

12215

12215

NOAA FORM 76-35 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY DESCRIPTIVE REPORT	
<i>Type of Survey</i> Shoreline	
<i>Job No.</i> ..PH-6206.....	<i>Map No.</i> ..T-12215...
<i>Classification No.</i> Field Edited	<i>Edition No.</i>
LOCALITY	
<i>State</i> ..Alaska.....	
<i>General Locality</i> ..Keku Strait.....	
<i>Locality</i> ..Threemile Arm, Mouth Of.....	
<hr/> 1961 TO 1971	
Alfred C. Holmes, Director, AMC	
REGISTRY IN ARCHIVES	
DATE	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD
T 12215

OBJECT 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, Director, AMC
INSTRUCTIONS DATED (III) (III): OFFICE SUPPLEMENT III December 19, 1967 OFFICE " IV April 14, 1970 FIELD INSTRUCTIONS 1 February 11, 1969 OFFICE INSTRUCTIONS - January 18, 1965		
METHOD OF COMPILATION (III): Wild B-8 Stereo Plotter		
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 LOW WATER HIGH WATER MEAN LOW WATER 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 mean lower low water	
REFERENCE STATION (III): FAD, 1929		
LAT.: 56°34'20.447" (632.47)M	LONG.: 133°47'39.052" (666.81)M	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 1,739,460.79 Ft. x = 2,659,929.65 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-12215

FIELD INSPECTION BY (III): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation		
PROJECTION AND GRIDS RULED BY (IV): J. Dempsey - Coradomat		DATE April 10, 1970
PROJECTION AND GRIDS CHECKED BY (IV): E. Homick		DATE April 10, 1970
CONTROL PLOTTED BY (III): Aerotriangulation - Coradomat Triangulation - L. O. Neterer, Jr.		DATE June 11, 1970 July 24, 1970
CONTROL CHECKED BY (III): Aerotriangulation - Coradomat Triangulation - L. Graves		DATE June 11, 1970 July 24, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Robert Fisher		DATE Feb. 19, 1970
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: L.O. Neterer Reviewed By: A.L. Shands	DATE July 8, 1970 July 8, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): L.L. Neterer, Jr.		DATE July 17, 1970
SCRIBING BY (III): R.R. White F.P. Margiotta		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: B. Wilson		DATE Aug. 7, 1970
REMARKS: Field Edit By- LTJG Russell C. Arnold and Photogrammetrist Lowell O. Neterer, Jr. DATE: April 29, 1971		

DESCRIPTIVE REPORT - DATA RECORD
T-12215

MERA (KIND OR SOURCE) (III):

Wild RC-8 "E"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69-E-(c)-971 & 972	Aug. 5, 69	12:15	1:40,000	4.3 ft. above MLLW
61-W-(p)-9515 thru 9517	July 16, 61	10:25	1:20,000	0.2 ft. below MLLW

Predicted TIDE (III)

Diurnal

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

Atlantic Marine Center
Washington, D.C. 20540
Charles H. Bishop
DATE: April 1973

PROOF EDIT BY (IV):
DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 3
RECOVERED: 3
IDENTIFIED: 0

