ORIGINAL

12220

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

# DESCRIPTIVE REPORT

*Type of Survey* Shoreline (Photogrammetric)

*Job No.* PH-6206 *Map No.* T-12220

*Classification No.* Field Edited *Edition No.*

## LOCALITY

*State* Alaska

*General Locality* Keku Strait

*Locality* Skiff Island

1981 TO 1970

Alfred C. Holmes, Director, AMC

## REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-760-593

12220

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR

TO REGISTRATION

FORM C&GS-181a
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

1

# DESCRIPTIVE REPORT - DATA RECORD

T-12220

PROJECT NO. (II):

PH-6206

| FIELD OFFICE (II): | CHIEF OF PARTY |
|---|---|
| None | |
| **PHOTOGRAMMETRIC OFFICE (III):** | **OFFICER-IN-CHARGE** |
| Atlantic Marine Center, Norfolk, VA | Alfred C. Holmes, Director, AMC |

INSTRUCTIONS DATED (II) (III):

OFFICE SUPPLEMENT III December 19, 1967
OFFICE " IV April 14, 1970

METHOD OF COMPILATION (III):

Wild B-8 Stereo Plotter

| MANUSCRIPT SCALE (III): | STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): |
|---|---|
| 1:10,000 | 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): | VERTICAL DATUM (III): |
|---|---|
| N.A. 1927 | HIGH WATER ~~MEAN SEA LEVEL~~ EXCEPT AS FOLLOWS:<br>*Elevations shown as (25) refer to mean high water*<br>*Elevations shown as (5) refer to sounding datum*<br>*i.e., ~~mean low water~~ or mean lower low water* |

REFERENCE STATION (III):

Spit 1927

| LAT.: | LONG.: | |
|---|---|---|
| 56°31'10.137" (313.5M) | 133°41'06.677 (114.2M) | [X] ADJUSTED<br>[ ] UNADJUSTED |

| PLANE COORDINATES (IV): | STATE | ZONE |
|---|---|---|
| Y = 1,711,661.40 Ft. X = 2,681,903.67 Ft. | Alaska | 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.

USCOMM-DC 36393A-P66

FORM C&GS-181b
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

2

# DESCRIPTIVE REPORT - DATA RECORD

T-12220

| | |
|---|---|
| FIELD INSPECTION BY (II): 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 - Coradomat | DATE April 10, 1970 |
| CONTROL PLOTTED BY (III): Aerotriangulation - Coradomat<br>Triangulation - F. P. Margiotta | DATE June 4, 1970<br>July 7, 1970 |
| CONTROL CHECKED BY (III): Aerotriangulation - Coradomat<br>Triangulation - B. Wilson | DATE June 4, 1970<br>July 7, 1970 |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Robert E. Fisher | DATE Feb. 19, 1970 |
| STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY By: L.O. Neterer, Jr.<br>Reviewed By: A.C. Rauck, Jr. | DATE June 29, 1970<br>June 29, 1970 |
| CONTOURS: Inapplicable | DATE |
| MANUSCRIPT DELINEATED BY (III): F.P. Margiotta | DATE July 22, 1970 |
| SCRIBING BY (III): R.R. White | DATE Jan. 13, 1972 |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: L.L. Graves | DATE August 3, 1970 |
| REMARKS: Field Edit By: LCDR. F.T. Smith | DATE: June-Oct. 1970 |

USCOMM-DC 36393B-P66

FORM C&GS-181c
(3-65)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

# DESCRIPTIVE REPORT - DATA RECORD

T-12220

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "E" & W

PHOTOGRAPHS (III)

| NUMBER | DATE | TIME | SCALE | STAGE OF TIDE |
|---|---|---|---|---|
| 69-E-(c)-957 | Aug. 5, 1969 | 12:02 | 1:40,000 | 4.5 ft. above MLLW |
| 69-E-(c)-958 | " | " | " | " |
| *61-W-9537 thru 61-W-9540 | July 16, 1961 | 10:33 | 1:20,000 | 0.0 |
| *61-W-9631 thru 9634 | " | 11:32 | " | 1.1 " |

Predicted TIDE (III) Diurnal

| | RATIO OF RANGES | MEAN RANGE | ~~SPRING RANGE~~ |
|---|---|---|---|
| REFERENCE STATION: Ketchikan, Alaska | | 13.0 | 15.4 |
| SUBORDINATE STATION: Monte Carlo Island | | 10.3 | 12.5 |
| SUBORDINATE STATION: | | | |

Atlantic Marine Center
~~WASHINGTON OFFICE REVIEW BY (V)~~: C.H. Bishop — DATE: April 1973

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): — RECOVERED: — IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II): None — RECOVERED: None — IDENTIFIED None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

*Centers not on manuscript, used only for MLLW line and ledges.

