ORIGINAL

12179

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-12179

LOCALITY

State Alaska

General locality Keku Strait

Locality Turnabout Island

19 62-1966

CHIEF OF PARTY

Alfred C. Holmes, Director, AMC

LIBRARY & ARCHIVES

DATE .....

USCOMM-DC 37022-P66

12179

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

DESCRIPTIVE REPORT - DATA RECORD

T - 12179

PROJECT NO. (II):

JOB PH-6206

FIELD OFFICE (II):	CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center Photogrammetric Branch	**OFFICER-IN-CHARGE** Alfred C. Holmes, RADM, NOAA Director, AMC

INSTRUCTIONS DATED (II) (III):

January 18, 1965	OFFICE
November 26, 1965	OFFICE SUPPLEMENT I
March 18, 1966	OFFICE AMENDMENT I
May 11, 1965	FIELD
June 14, 1965	FIELD

METHOD OF COMPILATION (III):

Kelsh instrument

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	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): MHW

~~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~~ mean lower low water

REFERENCE STATION (III):

TURNABOUT ISLAND LIGHTHOUSE 1917 ✓

LAT.:	LONG.:	
57° 07' 56.511 ✓	133° 59' 09.525 ✓	[X] ADJUSTED [ ] UNADJUSTED

PLANE COORDINATES (IV):		STATE	ZONE
1,935,702.91 ✓	x = 2,622,207.58 ✓	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

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): None	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo compilation Date of Photography: 6/16/62, 7/27/65, 7/28/65	
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE 11/03/65
PROJECTION AND GRIDS CHECKED BY (IV): R. S. Kornspan	DATE 11/03/65
CONTROL PLOTTED BY (III): R. Smith	DATE 01/11/66
CONTROL CHECKED BY (III): C. H. Bishop	DATE 01/11/66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): G. M. Ball	DATE Nov. 1965
STEREOSCOPIC INSTRUMENT COMPILATION (III): K.G. Boyle C. H. Bishop	PLANIMETRY K. G. Boyle REV. BY: C.H. Bishop CONTOURS Inapplicable
	DATE 02/02/66 02/02/66 DATE
MANUSCRIPT DELINEATED BY (III): C.H. Bishop	DATE 02/03/66
SCRIBING BY (III): R. R. White	DATE 06/11/68
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):	COMPILATION: C.H. Bishop FIELD EDIT: C.H. Bishop SCRIBING & STICK-UP: R.E. Smith
	DATE 02/16/66 11/10/66 06/12/68
REMARKS: Field Edit by: Ship PATTON	June 1966

USCOMM-DC 36393B-P66

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

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

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "W" & Wild RC-9 "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65-M-108 and 109	27 July 1965	0836 PST	1:50,000	0.4 ft. below MLLW
65-M-211 and 212	28 July 1965	0853 PST	1:50,000	2.5 ft. below MLLW
62-W-5499 thru 5503	16 June 1962	0916 PST	1:20,000	3.8 ft. above MLLW
62-W-5508 thru 5512	16 June 1962	0925 PST	1:20,000	4.1 ft. above MLLW

TIDE (III) Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Ketchikan		13.0	15.4
SUBORDINATE STATION: Kake, Keku Strait		11.7	14.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, AMC — DATE: August 1971

PROOF EDIT BY (IV): — DATE:

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

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:

USCOMM-DC 36393C-P66

T-12179

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit		
Alongshore area for hydro	Feb. 1966	Superseded
Shoreline on N. side of Turn-about Island revised from Photos 62-W-5501 and 5502	March 1966	Superseded
Partial Field Edit Applied	December 1966	Superseded
Final Review	August 1971 ~~October 1972~~	Superseded

