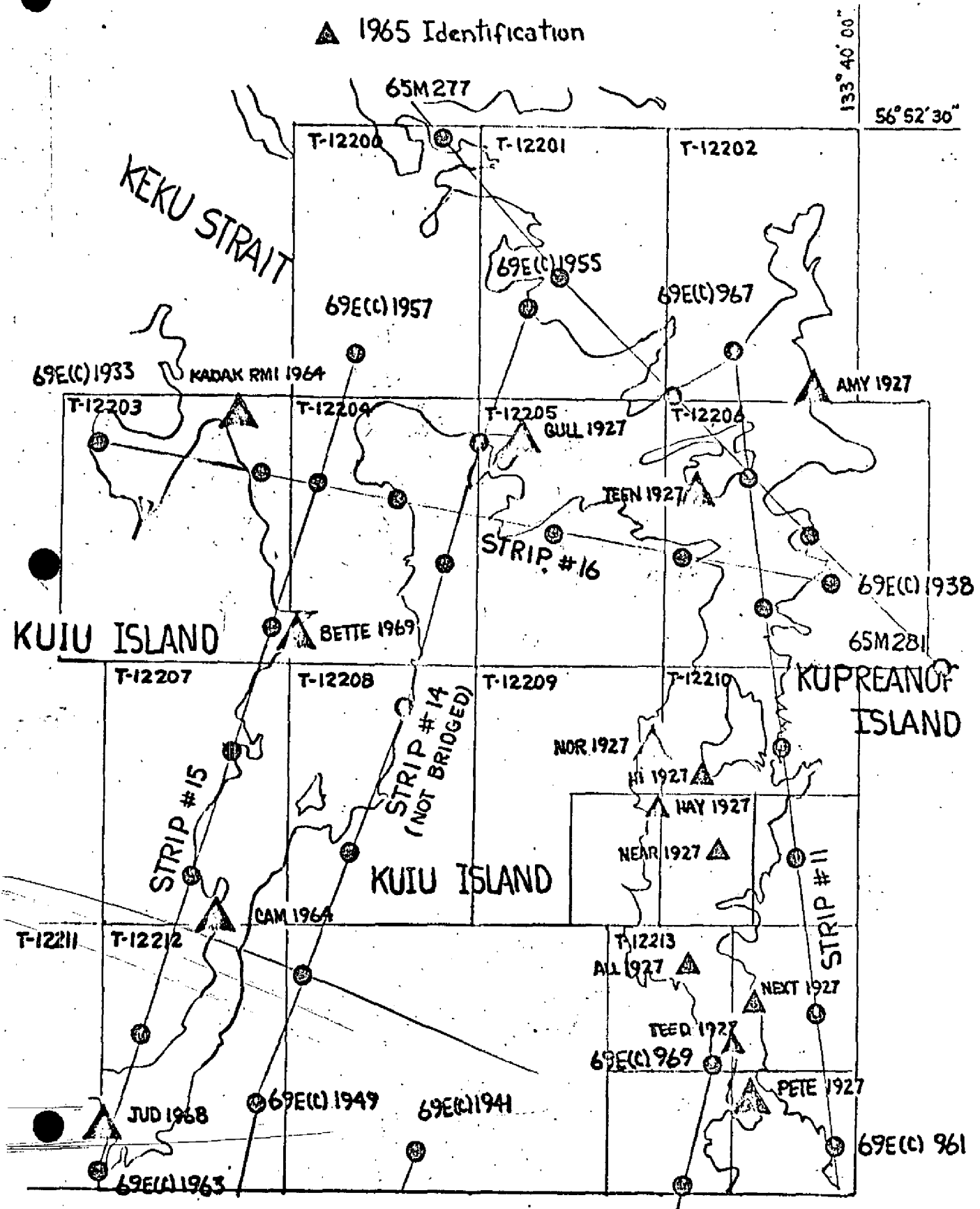
Saturday \_\_\_\_\_ at \_\_\_\_\_ a.m. and \_\_\_\_\_ p.m.  
\_\_\_\_\_ at \_\_\_\_\_ a.m. and \_\_\_\_\_ p.m.  
Sunday \_\_\_\_\_ at \_\_\_\_\_ a.m. and \_\_\_\_\_ p.m.  
\_\_\_\_\_ at \_\_\_\_\_ a.m. and \_\_\_\_\_ p.m.