T-12220

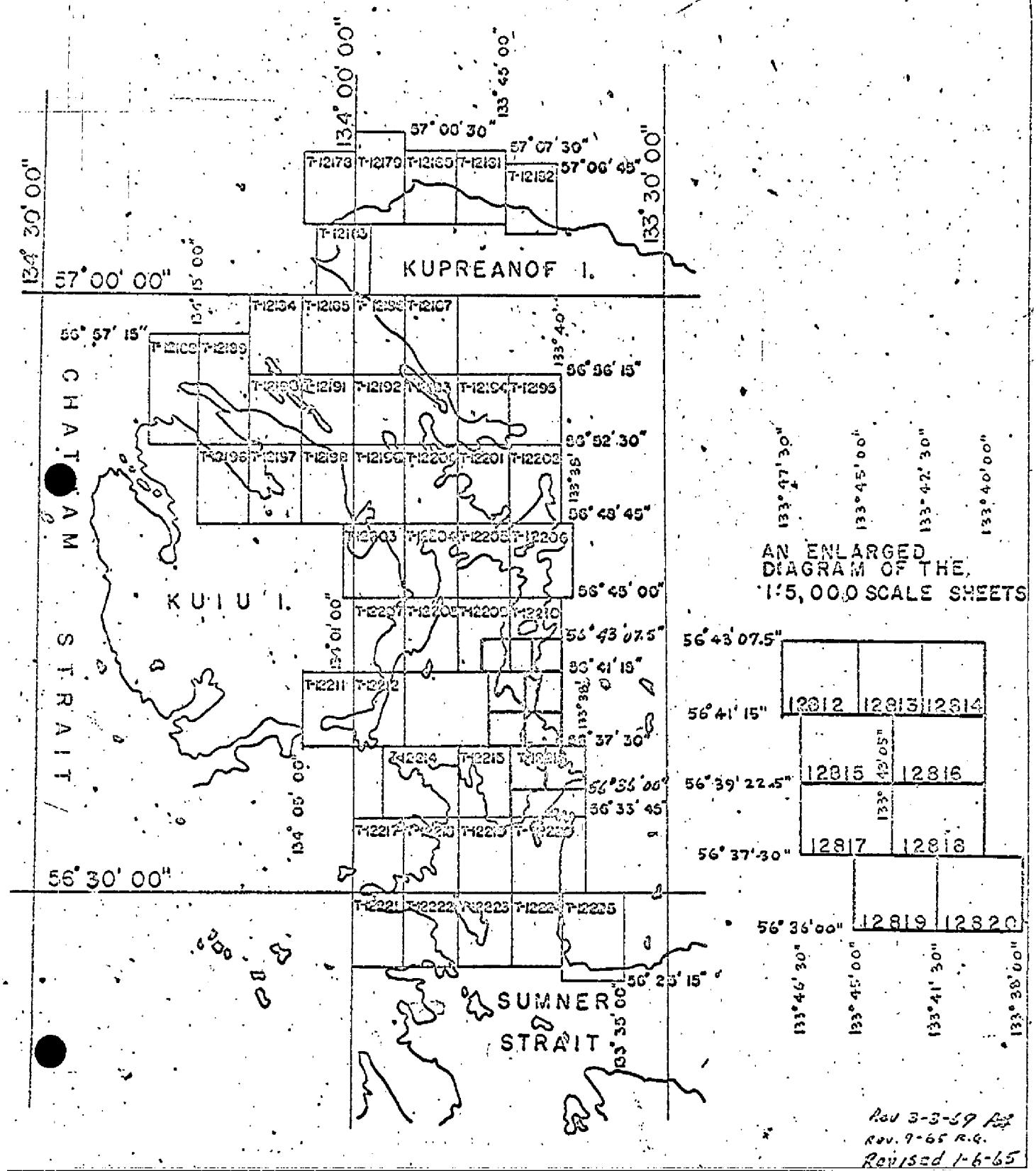
| COMPILATION RECORD | COMPLETION DATE | REMARKS |
|---|---|---|
| Compilation Complete Pending Field Edit | July 1970 | Superseded |
| Field Edit Applied | July 1971 | Superseded |
| Final Review | April 1973 | |
| | | |
| | | |

# SHORELINE MAPPING PROJECT

Ph-6206

## KEKU STRAITS, ALASKA

SCALE 1:10,000




Rev 3-3-69 AP
Rev. 9-65 R.G.
Revised 1-6-65

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12220

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-12220 in the project.

There was no field work before compilation, except the identification of horizontal control for aerotriangulation. Compilation was by Wild B-8 plotter 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 1970. 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-12220

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. _____ a.m. and _____ p.m.

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 D. Reeves Jr. for

Robert E. Fisher
Cartographer (Photo)

Approved and forwarded,

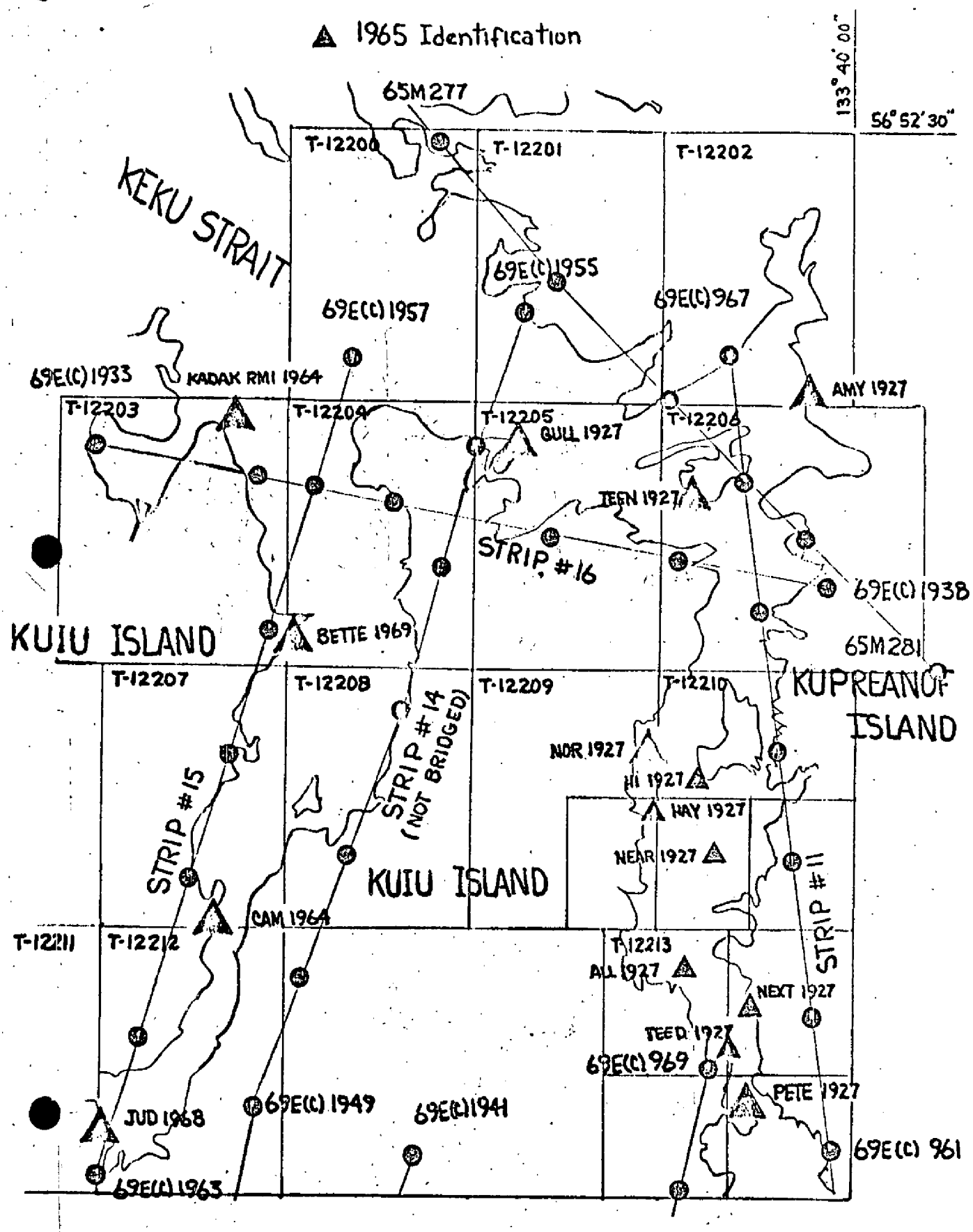
Henry P. Eichert
Chief, Aerotriangulation
Section