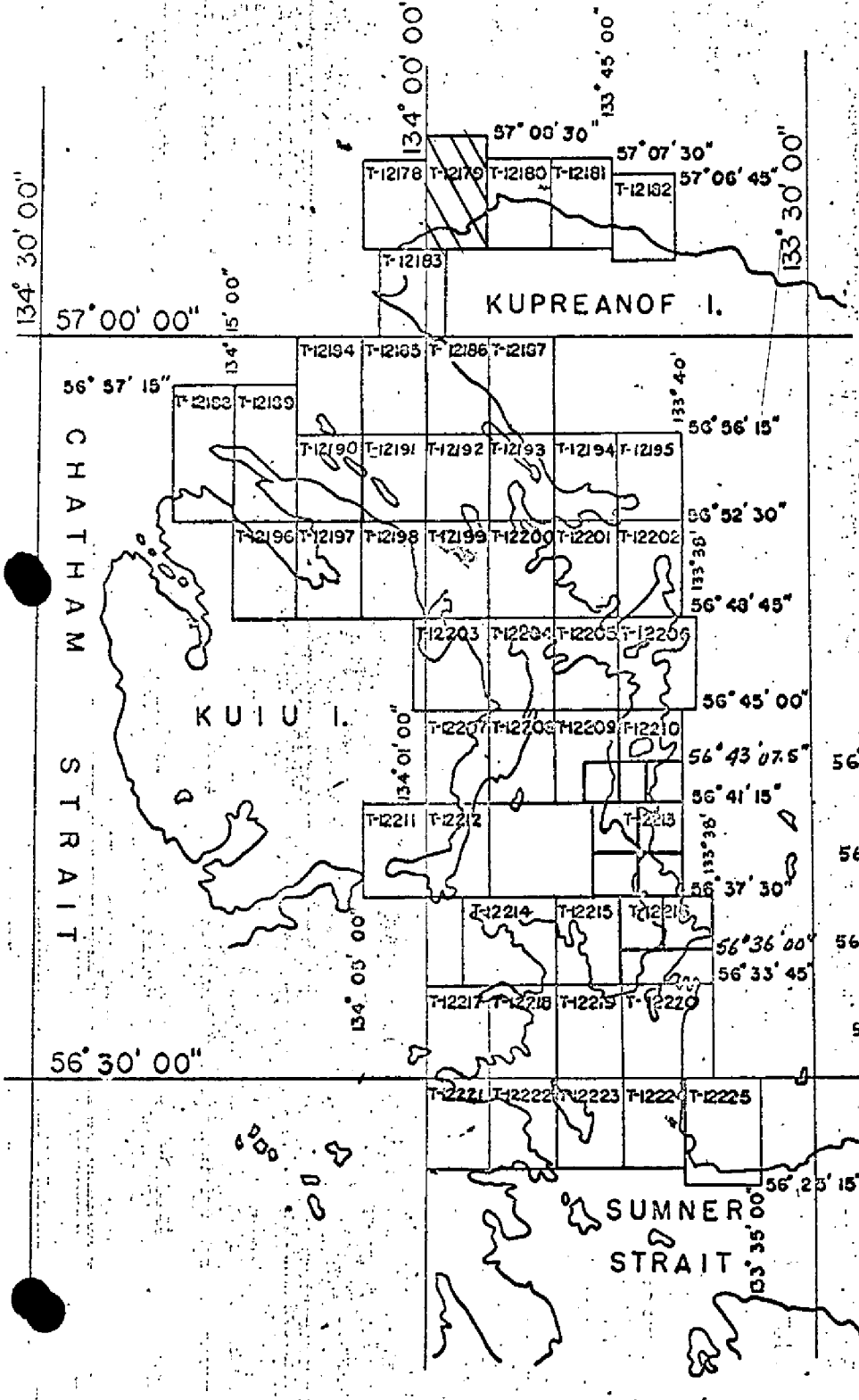
Discrepancies with reviewed hydro surveys resolved; Addendum added to Review Report } Oct. 1972

SHORELINE MAPPING PROJECT

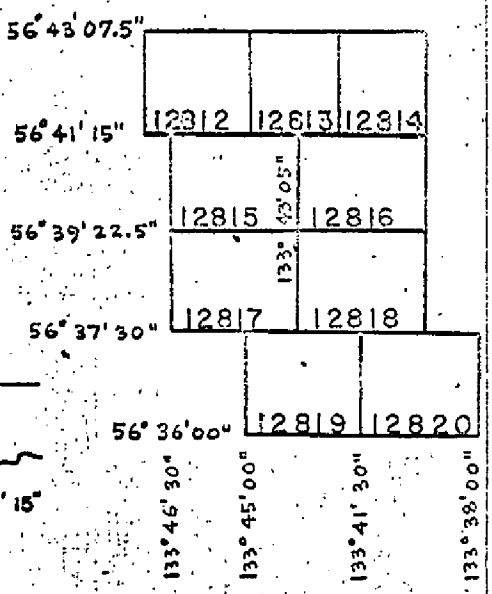
Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000



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



Rev. 9-65 R.G.
Revised 1-6-65

A.R.

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12179

Shoreline survey T-12179 is one of 53 similar surveys in project PH-6206. The primary purpose of the project was to provide modern shoreline and photo-hydro support data for hydrographic surveys in the Keku Strait area. See page 5 for the area covered by the project and the location of this survey within the project.

There was no field work prior to compilation with the exception of identification of horizontal control for aero-triangulation. The survey was field edited during the course of hydrography.