# KEKU STRAIT ALASKA

PH 6206 FEB 1970

▲ 1969 Identification

▲ 1965 Identification



# KEKU STRAIT ALASKA

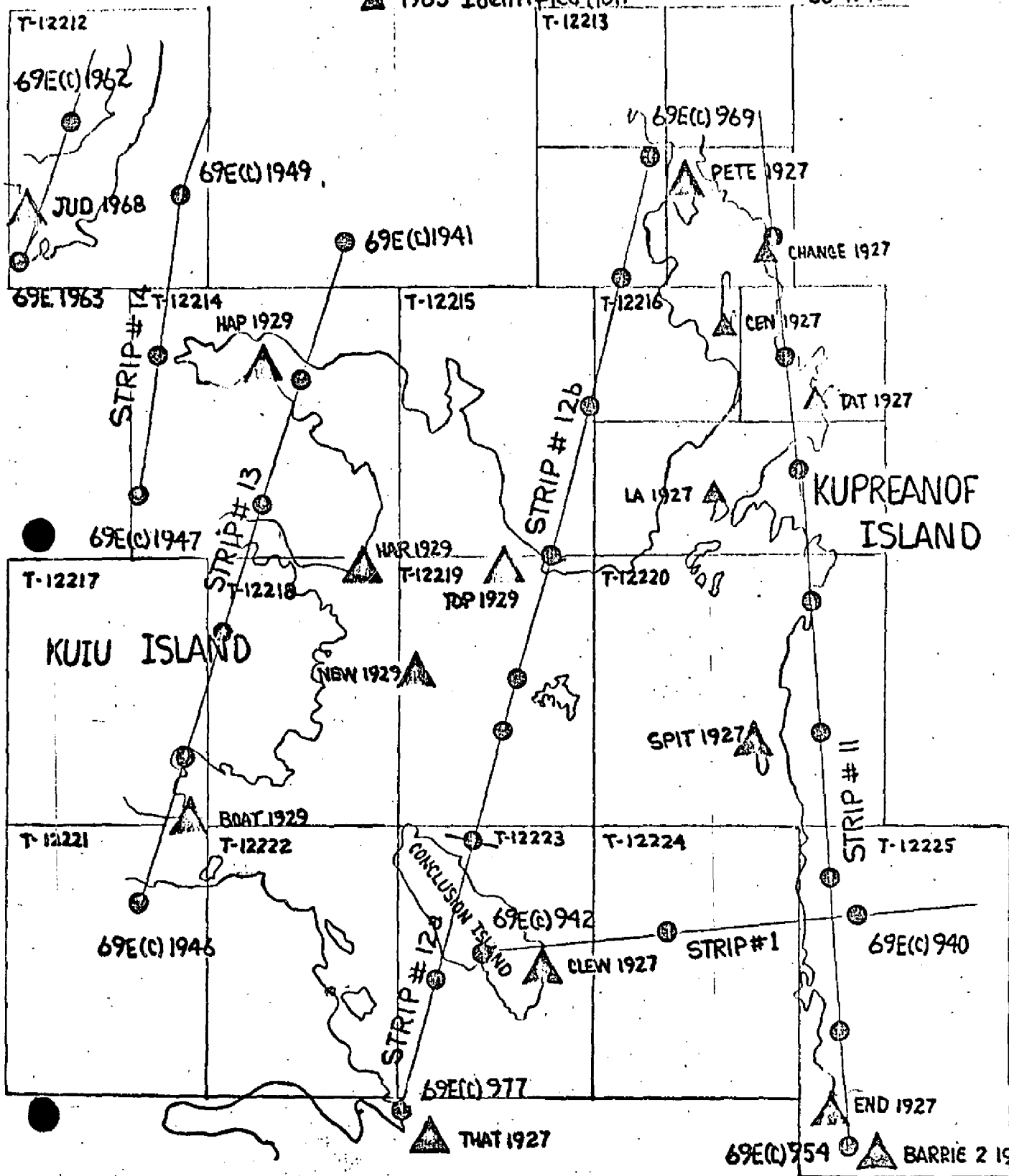
PH 6206

▲ 1969 Identification

▲ 1965 Identification

133° 40' 00"