# KEKU STRAIT ALASKA

PH 6206 FEB 1970

▲ 1969 Identification

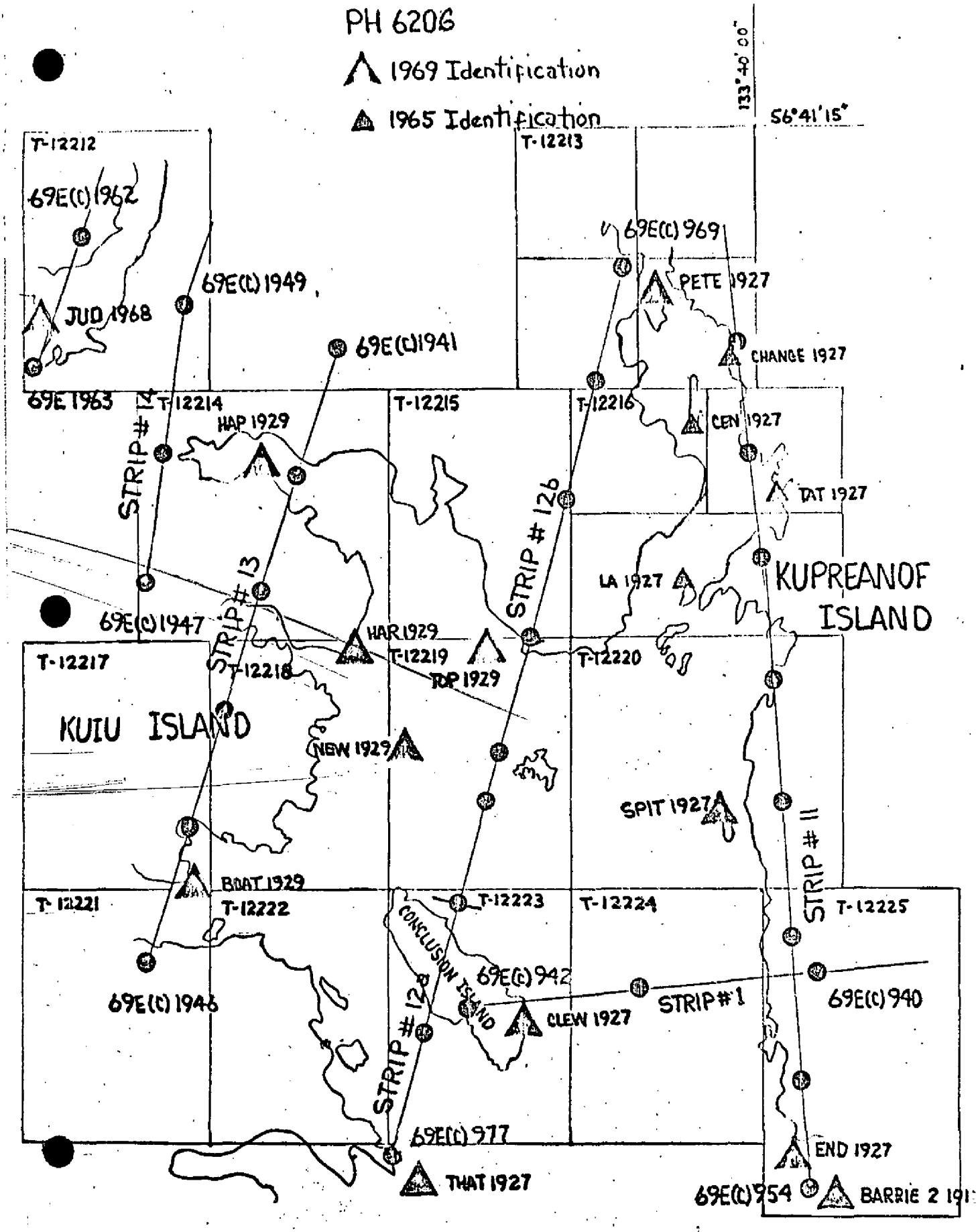
▲ 1965 Identification



# KEKU STRAIT ALASKA
PH 6206

▲ 1969 Identification

▲ 1965 Identification



FORM C&GS-164
(4-68)
USCOMM-DC
50318-P68

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

# DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12220 PROJECT NO. PH-6206 SCALE OF MAP 1:10,000 SCALE FACTOR None

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR Y COORDINATE<br>LONGITUDE OR X COORDINATE | N.A. 1927 - DATUM<br>DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter)<br>FORWARD | (BACK) |
|---|---|---|---|---|---|
| GAR, 1927 | G.P. Vol. 2<br>Page 367 | N.A. 1927 | 56°32' 39.675"<br>133°40' 14.328" | 1227.2<br>244.8 | (628.7)<br>(780.4) |
| MIKE, 1927 | G.P. Vol. 2<br>Page 367 | " | 56°31 57.368"<br>133041 05.899" | 1774.4<br>100.8 | (81.5)<br>(924.7) |
| NAR, 1927 | G.P. Vol. 2<br>Page 362 | " | 56°33' 40.909"<br>133°42' 55.065" | 1265.4<br>940.5 | (590.5)<br>(84.2) |
| SPIT, 1927 | G.P. Vol. 2<br>Page 362 | " | 56°31' 10.137"<br>133°41' 06.677" | 313.5<br>114.2 | (1542.4)<br>(911.8) |

COMPUTED BY L.O. Neteren, Jr. DATE 7/2/70 CHECKED BY B.L. Barge DATE 7/2/70

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COMPILATION REPORT

PH-6206

T-12220

31. DELINEATION

Delineation was by the B-8 plotter. There was no field inspection prior to compilation. Photographic coverage was adequate.

Ratios from 69E color photography were lacking in quality;blemishes and other imperfections confused the detail of the prints.

Photograph ratios from 1961 panchromatic photography was used to delineate ledge, foul and reef areas in addition to the MLLW line. Their clarity was excellent, however there was a large difference of scale between the ratio photographs and the manuscript.

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 1969 E color photography.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated from office interpretation of the 1969 E color photography.

The MLLW Line, ledge, reef and foul areas were delineated from office interpretation of the 1961 panchromatic photography.

36. OFFSHORE DETAILS

Many small islands, reefs and foul areas were delineated from both 69E color and 1961 panchromatic photography. Many areas were questionable. The areas in question were applied to the FIELD EDIT OZALID for field investigation.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions were made with T-12224 and T-12225 to the south, T-12219 to the west and T-12216 to the north. There is no contemporary survey to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41-45 Not used.