Compilation was at 1:10,000 scale by Kelsh instrument methods using the photography of June 1962 and July 1965. Copies of the incomplete manuscript along with specially prepared photographs and ozalids were furnished for transfer of the shoreline to the boat sheet, photo-hydro support use and field edit.

The compilation manuscript was a vinylite sheet 4 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 August 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT
T-12179

There was no field inspection prior to compilation.

Photogrammetric Plot Report
Project PH-6206
Keku Straits, Alaska
November 1965

21. Area Covered

This report covers an area of Alaska in the upper portion of Keku Straits and its confluence with Frederick Sound.

22. Method

Analytic aerotriangulation methods were used to bridge four strips of "M" photography at the scale of 1:50,000. The attached sketch of strips bridged shows the amount and placement of triangulation furnished. Closures to control and to tie points have been tabulated.

23. Adequacy of Control

Horizontal control (pre-marked targets) identified and required to adjust the strips bridged was slightly above our minimum requirements. Two of the four strips were adjusted using only three stations and common tie points as a check to our bridging accuracy. The final results are well within the National Standards of Map Accuracy for the fourteen shoreline sheets to be compiled (T-12178, T-12179, T-12183 through T-12192, T-12196 and T-12197).

Control stations that were not used in our final adjustment follow: (1) CORN, 1925, this station is on the tip of a peninsula and so situated that it was impossible to set a model in which this station could have been of any value to our work; (2) KEKU, 1927, this target was not visible on either the film or the plates. It is our belief, based upon the published description, that the target might have washed away; (3) HAM, 1927, this station was used on Strip #2, however on Strip #3 the target was not visible because the layover of trees near the station obscured the target on one photograph.

24. Supplemental Data

Numerous U.S.G.S. quads were used to obtain elevations required for the final adjustment.

25. Photography

Photography was adequate with regard to coverage, overlap and image defination.

Respectfully submitted:

George M. Ball

Approved and forwarded:

Henry P. Eichert
Acting Chief, Aerotriangulation Section

CLOSURE TO CONTROL AND TIE POINTS
(feet)

STRIP #1

BENDEL, 1917 (0.0 -0.1)
KELP, 1965 (-0.1 -0.1)
PINT, 1965 (-0.1 -0.1)

STRIP #2

BENDEL, 1917 (+1.3 0.0)
CART, 1927 (-2.0 -0.6)
KAKE, 1927 (-1.4 +0.1)
AGE, 1927 (+1.3 +0.6)
AMY, 1927
S.S. (-0.5 -0.4)

TIES TO STRIP #1

08401	-0.2	+ 2.6
08402	-0.9	+10.1
08402	-0.9	+ 9.6

TIES TO STRIP #3

27401	+6.7	+ 6.2
28401	+9.0	+ 9.1
29401	+3.4	- 2.4
29401	+5.5	- 0.7
29402	+9.3	+ 6.0
29403	+8.2	+ 3.7
33401	+3.2	+ 0.4
33402	+5.0	+ 5.4

STRIP #3

KAKE, 1927 (+1.8 -2.1)
ALTO, 1927 (-2.0 +0.5)

STRIP #3 cont.

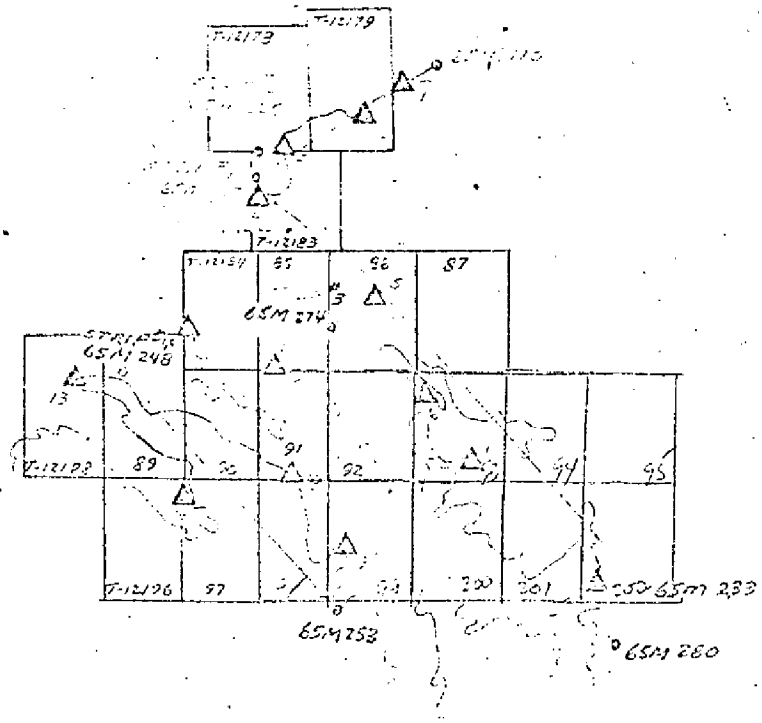
HAM, 1927 (-2.8 -0.9)
AGE, 1927 (+3.4 +3.1)
AMY, 1927
S.S. (-0.6 -0.9)