56° 41' 15"



DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12214 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	DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter)	N.A. 1927 - DATUM FORWARD (BACK)
CAP, 1929	Horizontal Control Data Absc 56133 Pg. 5	NA 1927	56° 36' 35.296" 133° 52' 55.048"	1091.78 939.01	764.14 84.47
DAT, 1929	" " " " Page 7	"	56° 36' 14.270" 133° 52. 03.636"	441.40 62.03	1414.52 961.56
FOR, 1929	" " " " Page 11	"	56° 35' 47.989" 133° 52' 23.906"	1484.40 407.93	371.52 615.70
HAP, 1929	" " " " Page 13	"	56° 36' 24.225" 133° 53' 26.363"	749.33 620.32	1106.59 403.22
MILE, 1929	" " " " Page 20	"	56° 35' 08.484" 133° 51' 02.094"	262.43 35.74	1593.49 988.40
POW, 1929	" " " " Page 26	"	56° 36' 54.469" 133° 54' 36.206"	1684.84 617.53	171.08 405.83
SID, 1929	" " " " Page 30	"	56° 34' 20.870" 133° 50' 23.456"	645.55 400.49	1210.37 624.0
ARM, 1929	" " " " Page 2	"	56° 35' 50.360" 133° 50' 08.424"	1557.74 143.73	298.18 880.04

COMPUTED BY L.O. Meterer, Jr. DATE 7/13/70  
 CHECKED BY A.C. Rauck, Jr. DATE July 13, 1970  
 H N

## COMPILATION REPORT

T-12214

31. DELINEATION

The mean high water line and all details above it were compiled from the 1:40,000 scale color photography of August, 1969 using the Wild B-8 stereoplotter. All details below the mean high water line were compiled graphically from the 1:20,000 scale panchromatic photography of July, 1961.

There was no field inspection prior to compilation.

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and all alongshore area details were compiled from office interpretation of the photographs. See Item #31.

36. OFFSHORE DETAIL

All offshore details were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTION

Satisfactory junctions have been made with T-12212 to the North, T-12215 to the East and T-12217 & T-12218 to the South. There is no contemporary survey to the West.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41-45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle Petersburg (C-6), Alaska dated 1948, minor revision 1963, scale 1:63,360.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with USC&GS Chart 8201 11th Edition dated March 4, 1963, revised July 20, 1964, scale 1:217,828.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

*Lowell O. Neterer, Jr.*  
Lowell O. Neterer, Jr.  
Cartographic Technician  
Aug. 4, 1970



Approved for forwarding:



Melvin J. Umbach, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:



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

August 28, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206

T-12214

Kuiu Island

Salt Lagoon

Threemile Arm

Approved by:

A. J. Wright  
A. Joseph Wright  
Chief Geographer

Prepared by:

F. W. Pickett (by a/w.)  
Frank W. Pickett  
Cartographic Technician

T-12214

49. NOTES FOR THE HYDROGRAPHER

None

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE E55A COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T-12214			
1. PROJECTION AND GRIDS LLG	2. TITLE LLG	3. MANUSCRIPT NUMBERS LLG	4. MANUSCRIPT SIZE LLG
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LLG	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY ( <i>Topographic stations</i> ) XX	7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS LLG
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE LLG	13. LOW-WATER LINE LLG	14. ROCKS, SHOALS, ETC. LLG	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES LLG	19. OTHER ALONGSHORE CULTURAL FEATURES XX
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES LLG	21. NATURAL GROUND COVER LLG		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES LLG
<b>CULTURAL FEATURES</b>			
27. ROADS XX	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
<b>BOUNDARIES</b>			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES LLG		34. JUNCTIONS LLG	35. LEGIBILITY OF THE MANUSCRIPT LLG
36. DISCREPANCY OVERLAY LLG	37. DESCRIPTIVE REPORT LLG	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS LLG
40. REVIEWER L.L. Graves		SUPERVISOR, REVIEW SECTION OR UNIT Aug. 13, 1970	
41. REMARKS ( <i>See attached sheet</i> )			
<b>FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT</b>			
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 B. Wilson		SEPT. 15, 1971	
SUPERVISOR A.C. Rauck, Jr.		Reviewed By: L.O. Neterer, Jr. Sept. 17/71	
43. REMARKS Field Edit Applied From: One ozalid and Matte Ratio Photos, 61-W-(c)-9434, 61-W-(c)-9499, and 9500.			