46. COMPARISON WITH EXISTING MAPS

Comparisons were made with USGS Quadrangles, PETERSBURG (C-5), Alaska, dated 1951 with minor revisions in 1965, scale 1:63,360 and PETERSBURG (C-6), Alaska, dated 1948 with minor revisions in 1963, scale 1:63,360.

Also a comparison was made with Registered Survey No. 4330, dated October 15, 1927, scale 1:20,000.

47. COMPARISON WITH NAUTICAL CHARTS

Comparisons have been made with Charts 8272, (KEKU STRAIT), dated October 17, 1966, 3rd Edition, scale 1:20,000 and 8201 scale 1:217,828 and dated November 15, 1969 (corrected through Notice To Mariners 46/69) scale 1:217,828.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Charles H. Bishop
for L. L. Graves
Cartographic Technician
August 4, 1970

Approved and forwarded:

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-12220

Keku Strait

Kuiu Island

Kupreanof Island

Skiff Island

Approved by:

A. J. Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

F. W. Pickett (by a.j.w.)

Frank W. Pickett
Cartographic Technician

FORM C&GS-1002 (9-66)

U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

# PHOTOGRAMMETRIC OFFICE REVIEW

T-12220

| 1. PROJECTION AND GRIDS | 2. TITLE | 3. MANUSCRIPT NUMBERS | 4. MANUSCRIPT SIZE |
|---|---|---|---|
| LLG | LLG | LLG | LLG |

**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 |
|---|---|---|
| LLG | XX | XX |

| 8. BENCH MARKS | 9. PLOTTING OF SEXTANT FIXES | 10. PHOTOGRAMMETRIC PLOT REPORT | 11. DETAIL POINTS |
|---|---|---|---|
| XX | XX | Rockville Science Center | LLG |

**ALONGSHORE AREAS** *(Nautical Chart Data)*

| 12. SHORELINE | 13. LOW-WATER LINE | 14. ROCKS, SHOALS, ETC. | 15. BRIDGES |
|---|---|---|---|
| LLG | LLG | LLG | XX |

| 16. AIDS TO NAVIGATION | 17. LANDMARKS | 18. OTHER ALONGSHORE PHYSICAL FEATURES | 19. OTHER ALONGSHORE CULTURAL FEATURES |
|---|---|---|---|
| XX | XX | LLG | LLG |

**PHYSICAL FEATURES**

| 20. WATER FEATURES | 21. NATURAL GROUND COVER | 22. PLANETABLE CONTOURS |
|---|---|---|
| LLG | LLG | XX |

| 23. STEREOSCOPIC INSTRUMENT CONTOURS | 24. CONTOURS IN GENERAL | 25. SPOT ELEVATIONS | 26. OTHER PHYSICAL FEATURES |
|---|---|---|---|
| XX | XX | XX | LLG |

**CULTURAL FEATURES**

| 27. ROADS | 28. BUILDINGS | 29. RAILROADS | 30. OTHER CULTURAL FEATURES |
|---|---|---|---|
| XX | LLG | XX | XX |

**BOUNDARIES**

| 31. BOUNDARY LINES | 32. PUBLIC LAND LINES |
|---|---|
| XX | XX |

**MISCELLANEOUS**

| 33. GEOGRAPHIC NAMES | 34. JUNCTIONS | 35. LEGIBILITY OF THE MANUSCRIPT |
|---|---|---|
| | LLG | LLG |

| 36. DISCREPANCY OVERLAY | 37. DESCRIPTIVE REPORT | 38. FIELD INSPECTION PHOTOGRAPHS | 39. FORMS |
|---|---|---|---|
| LLG | | XX | |

| 40. REVIEWER | SUPERVISOR, REVIEW SECTION OR UNIT |
|---|---|
| L.L. Graves 8/4/70 | 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 | SUPERVISOR |
|---|---|
| Frank P. Margiotta 7/21/71<br>Reviewed By: C.E. Blood 7/30/71 | |

43. REMARKS

Field Edit Applied From: Field Edit Ozalids T-12219-T-12220, Field Edit Photographs 69-E-957 & 69-E-958. Because of their clearness and stage of tide 61-W-9537 thru 9540 and 61-W-9633 were used to aid in applying the field edit.

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 T-12220
Southeast Alaska
Keku Strait-Skiff Island

The field edit was performed by LCdr. F.T. Smith. Field work was performed in a small boat.

METHOD

Field photographs and a copy of the field edit ozalid were taken into the field. All verification was done by visual observations. The specific items of question, as listed on the ozalid were visited for verification. The MHW line was checked by pacing from photo-identifiable objects. There were no landmarks or fixed aides to navigation on this map.

Notes have been made in red-violet on the field photographs and cross referenced to the field edit ozalid. Determination of rocks awash, reefs and extent of foul areas was extremely difficult with the 69 E photographs because of the stage of the tide and the inability to use the photos in stereo. Pocket stereo glasses are of little use on these large photographs. Also the large photos are extremely difficult to use in the rainy weather which prevails in Southeast Alaska. The manuscripts compiled from the 1961 photos appear to be better than the 1969 photos for reefs and rocks awash. Due to the extent of the foul areas those rocks awash off shore which were most critical to navigation were concentrated on.

Field edit notes are on photographs 69 E 957 and 69 E 958.

ADEQUACY OF COMPILATION

The compilation of the map appears to be adequate.

RECOMMENDATIONS

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

Respectfully submitted,

F.T. Smith

F.T. Smith
LCdr. 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

REVIEW REPORT T-12220

SHORELINE

April 16, 1973

61. GENERAL STATEMENT

See Summary which is page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey No. 4330, 1:10,000 scale, dated September 1 - October 15, 1927. Differences between these surveys are shown in blue on the comparison print. T-12220 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. Quadrangles PETERSBURG (C-5) and (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-9160, scale 1:10,000, dated 1970. The source of H-9160 shoreline was not known to the final reviewer. It did not agree with Incomplete or Class I shoreline and was probably from the Preliminary Manuscript. Shoreline on the final reviewed manuscript is final. Differences between H-9160 and T-12220 are indicated in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 8272, scale 1:20,000, 4th edition, dated 21 November 1971. Significant differences were noted in red on the comparison print.

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°45'00" x=2,670,000 FT. | 44'30" | 44'00" | 43'30" x=2,67

56°33'45"

Kuiu Island

Foul

Foul

Foul

Foul

Kelp

* Not visible on Photo 61 W 9631-32

33'30"

33'30"

y=1,725,000 FT.