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-12215

COMPILATION RECORD COMPLETION DATE REMARKS

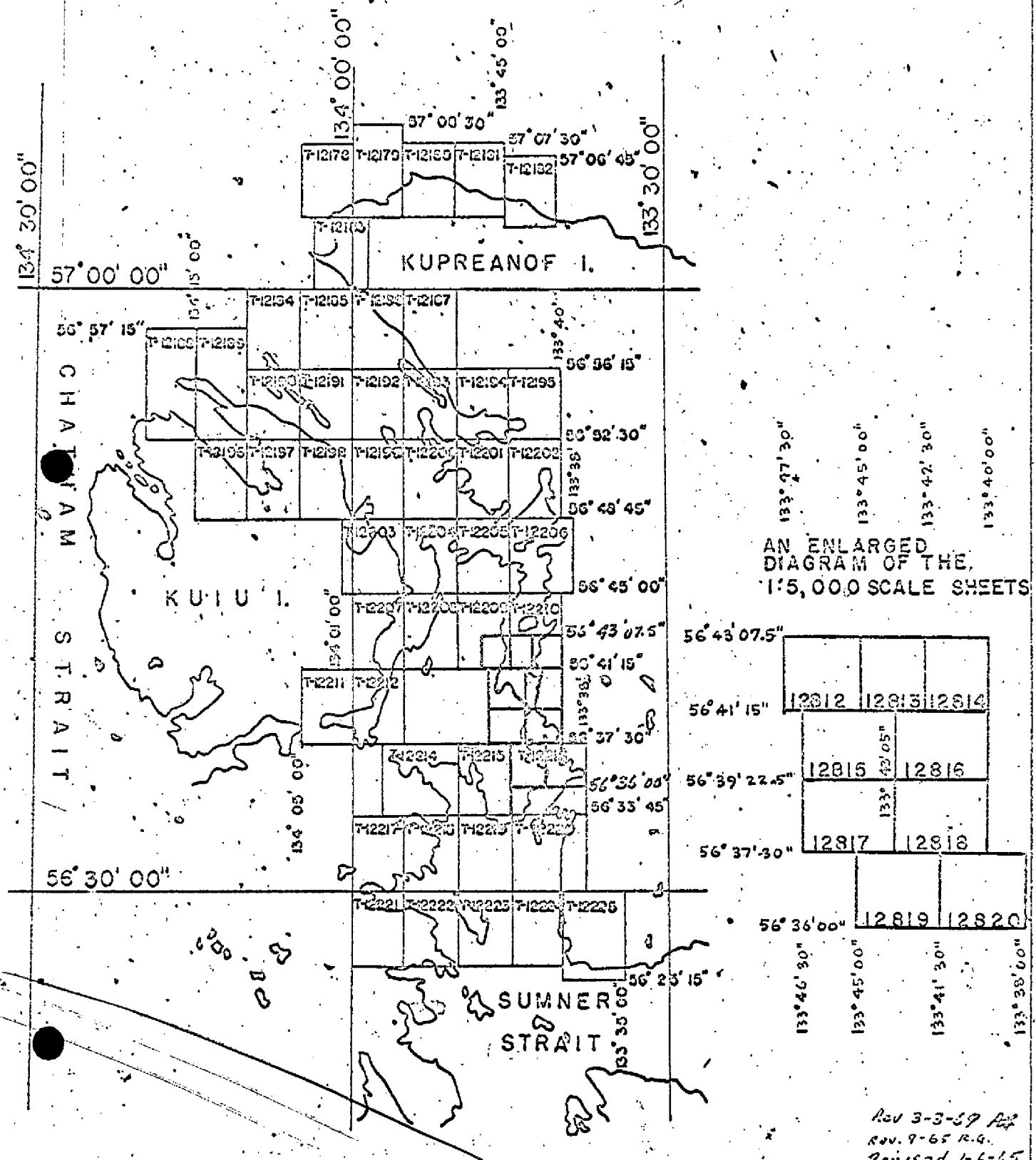
Compilation Complete Pending Field Edit	July 1970	Superseded
Field Edit Applied	Sept, 1971	Superseded
Final Review	April 1973	

SHORELINE MAPPING PROJECT

Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12215

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-12215 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 in August 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 5 minutes in longitude.

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

FIELD INSPECTION REPORT

T-12215

JOB PH-6206

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.

Sunday

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)