## FIELD EDIT REPORT

SOUTH KEKU STRAIT

SOUTHEAST ALASKA

OPR - 448

APRIL 1971

INTRODUCTION

Field edit reports are attached for the following T-sheets:

T-12214	Mouth of Three Mile Arm
T-12215	Head of Three Mile Arm
T-12217	Keku Strait - No Name Bay
T-12218	Seclusion Harbor
T-12219	Monte Carlo Island
T-12221	No Name Bay
T-12222	Alvin Bay
T-12223	West End of Conclusion Island

Inspection for field edit of the shoreline, the foreshore and the offshore areas were performed in April and May 1971 by the NOAA Ship DAVIDSON's personnel with the assistance of Mr. Lowell O. Neterer Jr. from the photogrammetry branch of the Atlantic Marine Center in Norfolk.

Notes have been made on the field photographs and have been cross referenced on the field edit ozalids by photograph number. All times are on the 105° W Meridian. Reports for each individual sheet is enclosed.

Respectfully submitted,



Fidel T. Smith  
LCDR. NOAA

FIELD EDIT REPORT  
 MAP T-12214  
 KEKU STRAIT - HEAD OF THREE MILE ARM  
 SOUTHEAST ALASKA  
 APRIL 1971

The field edit of map T-12214 was done by Ens. Russel C. Arnold with the assistance of Lowell O. Neterer Jr. on April 29, 1971.

The inspection was done by carefully using the photographs while walking the beach and using a small boat to determine the accuracy of the map and to answer field edit questions.

METHOD

Field photographs and a copy of the field ozalid were taken into the field. The MHWL was visually inspected with particularly careful attention to the areas in question on the field edit ozalid and any changes are indicated on the field edit ozalid. Rocks, high points of ledges, ledge and fowl area which showed extremely well on the 61-W photographs were inspected throughly for completeness and accuracy and any changes which could not be indicated on the 61-W photographs were referred to the Boat Sheet DA-10-1-71. A copy of DA-10-1-71 will be forwarded to AMC when available. All times are on 105° W meridian. Notes are on the following photographs:

61-W-9434  
 61-W-~~9449~~ 9499  
 61-W-9500

ADEQUACY OF COMPILATION

The compilation of this map is very good. The hydrographic location of ledge and rocks compares well to the photogrammetric location of the same areas. The MHWL appears to be accurate in both shape and location. There are no aids to navigation, land marks or cultural detail on this map. The logging operations in this vicinity have ceased and the temporary buildings and floating docks have been removed. Field edit of this map is complete.

RECOMMENDATIONS

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

Respectfully submitted,

*Russell C. Arnold*  
 Russell C. Arnold  
 Ens. NOAA

*Lowell O. Neterer Jr.*  
 Lowell O. Neterer Jr.  
 Photogrammetrist

## APPROVAL SHEET

Field Edit

South Keku Strait

Southeast Alaska

OPR - 448

April 1971

The field work on this edit was accomplished  
under my supervision.



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

## REVIEW REPORT T-12214

## SHORELINE

April 6, 1973

61. GENERAL STATEMENT

See Summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

No registered topographic surveys were available for comparison. T-12214 supersedes all previous surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangle PETERSBURG (C-6), ALASKA, scale 1:63,360, dated 1948. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of the boat sheet for Survey H-9213. Significant differences between this survey and T-12214 are shown in purple on the comparison print. The mean lower low water line was left on T-12214 for what ever use it may be to the nautical chart compiler.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 8201, scale 1:217,828, 16th edition, dated November 7, 1970. The chart scale was too small for adequate comparison. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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


Reviewed by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer



Approved for forwarding:

  
Melvin J. Umbach, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

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

Approved:

Chief, Photogrammetric Branch    Chief, Coastal Mapping Division

133°55'00"

54'30"

133°54'00"

23

From Field Edit.