COMPARISON PRINT

Purple = H-9160
Blue = T-4330
Red = Chart 8272

33'00"

33'

Foul

Awas

Fou

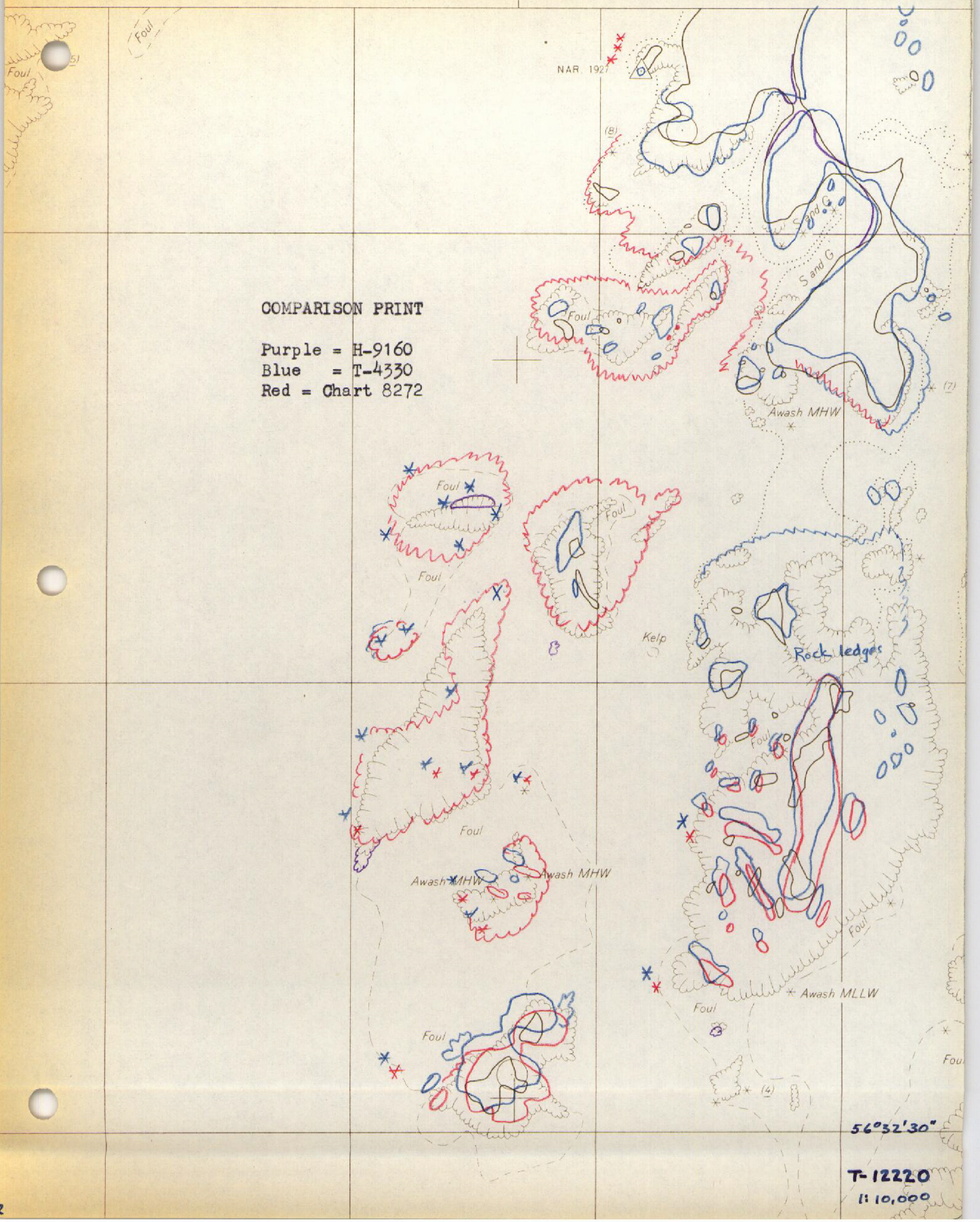
y=1,720,000 FT.

32'30"

56°32'30"

T-12220
1:10,000

44'00" 43'30" x=2,675,000 FT. | 133°43'00" 42'30"

