

12202

12202

FORM C&GS-504	
U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
<i>Type of Survey</i> SHORELINE (PHOTOGRAMMETRIC)	
<i>Field No.</i>	<i>Office No.</i> T-12202
LOCALITY	
<i>State</i>	ALASKA
<i>General locality</i>	KEKU STRAIT
<i>Locality</i>	BIG JOHN BAY
1961-1969	
CHIEF OF PARTY	
Alfred C. Holmes, Director, AMC	
LIBRARY & ARCHIVES	
DATE	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

T - 1 2202

SUBJECT NO. (II): <p style="text-align: center;">Job PH-6206</p>												
FIELD OFFICE (II):		CHIEF OF PARTY										
PHOTOGRAMMETRIC OFFICE (III): <p style="text-align: center;">Atlantic Marine Center Photogrammetric Branch</p>		OFFICER-IN-CHARGE Alfred C. Holmes, RADM, NOAA Director, AMC										
INSTRUCTIONS DATED (II) (III): <table style="width:100%; border: none;"> <tr> <td style="width: 50%; border: none;">January 18, 1965</td> <td style="width: 50%; border: none;">OFFICE</td> </tr> <tr> <td style="border: none;">November 26, 1965</td> <td style="border: none;">OFFICE SUPPLEMENT I</td> </tr> <tr> <td style="border: none;">January 26, 1967</td> <td style="border: none;">OFFICE AMENDMENT III</td> </tr> <tr> <td style="border: none;">May 11, 1965</td> <td style="border: none;">FIELD</td> </tr> <tr> <td style="border: none;">June 14, 1965</td> <td style="border: none;">FIELD</td> </tr> </table>			January 18, 1965	OFFICE	November 26, 1965	OFFICE SUPPLEMENT I	January 26, 1967	OFFICE AMENDMENT III	May 11, 1965	FIELD	June 14, 1965	FIELD
January 18, 1965	OFFICE											
November 26, 1965	OFFICE SUPPLEMENT I											
January 26, 1967	OFFICE AMENDMENT III											
May 11, 1965	FIELD											
June 14, 1965	FIELD											
METHOD OF COMPILATION (III): <p style="text-align: center;">Wild B-8</p>												
MANUSCRIPT SCALE (III): <p style="text-align: center;">1:10,000</p>		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): <p style="text-align: center;">1:8,333 pantographed to 1:10,000</p>										
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):										
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV): <p style="text-align: right;">Sept. 4, 1975</p>										
GEOGRAPHIC DATUM (III): <p style="text-align: center;">N.A. 1927</p>		VERTICAL DATUM (III): MHW MLLW EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., MLLW mean lower low water										
REFERENCE STATION (III): <p style="text-align: center;">ANY 1927 ✓</p>												
LAT.: 56° 48' 51.23" (1584.7m) ✓	LONG.: 133° 41' 19.08" (323.7m) ✓	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED										
PLANE COORDINATES (IV): <p style="text-align: center;">1 819 334 ft. ✓ x = 2 681 242 ft. ✓</p>		STATE: Alaska ✓ ZONE: 1 ✓										
<p>MAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.</p> <p>WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.</p>												

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: July 16, 1961 and July 29, 1965		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 11-9-65
PROJECTION AND GRIDS CHECKED BY (IV): R. S. Kornspan		DATE 11-9-65
CONTROL PLOTTED BY (III): C. H. Bishop		DATE 1-13-66
CONTROL CHECKED BY (III): J. Steinberg		DATE 1-13-66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): G. M. Ball		DATE Nov. 1965
STEREOSCOPIC INSTRUMENT COMPILATION (III): Wild B-8	PLANIMETRY L. O. Neterer Rev. by: K. G. Boyle	DATE 12-20-66 12-20-66
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): L. O. Neterer		DATE 12-30-66
SCRIBING BY (III): B. Barge		DATE 02-11-69
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILATION: C.H. Bishop FIELD EDIT: None SCRIBING & SETUP: R. E. Smith		DATE 04-28-67 02-12-69
REMARKS: Field Edit By: None		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

RC-8 "W" and RC-9 "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61 W 9369	15 July 1961	0819	1:30,000	(from predicted tables) 0.9 ft. above MLLW
61 W 9610 thru 9613	16 July 1961	1124	1:30,000	1.8 ft. above MLLW
65 M 231 thru 233	29 July 1965	0845	1:50,000	4.4 ft. below MLLW
65 M 279	29 July 1965	0948	1:50,000	3.1 ft. below MLLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Ketchikan		13.0	15.4
COORDINATE STATION: Entrance Island		12.3	14.7
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): *Leo F. Beugnot, AMC* DATE: *Dec. 1971*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): RECOVERED: 1 IDENTIFIED: 1

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:

T-12202

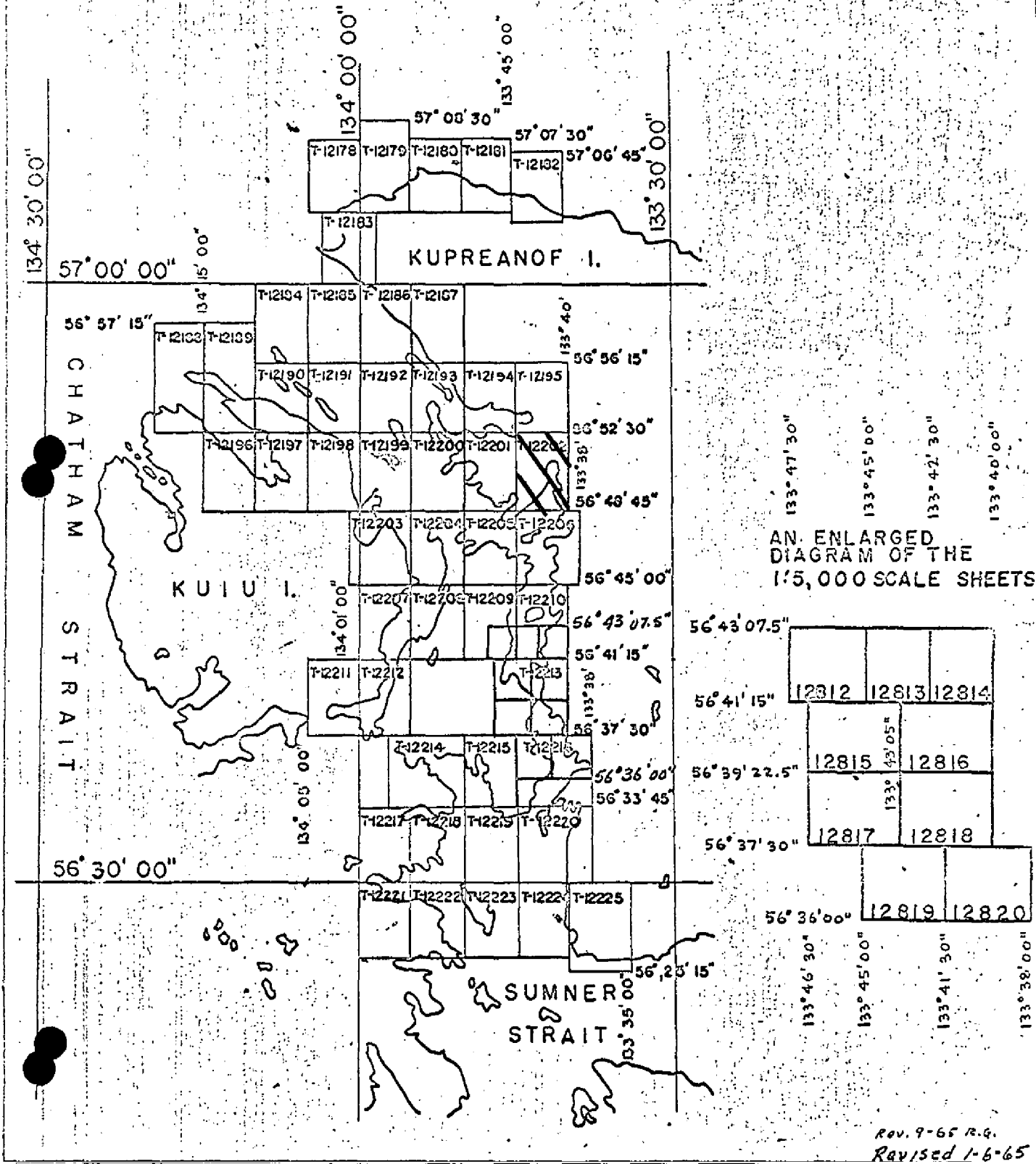
COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore area for hydro	Dec. 1966	<i>Superseded</i>
No Field Edit submitted		
<i>Final Review</i>	<i>Dec. 1971</i>	<i>Superseded</i>
<i>Additional Review; Addendum added to Review Report</i>	<i>Jan. 1973</i>	

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-12202

Shoreline survey T-12202 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 aerotriangulation. The survey was field edited during the course of hydrography.

Compilation was at 1:10,000 scale by Wild B-8 methods using the photography of July 1961 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 vinulite sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude. Final review was in the Atlantic Marine Center in December 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT
PH-6206
T-12202

There was no field inspection prior to compilation.

PHOTOGRAMMETRIC PLOT REPORT
Job 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

Analytical 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 (premarked 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 eighteen shoreline sheets to be compiled (T-12178, T-12179, T-12183 thru T-12195, T-12196 thru T-12198).

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 lay-over of trees near the station obscured the target on one photograph.

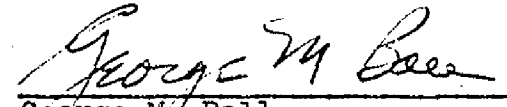
24. Supplemental Data

Numerous USGS quads were used to obtain elevations required for the final adjustment.

25. Photography

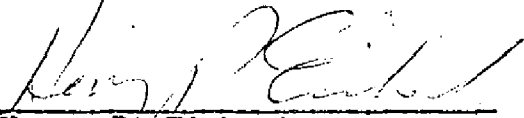
Photography was adequate with regard to coverage, overlap and image definition.