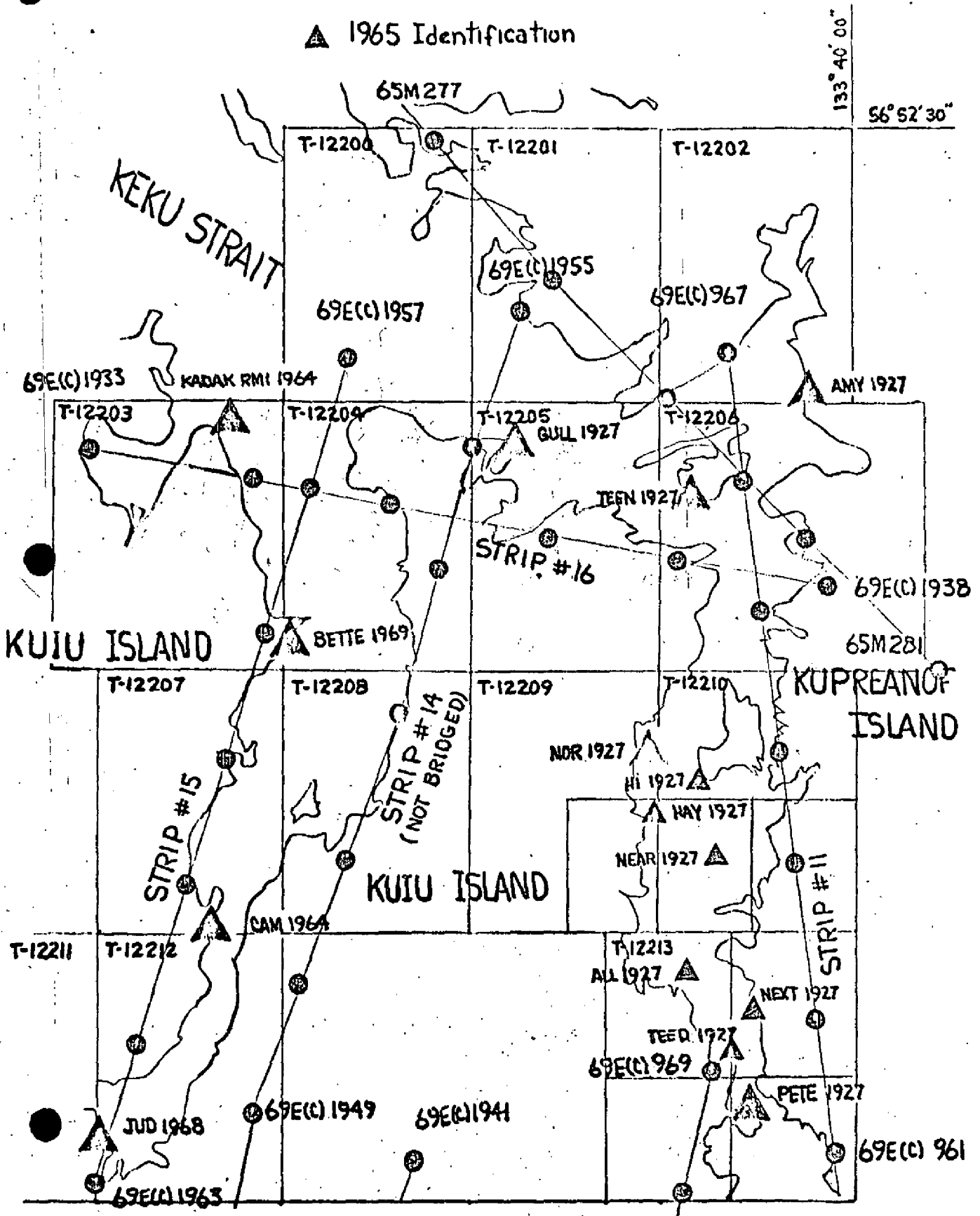
Approved and forwarded,
Henry P. Eichert
Henry P. Eichert
Chief, Aerotriangulation
Section