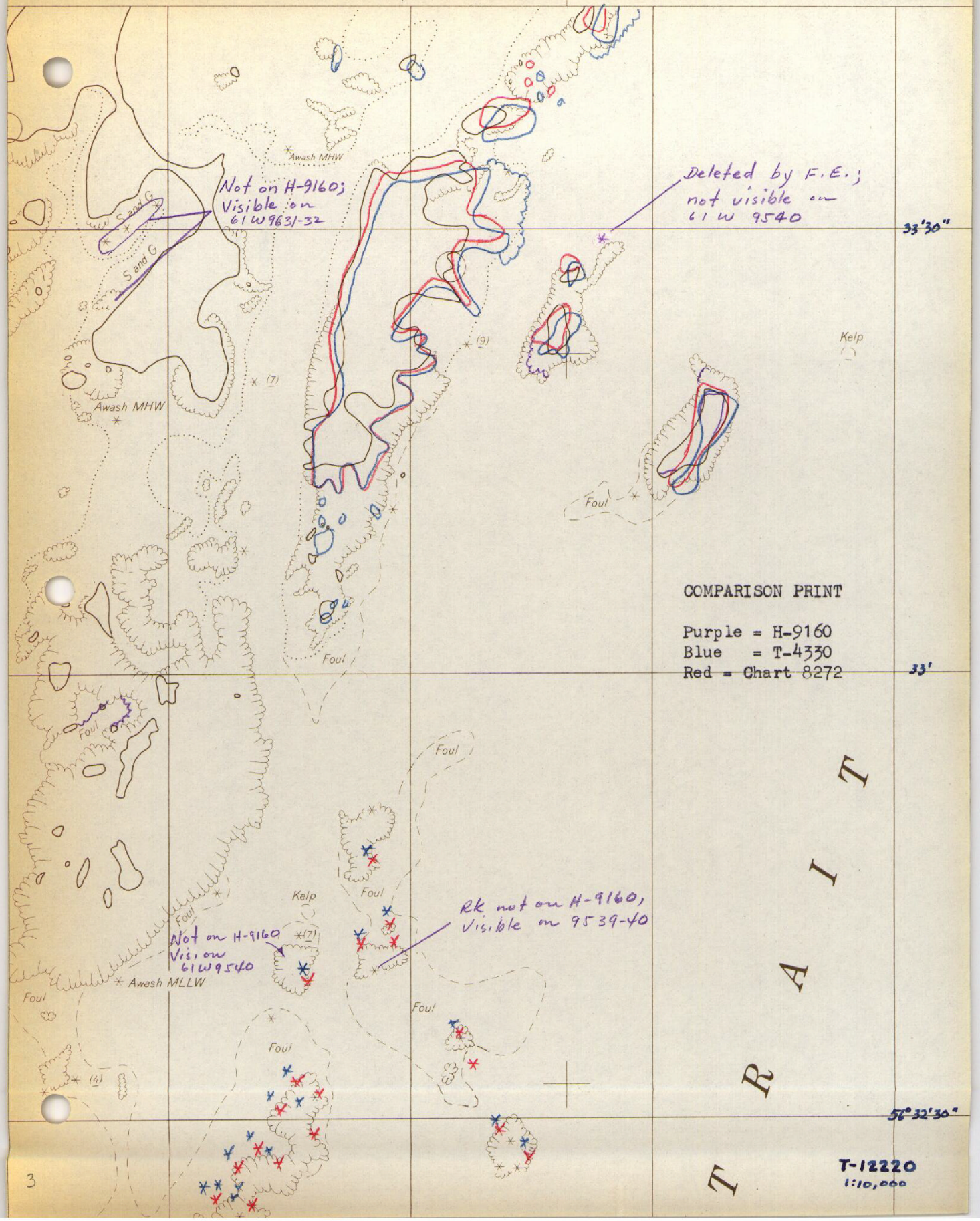



56°32'30"