56°37'00"

POW. 1929

Gravel and boulders

From Inv. Mensc.

Mud

\* (2)

36'30"

61-W-9498

HAP. 1929

visible on 61 W 9498;  
not verified by F.E.

56°36'00"

COMPARISON PRINT

Purple = H-9213

T-12214

1:10,000

133°52'00"

24

CAP. 1929

\* (6)  
Gravel

Gravel

Gravel

61-W-9499

69-E(C)-1942

Lei does not connect.  
Photo 61 W 9499-9500

T  
H  
R  
E  
E  
M  
I  
L  
E

DAT. 1929

Shoal

61-W-9500

Awash MLLW

56°36'00"

FOR. 1929

Foul

Deleted by  
field editor

Gravel

COMPARISON PRINT

Purple = H-9213

covers 5 ft MLLW

T-12214  
1:10,000

2

D

133°51'00"

Gravel and boulders

Gravel

Gravel and boulders

Gravel and boulders

Not on H-9213;  
Info. from F.I.E. &  
Photo 9500-9501

y=1,745,000 FT.

36'30"

Awash MLLW

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°

36'00"

61-W-9501

Rk. on H-9213  
from Inc.  
than so; not  
prominent, not  
carried forward.

ARM. 1929

y=1,740,000 FT.

83(3)

133°50'00"