STRIP #4

GNAW, 1965 (-0.1 0.0)
LOW, 1927 (-0.1 0.0)
LUCK, 1927 (-0.1 0.0)

TIES TO STRIP #3

74401	+0.1	+0.2
74401	+0.3	+0.6
75401	+9.3	-6.2
76401	+3.1	+3.2
76402	+6.7	+5.4



NEAR STRAITS, ALASKA
PAI - 6206.

SHADED MARGINS
SCALE 1:10,000

SHADE LEMA PHOTO
SCALE 1:63,000

KEY TO PHOTOGRAPHY

1. UNIT, 1965
2. KELP, 1965
3. SENDEL, 1917
4. CAMP, 1927
5. KARE, 1927
6. HAM, 1927
7. ASH, 1927
8. MAY, 1927
9. LUCK, 1927
10. LOW, 1927
11. ALTA, 1927
12. KERO, 1927
13. SAM, 1927
14. [illegible]

File IIA

Job PH-6206
Keku Straits, Alaska

Notes to Compiler

The drill holes have been cleaned, however, it is suggested that due to the methods by which the plates have been transported the holes be recleaned. The method that we have found most practical has been to gently tap the area around the drill hole with scotch tape; this will remove any emulsion which may have fallen back into the holes.

The difference between the dates of the photography (M 65 E to E plates and W 61 and 62 Kelsh plates) as well as the scale difference (M 1:50,000 and the W 1:20,000) caused the pug operators a great amount of trouble, hence, it is advisable to have the Kelsh operators drop as many additional points to help control the surrounding models.

The Kelsh operators will also have some models that have only three points, this unfortunate condition could not be avoided.

There are areas within the project limits that cannot be delineated by using the Kelsh plotter, therefore, the M photography will have to be set in the B-8's. The methods by which the shoreline is to be delineated and the field ratio prints are to be furnished for hydro support will be up to the Compilation Office. Kelsh plates have been ordered to cover the whole area even though only 60 percent of the plates have been drilled. These plates may or may not be of any additional help to you, however, we have tried to furnish all the available material.

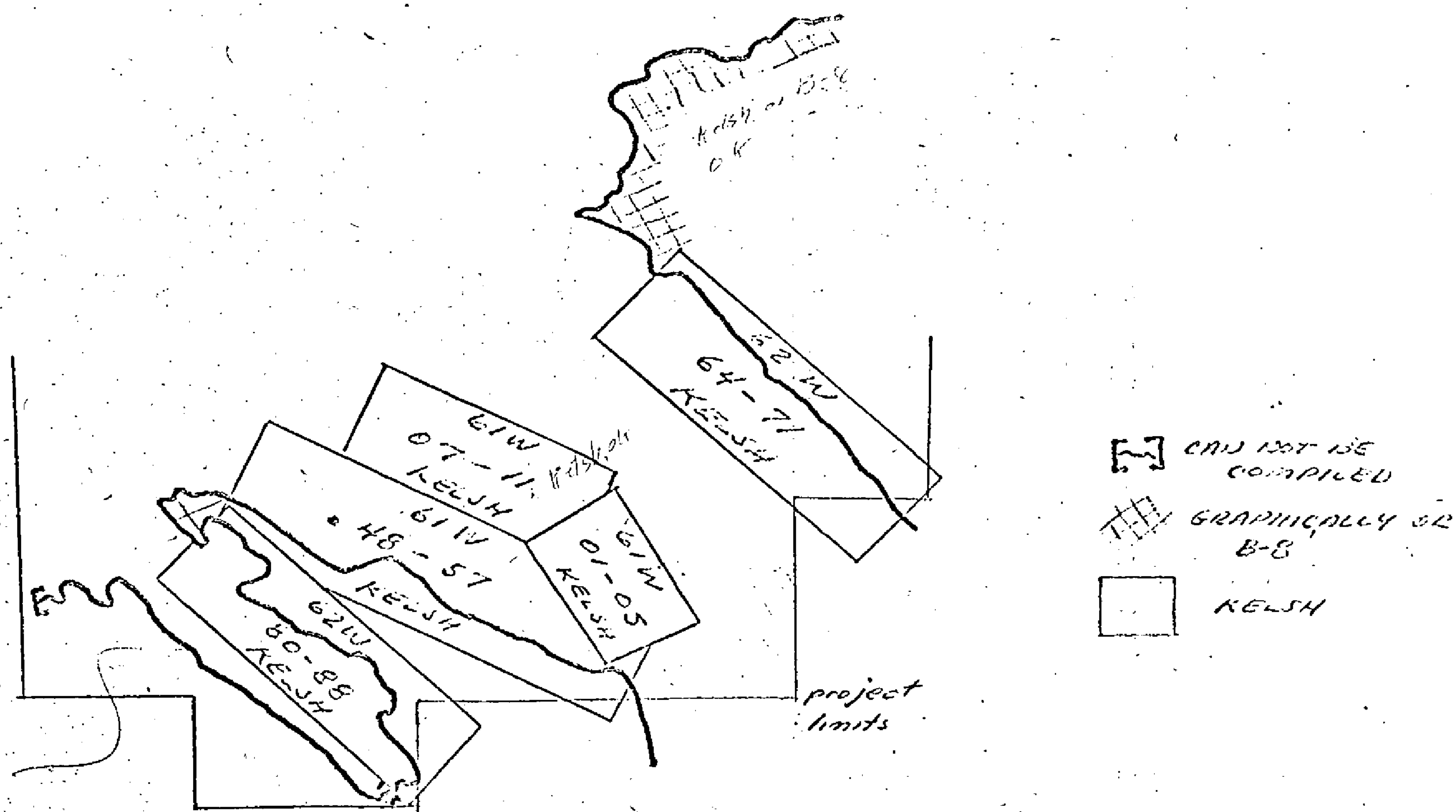
The following list indicates those Kelsh models that can be set:

61 W 9348 - 57
61 W 9401 - 05
61 W 9407 - 11
62 W 5480 - 88
62 W 5564 - 71

and the additional Kelsh plates furnished but not drilled:

62 W 5478 - 79
62 W 5491 - 97
62 W 5507 - 15
62 W 5560 - 63

The attached diagram shows (1) the areas that can be compiled with the Kelsh plotter, (2) the areas to be compiled either with the E-8 or graphically, and (3) the area within the project limits which cannot be compiled. This problem has been called to the attention of Mr. Heywood. This diagram should be used only as a reference diagram, the final project and control diagram will accompany the Photogrammetric Plot Report.



NOTE
CONTROL REQUESTED
TO BE FURNISHED
DURING THE 1966
SEASON

KEKU STRAITS

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T- 12179 PROJECT NO. PH-6206 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
TURNABOUT ISLAND LIGHTHOUSE 1917	Vol.III p. 993	NA 1927	57 07 56.511 133 59 09.525	1,748.1 (108.0) 160.2 (849.1)	✓ ✓		
ditto	57133 p. 11		1 935 702.91 2 622 207.58	702.9 (4297.1) 2207.6 (2792.4)	✓ ✓		
Sub. Sta.	IBM		1 935 792.32 2 622 252.97	792.3 (4207.7) 2253.0 (2747.0)	✓ ✓		
TOP 1917	Vol.III pg. 991	NA 1927	57 07 45.280 133 58 23.499	1400.7 (455.4) 395.3 (614.1)	✓ ✓		
"	and 57133 p. 11	"	1 934 551.54 2 624 742.33	4551.5 (448.5) 4742.3 (257.7)	✓ ✓		

1 FT. = .3048006 METER

COMPUTED BY: CHB DATE 1/17/66 CHECKED BY: C.H.B. DATE 1-29-69

COMM-DC-57843

COMPILATION REPORT
T-12179

31. DELINEATION

Planimetry was compiled by Kelsh instrument.

32. CONTROL

Adequate supplementary control, based on identified horizontal control, was established by aerotriangulation.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours not applicable.

Main streams, two on this manuscript, were delineated for a short distance inshore from the shoreline.

35. SHORELINE AND ALONGSHORE DETAILS

There was no field inspection prior to compilation. Shoreline and alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

The only offshore details are the easterly section of Pinta Rocks. No compilation difficulties were encountered.

37. LANDMARKS AND AIDS

No landmarks were selected.

The only fixed aid to navigation, Turnabout Island Light, was listed on Form 567.