KEKU STRAIT ALASKA

PH 6206 FEB 1970

▲ 1969 Identification

▲ 1965 Identification



KEKU STRAIT ALASKA

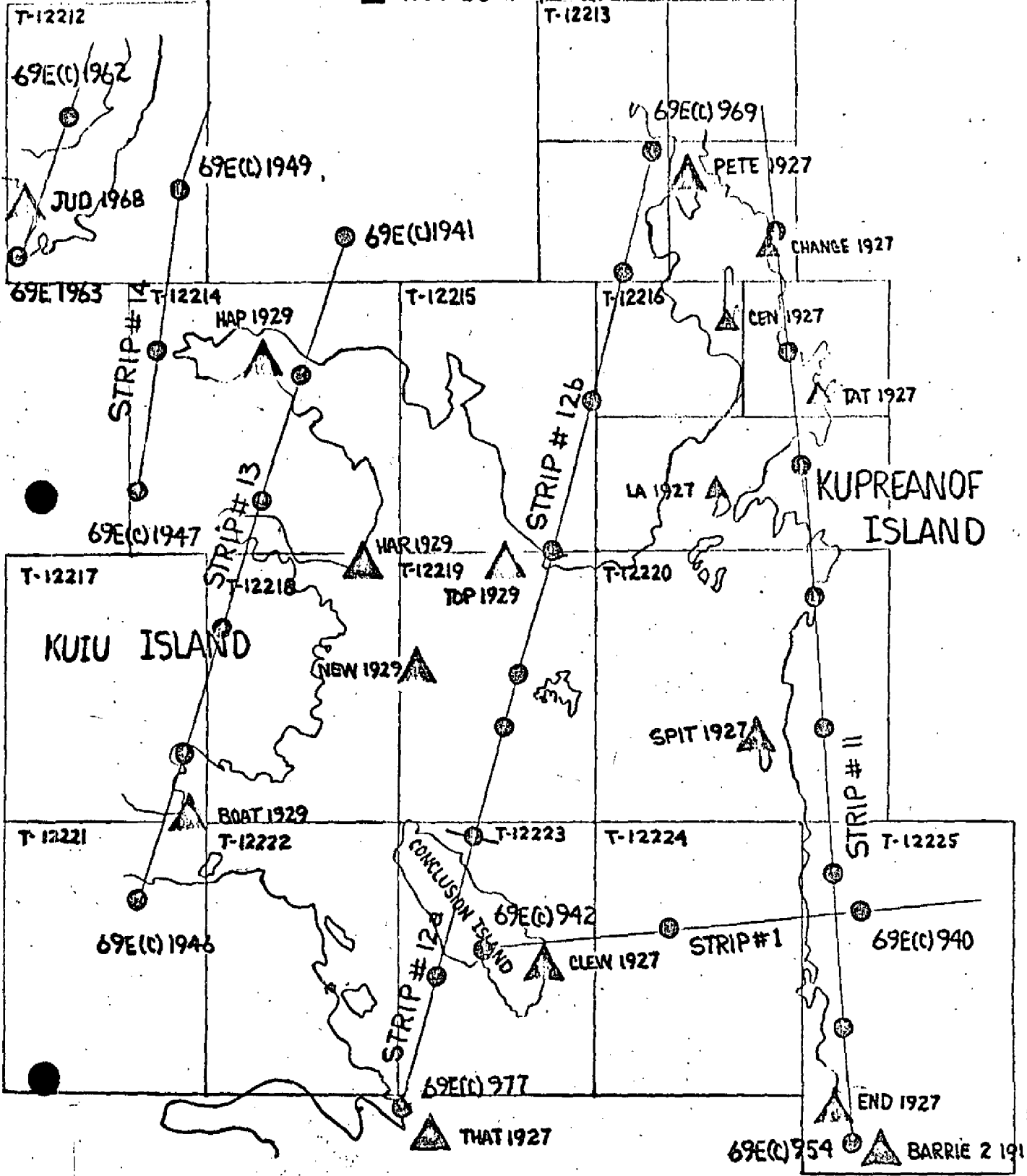
PH 6206

▲ 1969 Identification

▲ 1965 Identification

133° 40' 00"

56° 41' 15"



DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12215 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) FORWARD (BACK)	N.A. 1927 - DATUM
	Horizontal Control Data Alaska 56133	NA 1927			
FAD, 1929	" "	"	56° 34' 20.447"	632.47	1223.45
LAR, 1929	" Page 10	"	133° 47' 39.052"	666.81	357.69
	" Page 17	"	56° 35' 00.890"	27.52	1828.39
NIP, 1929	" Page 22	"	133° 48' 18.996"	324.26	699.93
	" "	"	56° 35' 28.110"	859.50	986.42
	" "	"	133° 49' 23.307"	397.76	626.20

COMPUTED BY L.O. Neterer, Jr. DATE 7/13/1970
 CHECKED BY A.C. Rauck, Jr. DATE July 13, 1970

COMPILATION REPORT

KEKU STRAIT PH-6206

T-12215

31. DELINEATION

The Wild B-8 Plotter was used to delineate the MHW Line. The MLLW Line was delineated graphically. Photographic coverage was adequate.

32. CONTROL

See Aerotriangulation Report dated Feb. 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 shoreline and alongshore detail was delineated from office interpretation of the photographs. The MLLW line was compiled graphically using 61-W photographs which were taken at 0.2 feet below MLLW, predicted tide. There was no field inspection.

36. OFFSHORE DETAILS

The offshore details were delineated by office interpretation of the 61-W- photographs.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions were made with T-12216 to the east; T-12219 to the south, and T-12214 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41-45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS Quadrangle PETERSBURG (C-6) ALASKA, Scale 1:63,360, dated 1948, revised 1963.