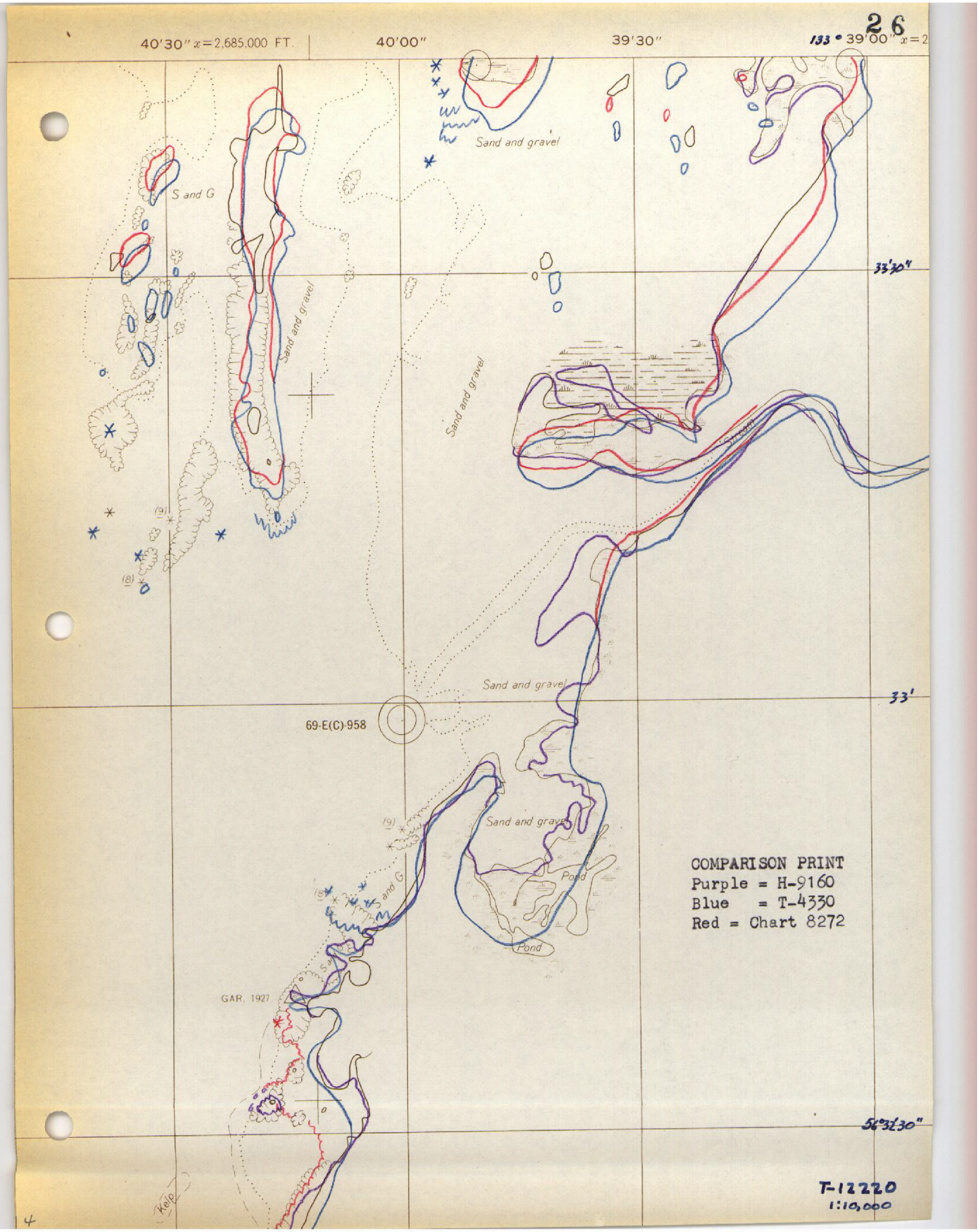
T-12220

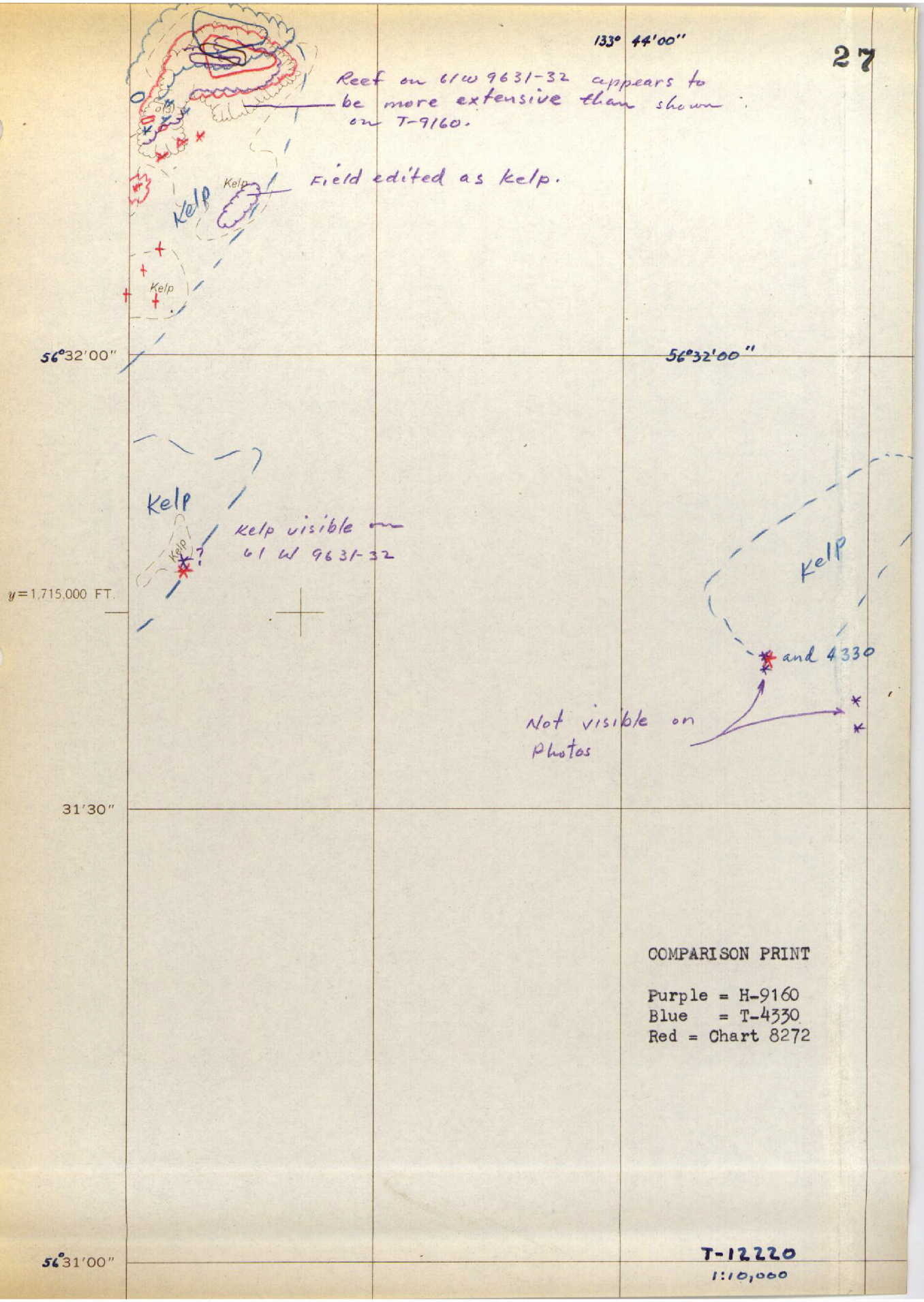
1:10,000

2



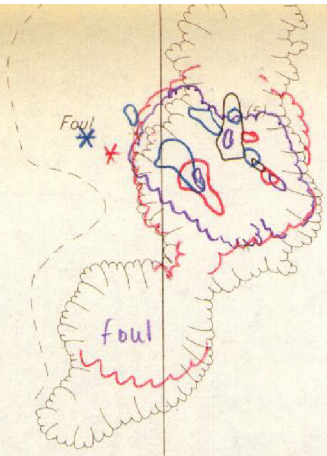

T-12220
1:10,000


40'30" x=2,685,000 FT.
40'00"
39'30"
133° 39'00" x=2
Sand and gravel
S and G
Sand and gravel
Sand and gravel
Sand and gravel
Sand and gravel
69-E(C)-958
Sand and gravel
Pond
Pond
S and G
GAR, 1927
Kelp
33'30"
33'
54°32'30"
COMPARISON PRINT
Purple = H-9160
Blue = T-4330
Red = Chart 8272
T-12220
1:10,000

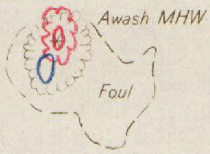

133° 44'00"
27
Reef on HW 9631-32 appears to be more extensive than shown on T-9160.
Field edited as kelp.
Kelp
Kelp
Kelp
56°32'00"
56°32'00"
Kelp
Kelp
Kelp visible on HW 9631-32
y=1,715,000 FT.
Kelp
and 4330
Not visible on Photos
31'30"
COMPARISON PRINT
Purple = H-9160
Blue = T-4330
Red = Chart 8272
56°31'00"
T-12220
1:10,000

133°42'00"

54°32'00"