A  
R  
M

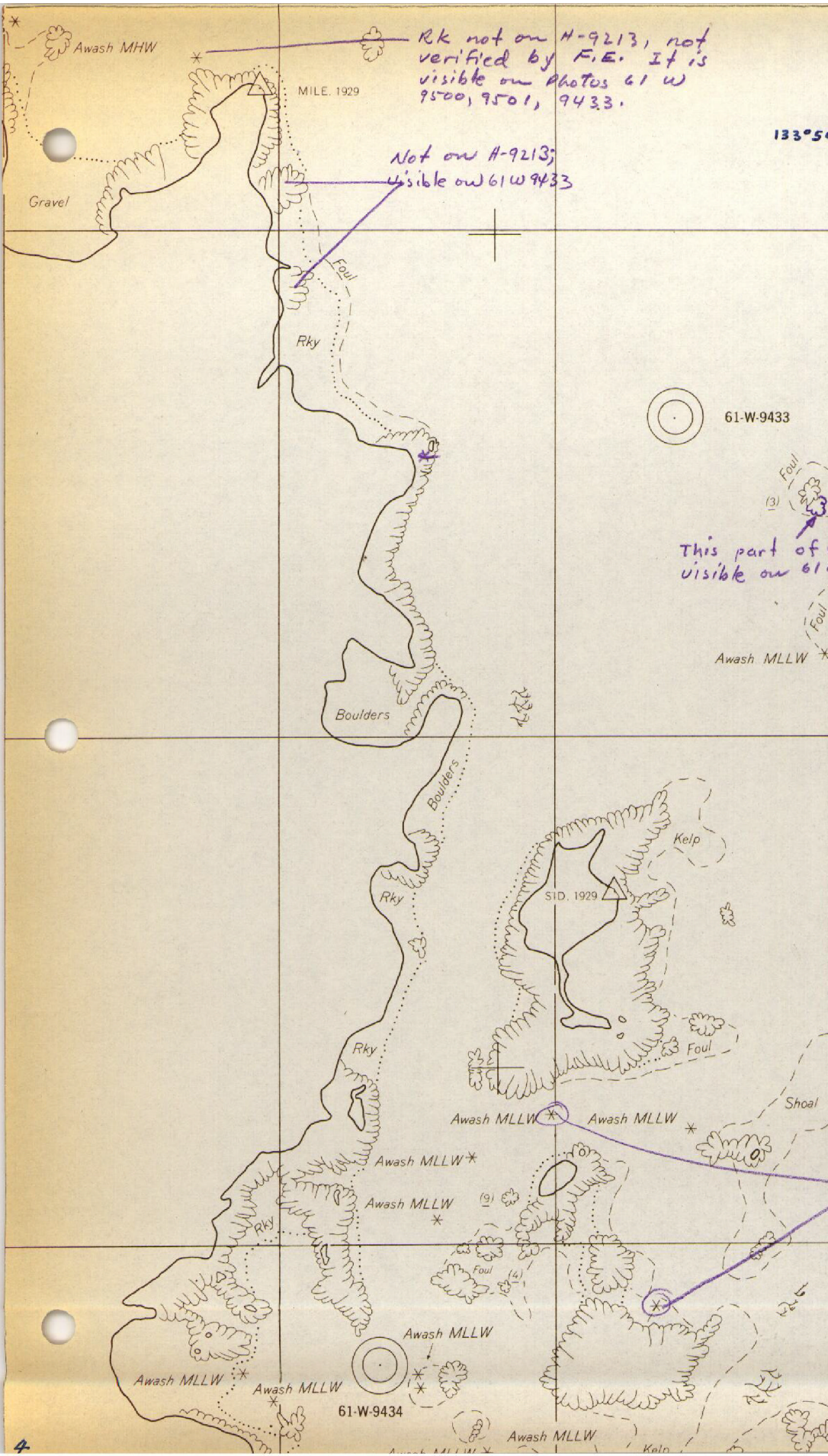
COMPARISON PRINT

Purple = H-9213

35'30"

T-12214

1:10,000



56°  
35'00"  
y=1,735,000 FT.

34'30"

y=1,730,000 FT.

34'00"

Not on H-9213;  
Elevations from  
Field Edit.

COMPARISON PRINT

Purple = H-9213

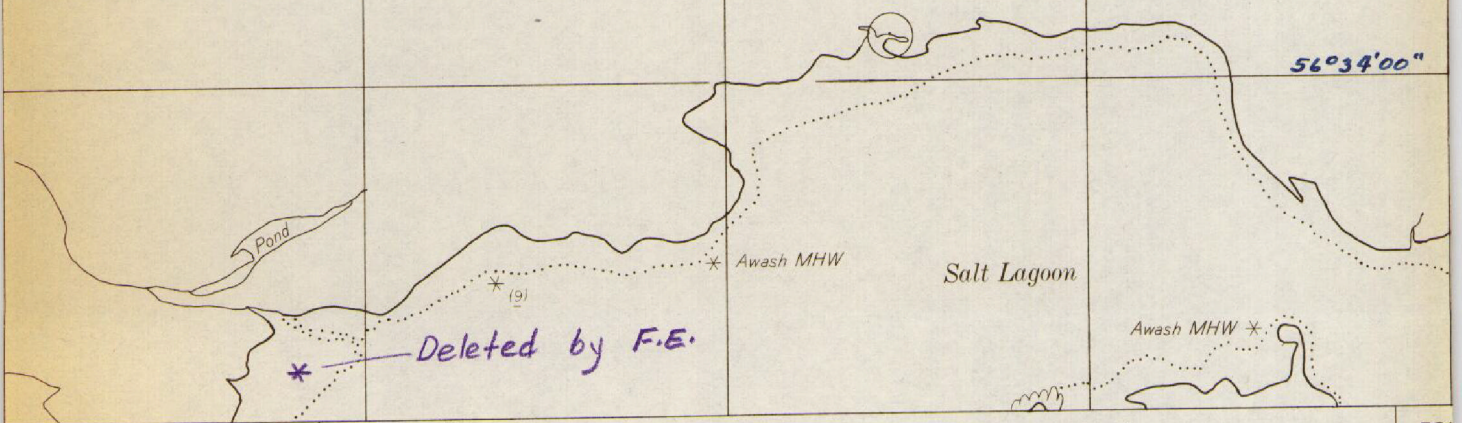
T-12214  
1:10,000

69-E(C)-1943

34'30"

COMPARISON PRINT

Purple = H-9213



56°34'00"

Deleted by F.E.

'30"      x=2,635,000 FT.      55'00"      54'30"      133° 54'00"      x=2,640,000 FT.      53'

NOTE: Unlabeled circles are photogrammetric plot points; not map features

T-12214  
1:10,000