Form 567 has been forwarded to the Washington Office.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junctions were made with T-12178 on the west and T-12183 on the south. There is no contemporary survey on the north and from Longitude 133°58'30" eastward on the south. No junction was made to the east with T-12180, which is not in the immediate requirements for compilation.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle SUMDUM (A-6) ALASKA, scale 1:63,360 published in 1948.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart 8201, scale 1:217,828 revised 7/20/64.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None

Approved for forwarding:

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

Submitted:

Charles H. Bishop

C. H. Bishop
Cartographer

Approved:

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

15

August 5, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206 (Alaska)

T-12179

Frederick Sound

Kupreanof Island

Pinta Rocks

Turnabout Island

Approved by:

A. Joseph Wraight
Chief Engineer

Prepared by:

Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

1. Completion of approximate MHWL on north side of Turnabout Island is awaiting receipt of ratio photos from Washington Office as of this date (3/1/66).

2. All compilation was done without the aid of field inspection; therefore, the office interpretation of the mean high water line, character of the foreshore, foul areas and kelp areas should be verified.

3. All rock data should be added by the hydrographer.

NOTE: Item 1 above superseded. MHWL revised from ratios received from WSC. See new submission of T-12179 crona-flex (2). (03-04-66)

FORM C&GS-1002
(9-66)

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

PHOTOGRAMMETRIC OFFICE REVIEW

T- 12179

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CHB	CHB	CHB	CHB

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
CHB	XX	XX

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
XX	XX	Bridge - W.O.	XX

ALONGSHORE AREAS *(Nautical Chart Data)*

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

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
CHB	XX	CHB	XX

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
CHB	CHB	XX

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

CULTURAL FEATURES

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

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
XX	XX

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
CHB	CHB	CHB

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
XX	CHB	None	CHB

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Charles H Bishop Charles H. Bishop	Albert C. Rauck Jr. Albert 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
Charles H Bishop C.H. Bishop	11/10/66	Albert C. Rauck Jr. Albert C. Rauck, Jr.
REV. BY: C.H. Bishop	11/10/66	

43. REMARKS

Field edit applied from: Field edit ozalid, field photos Nos. 62-W-5511 & 5512.

T-12179

FIELD EDIT REPORT

There were no field edit reports submitted with the field edit covering the 1966 to 1968 season's work, and no Form 567 was submitted to the compilation office by the field party.

C&GS FORM 567
(11-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Norfolk, Virginia — February 15, 1966

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by C. H. Bishop

J. Bull, RADM, USESSA *Chief of Party.*

STATE: Alaska

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	Turnabout Island Light (TURNABOUT ISLAND LIGHTHOUSE 1917)		57 07	56.511 1748.1	133 59	09.525 160.2	NA 1927	Triangulation			x		8201

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

USCOMM-DC 16234-P61

* TABULATE SECONDS AND METERS

REVIEW REPORT T-12179

SHORELINE

August 11, 1971

61. GENERAL STATEMENT

The area in the vicinity of Turnabout Island and the area west of longitude 133°57'00" on this survey was not field edited.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with a copy of survey No. 2116, a 1:80,000 scale survey made in 1893. That survey is now obsolete and is superseded by T-12179.for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8907 (PA-10-2-66). The boat sheet does not cover that area west of longitude 133°57'00" or the area of Turnabout Island.

The source of the shoreline for the boat sheet was an incomplete manuscript. Some changes in the placement of the MHWL were made by the field editor, therefore, the shoreline of the two surveys is not in complete agreement. All differences have been noted on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 8201, 16th edition, dated November 7, 1970. Because of the difference in scale only a visual comparison was feasible. No major discrepancies 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

Leo F. Beugnet
Cartographer

Approved for forwarding:

Melvin J. Umbach

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

Approved:

Alfred P. Holmes

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

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

ADDENDUM TO REVIEW REPORTS

T-12178, T-12179, AND T-12183 THROUGH T-12202

After Maps T-12178, T-12179, and T-12183 through T-12202 had ben final reviewed and the reports written and signed, and the hydrographic surveys had been verified and reviewed, the Marine Chart Division requested additional review of the photogrammetric manuscripts to aid in resolving discrepancies between the hydrographic and photogrammetric surveys. Discrepancy prints of each T-sheet and verified copies of the hydrographic surveys were furnished to aid in this review. H-9041 Boat Sheet was used for T-12198 through T-12202, as a verified copy of this survey was not available to the reviewer.