K E K U

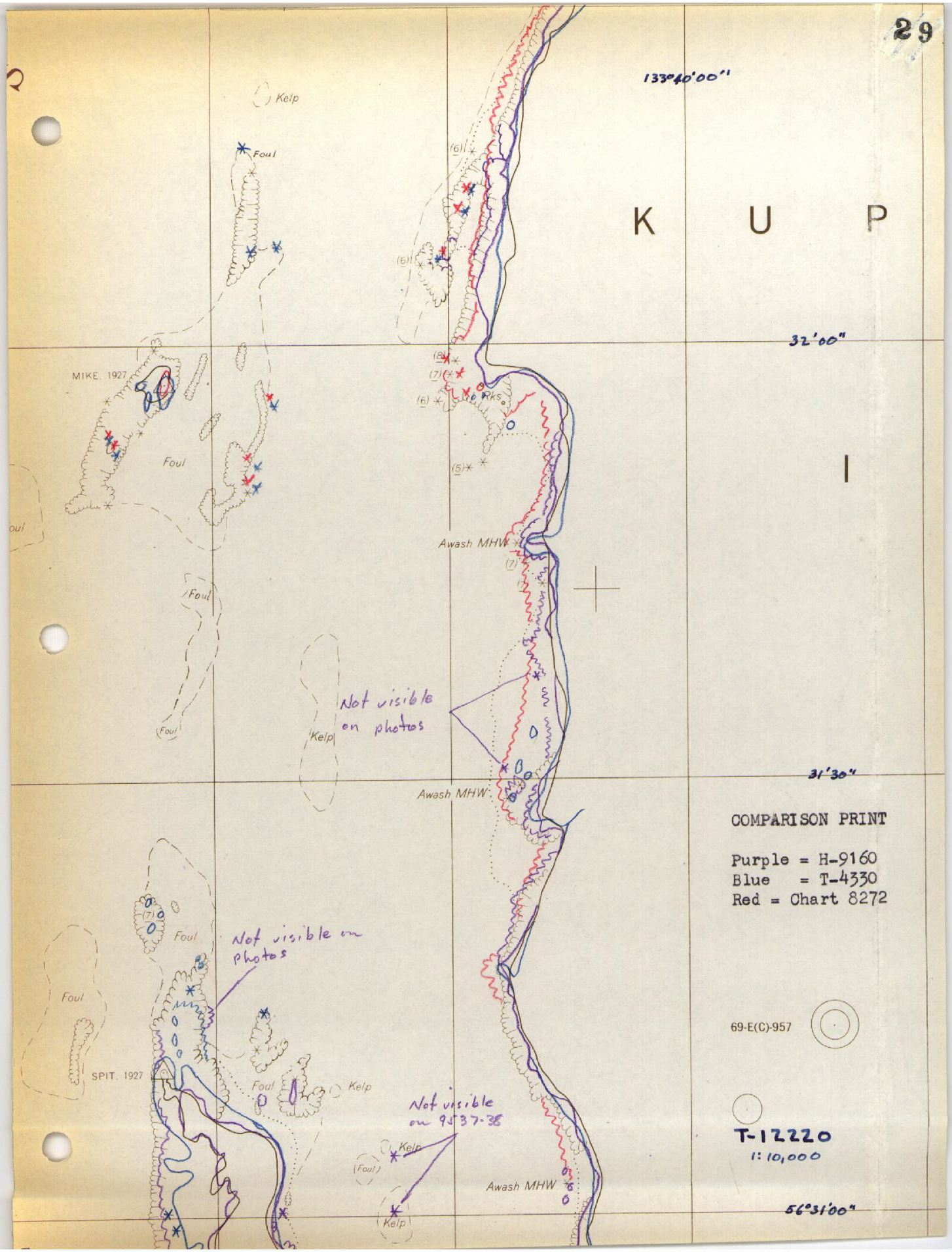



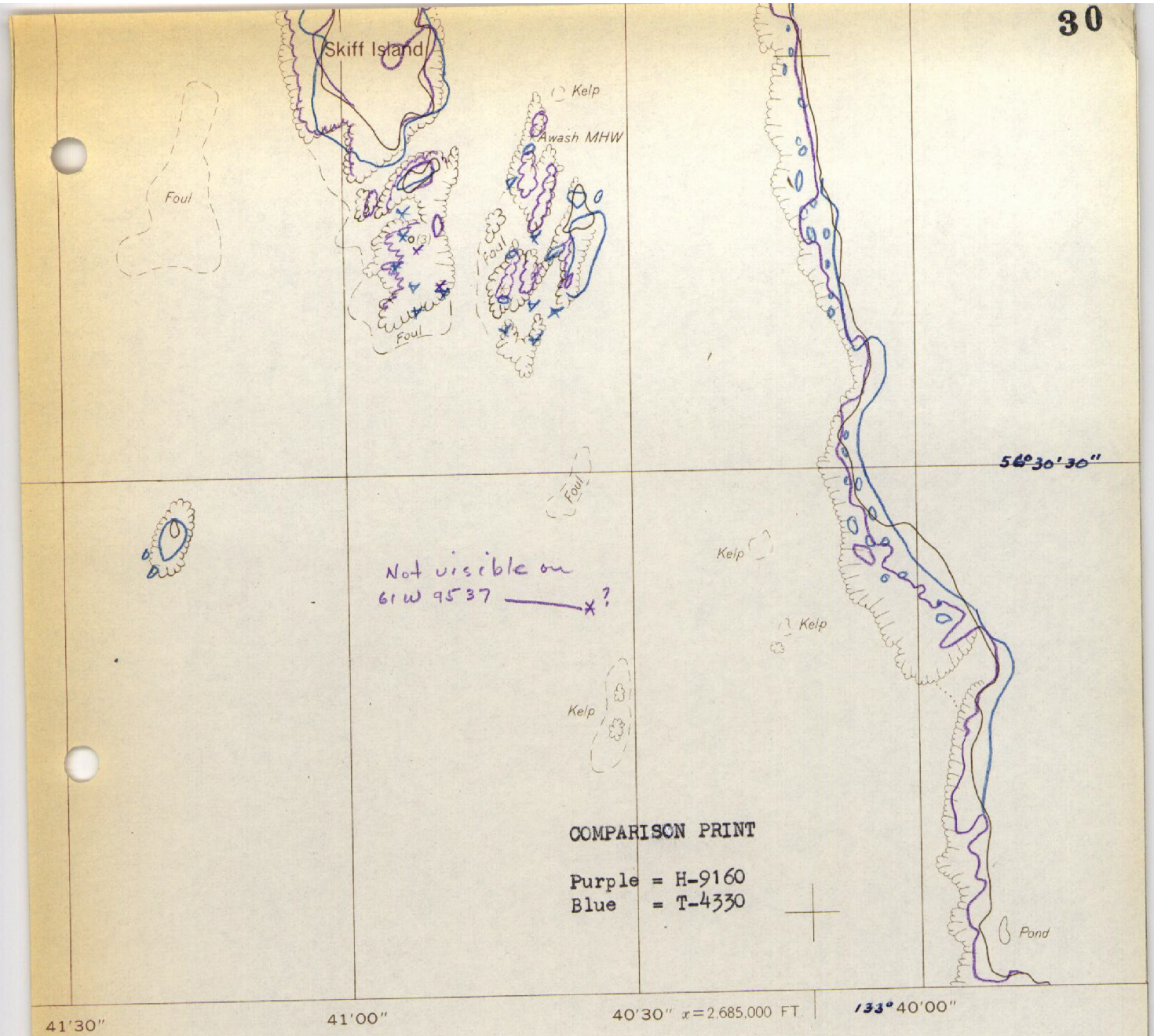

COMPARISON PRINT

Purple = H-9160
Blue = T-4330
Red = Chart 8272

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 ...ewed hydrographic survey of the area where available, should be consulted for the final delineation."

T-12220
1:10,000


133°40'00"
K U P
I
32'00"
31'30"
56°31'00"
Kelp
Foul
MIKE, 1927
Awash MHW
Rks
Not visible on photos
SPIT, 1927
Not visible on 9537-38
COMPARISON PRINT
Purple = H-9160
Blue = T-4330
Red = Chart 8272
69-E(C)-957
T-12220
1:10,000




LEGEND

Rock ledge

Marsh

Grass in water

△ Recoverable horizontal control station of third-order or h

Approximate mean lower low-water line

The light shoreline defines the outer limits of vegetation approximate mean high water.

The heavy shoreline defines the approximate mean high

Compiled by photogrammetric methods, from aerial pho

| | |
|---|---|
| Date of Photography | July 1961 Aug. 1969 |
| Date of Field Inspection | None |
| Date of Field Edit | July 1971 |
| Date of Final Compilation | Jan. 1972 |
| Date of Final Review | April 1973 |

T-12220
1:10,000