47. COMPARISON WITH NAUTICAL CHARTS

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

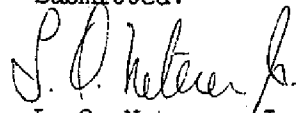
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD


None

Submitted:




L. O. Neterer, Jr.
Cartographic Technician
July 29, 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-12215

Kuiu Island

Threemile Arm

Approved by:

A. J. Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

F. W. Pickett (by A. J. W.)
Frank W. Pickett
Cartographic Technician

PHOTOGRAMMETRIC OFFICE REVIEW

T-12215

1. PROJECTION AND GRIDS B.W.	2. TITLE B.W.	3. MANUSCRIPT NUMBERS B.W.	4. MANUSCRIPT SIZE B.W.
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY B.W.	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX	7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT B.W.	11. DETAIL POINTS B.W.
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE B.W.	13. LOW-WATER LINE B.W.	14. ROCKS, SHOALS, ETC. B.W.	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES B.W.	19. OTHER ALONGSHORE CULTURAL FEATURES B.W.
PHYSICAL FEATURES			
20. WATER FEATURES B.W.	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 B.W.
CULTURAL FEATURES			
27. ROADS XX	28. BUILDINGS B.W.	29. RAILROADS XX	30. OTHER CULTURAL FEATURES B.W.
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES B.W.	34. JUNCTIONS B.W.		35. LEGIBILITY OF THE MANUSCRIPT B.W.
36. DISCREPANCY OVERLAY B.W.	37. DESCRIPTIVE REPORT B.W.	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS B.W.
40. REVIEWER B. Wilson		8/7/1970	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 Lowell O. Neterer, Jr. Sept. 10/71 SUPERVISOR			
Reviewed By: T. Bulfer Sept. 20/71			
43. REMARKS Field Edit Applied From: Field Edit Ozalid and Photographs, 61-W-9434 and 61-W-9502.			

FIELD EDIT REPORT

SOUTH KEKU STRAIT

SOUTHEAST ALASKA

CPR - 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 C. 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-12215
 KEKU STRAIT - MOUTH OF THREE MILE ARM
 SOUTHEAST ALASKA
 APRIL 1971

The field edit of map T-12215 was done by Ens. Russell 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-9502

ADEQUACY OF COMPILATION

The compilation of this map is very good. The hydrographic location of ledge and rocks compares well with 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-12215

SHORELINE

April 10, 1973

61. GENERAL STATEMENT

See Summary which is page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

No registered topographic surveys were available for comparison, T-12215 supersedes all previous surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS 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-12215 are shown in purple on the comparison print. The mean lower low water line was in fair agreement and was left on the manuscript for whatever 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

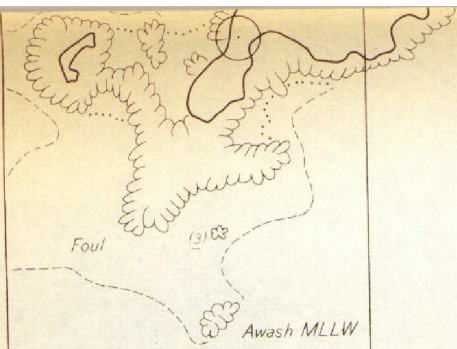
Approved:


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

Approved:

Chief, Photogrammetric Branch Chief, Coastal Mapping Division

M I L L E



34'30"

y=1,730,000 FT.

Covers 2 ft MLLW

Slope



COMPARISON PRINT

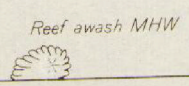
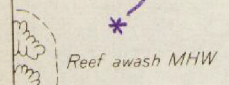
Purple = H-9213

34'00"

Not visible on
any photograph
of the area

NOTE:

"The photogrammetric location and distance offshore from the mean high-water may not be complete or final. The reviewed hydrographic survey of the area should be consulted for the final data."



56°33'45"

133°50'00"

49'30"

x=2,655,000 FT.

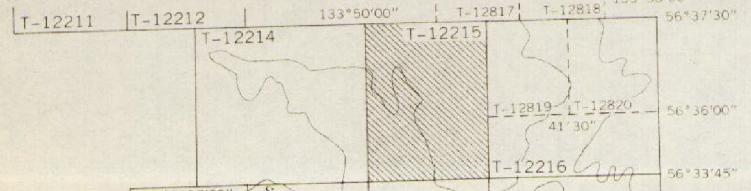
49'00"

48'30"