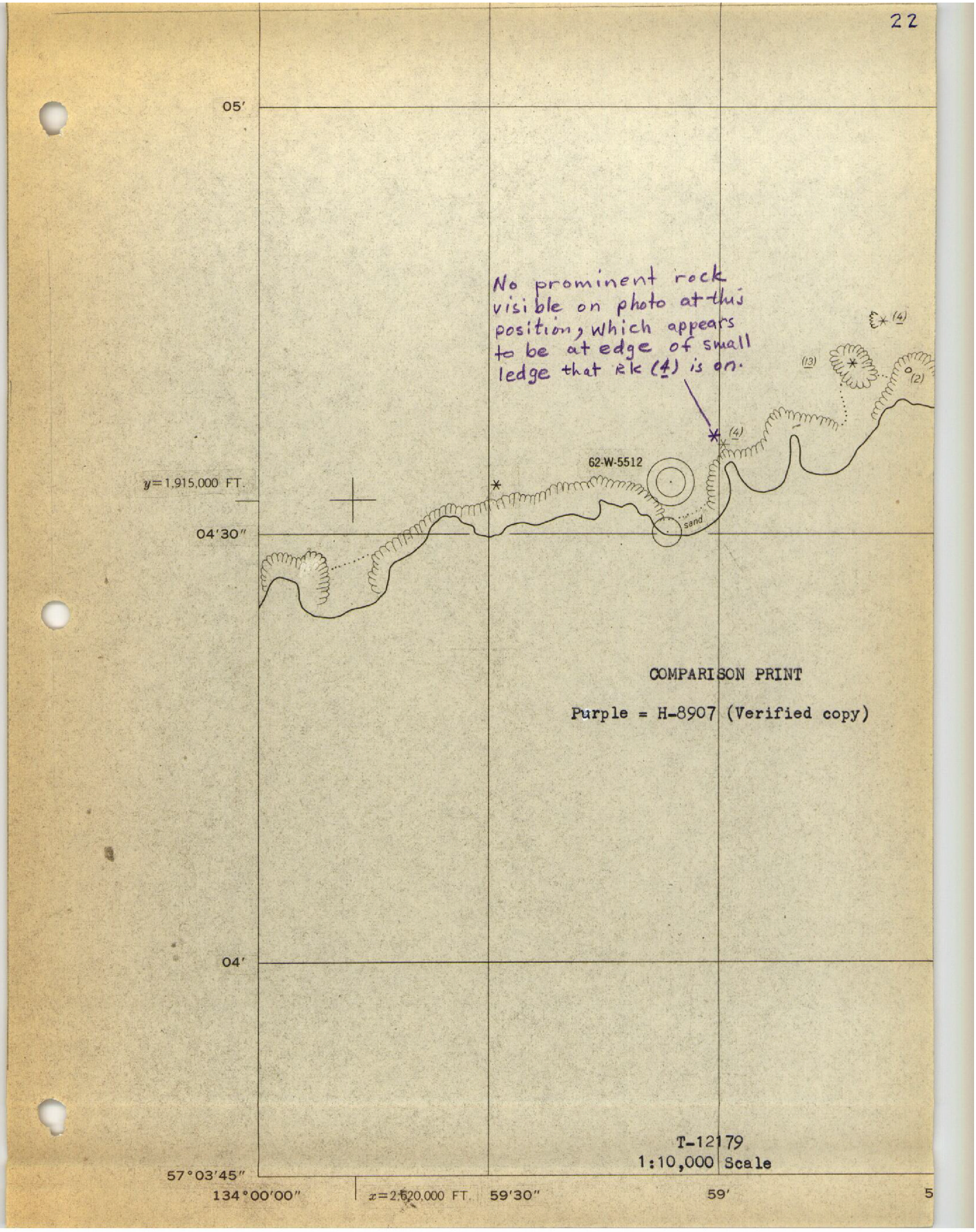
Copies of the hydrographic surveys were used as aids to verify what could be seen on the photographs of the area: If a feature on the hydrographic survey was not positively identifiable on the photographs, it was not added to the T-sheet. This review resulted in the revision of several ledges, some mean high water line, and the addition of several rocks awash. The hydrographer's elevations were not added to the photogrammetric manuscripts.