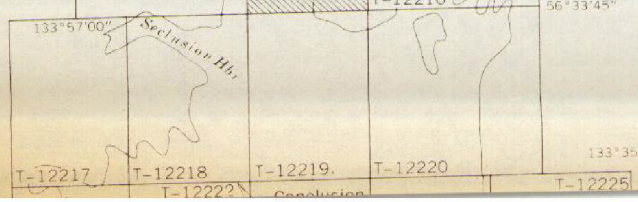
INDEX TO ADJOINING SHEETS JOB PH-6206

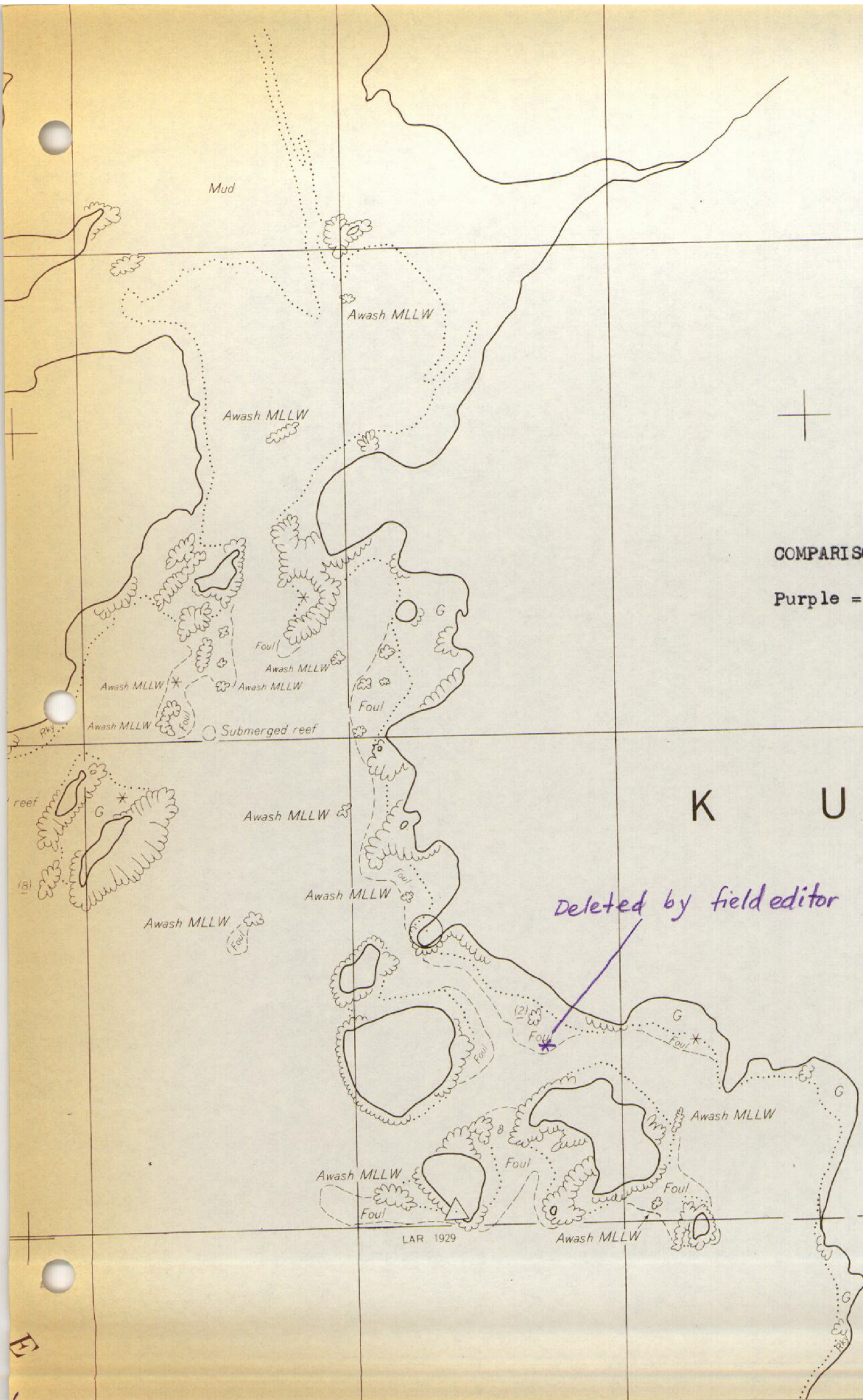
134°05'00" 134°00'00" 133°55'00" 133°46'30" 133°43'05" 133°40'00"

133°50'00" T-12217 T-12218 133°38'00"



T-12215
1:10,000





COMPARISON PRINT

Purple = H-9213

K U I

Deleted by field editor

LAR 1929

T-12215
1:10,000

E