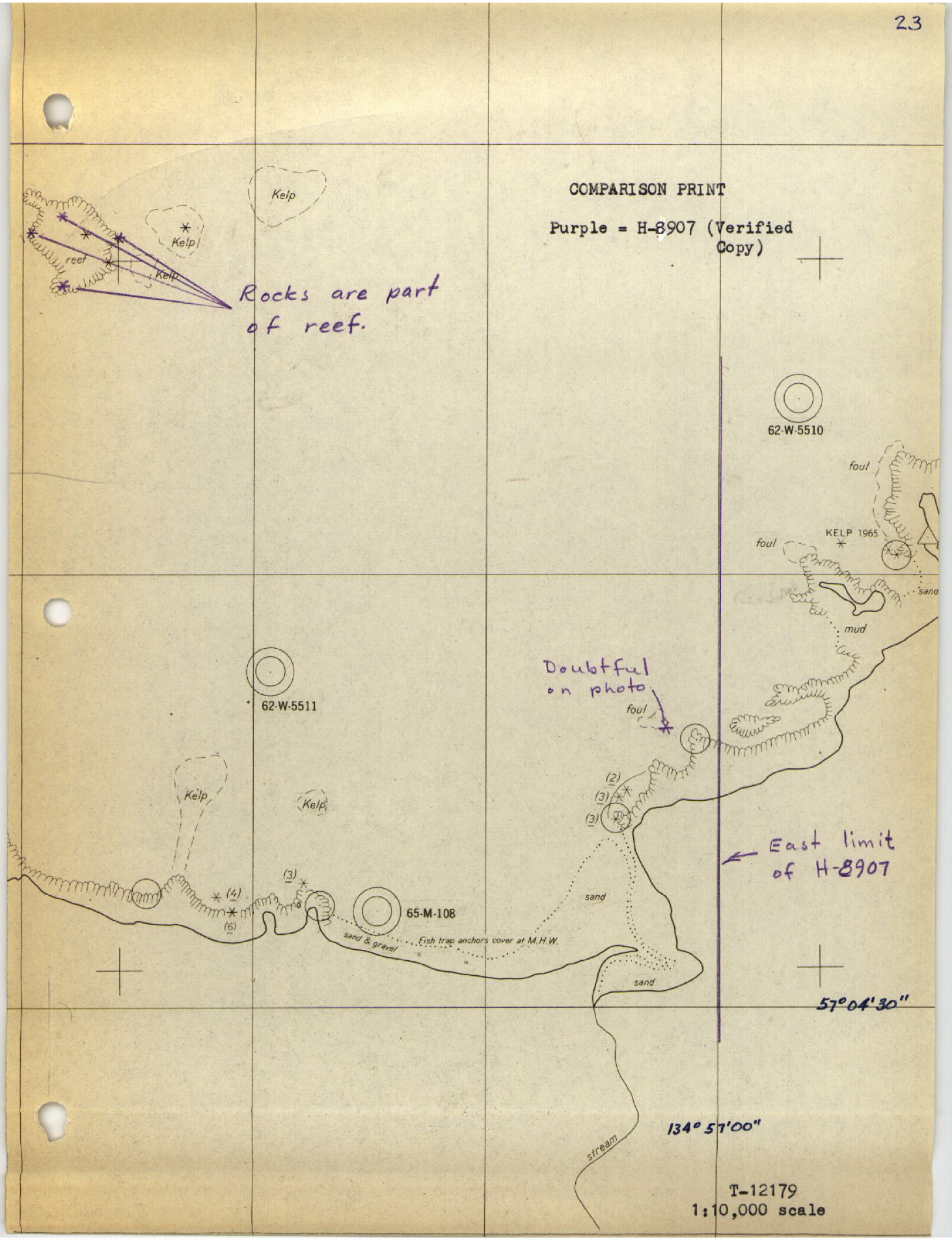
Questions on the discrepancy prints were answered on separate ozalids and returned to the Marine Chart Division, along with a Chart Maintenance Print reflecting differences between the Advance Manuscript and the Final Reviewed Manuscript for each map.

Comparison prints bound with this report reflect differences with the verified hydrographic surveys, except T-12198 through T-12202, rather than the boat sheets. The sources for shoreline on the verified hydrographic surveys were copies of Advance Manuscripts; therefore, shoreline agreement is generally good.

Charles H. Bishop

Charles H. Bishop
Cartographer
January 1973


05'
No prominent rock visible on photo at this position, which appears to be at edge of small ledge that Rk (4) is on.
(4)
(13)
(2)
(4)
62-W-5512
y=1,915,000 FT.
sand
04'30"
COMPARISON PRINT
Purple = H-8907 (Verified copy)
04'
T-12179
1:10,000 Scale
57°03'45"
134°00'00"
x=2,620,000 FT.
59'30"
59'


COMPARISON PRINT
Purple = H-8907 (Verified Copy)
Kelp
Kelp
reef
Kelp
Rocks are part of reef.
62-W-5510
foul
KELP 1965
foul
sand
mud
62-W-5511
Doubtful on photo
foul
Kelp
Kelp
(2)
(3)
(3)
East limit of H-8907
(3)
(4)
(6)
65-M-108
sand
sand & gravel
Fish trap anchors cover at M.H.W.
sand
57°04'30"
134°57'00"
stream
T-12179
1:10,000 scale