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 (+9.5 + 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.

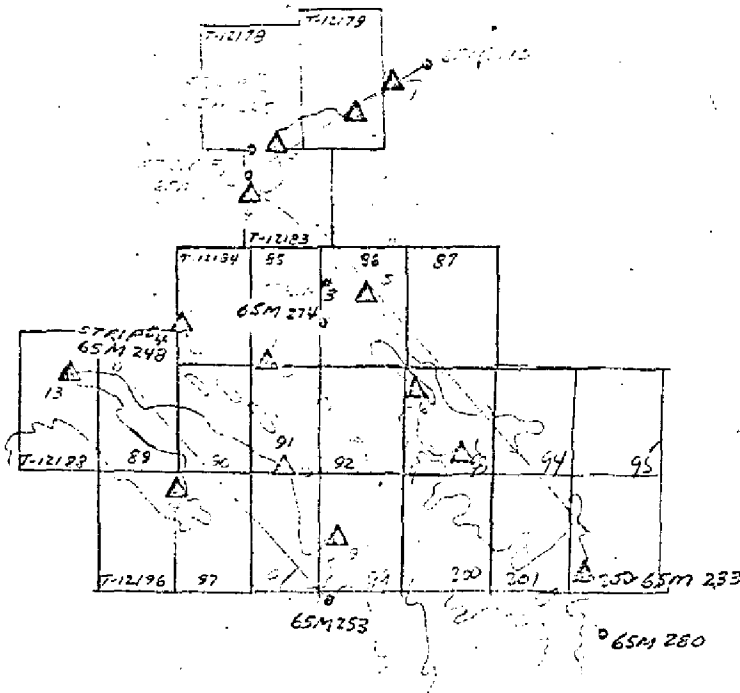
HAM, 1927
(-2.8 -0.9)
AGE, 1927
(+3.4 +3.1)
AMY, 1927
S.S. (-0.6 -0.9)

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)



KURU STRAITS, ALASKA

PH - 6206

SOUNDING MAPS

SCALE 1:10,000

SOUNDING MAPS

SCALE 1:10,000

KEY TO SYMBOLIZATION

1. TINT, 1965
2. KEMP, 1965
3. SENDEL, 1917
4. CART, 1927
5. KAKE, 1927
6. HART, 1927
7. ASH, 1927
8. HALL, 1927
9. LUCK, 1927
10. LOW, 1927
11. ALTA, 1927
12. KERU, 1927
13. JOHNS, 1927
14. T. AD, 1927

COMPILATION REPORT
T-12202

31. DELINEATION:

The Wild B-8 was used. Photography was satisfactory.

32. CONTROL:

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was compiled from office interpretation.

35. SHORELINE AND ALONGSHORE FEATURES:

There was no field inspection prior to compilation. The shoreline and alongshore features were compiled from office interpretation of the photographs. The MLLW was delineated from office interpretation of the photographs.

36. OFFSHORE DETAIL:

Offshore details were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

None

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

Satisfactory junctions have been made with T-12195 to the north, T-12206 to the south and T-12201 to the west. There is no contemporary survey to the east.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USCGS Quadrangle PETERSBURG (D-6), ALASKA, scale 1:63,360 dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Nautical Chart 8201, scale 1:217,828, 11th edition, dated 3/4/63, revised 07-20-64.


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

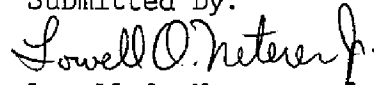
ITEMS TO BE CARRIED FORWARD

None


Approved for forwarding:


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

Submitted by:


Lowell O. Neterer, Jr.
Cartographic Technician

Approved:


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

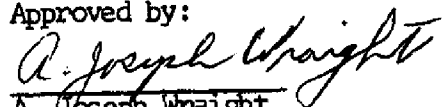
December 8, 1971

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-6206 (Alaska)

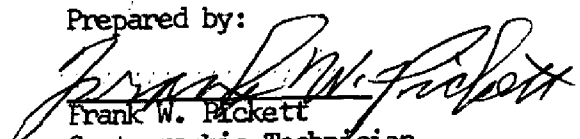
T-12202

- Big John Bay
- Big John Creek
- Kupreanof Island
- McNaughton Point

Approved by:


A. Joseph Wraight
Chief Geographer

Prepared by:


Frank W. Bickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER:

- 1- There was no field inspection prior to compilation; therefore, occasional measurements should be made from identifiable points on the photographs to the MHWL to verify compilation.
- 2- If there are landmarks or fixed aids to navigation within the area of this map, investigate and submit Form 567.
- 3- Give character of foreshore areas (sand, mud, etc.).
- 4- Foul, shoal, and reef areas and rocks shown on this manuscript were determined by office interpretation of aerial photographs of the area. Their existence and extent should be verified by the hydrographer. If a foul, shoal, or reef area or rock does not exist, this fact should be noted on the Field Edit Ozalid.
- 5- See Field Edit Ozalid for other notes.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 12202

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	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 Bridge W. O.	11. DETAIL POINTS Wild B-8
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES XX
PHYSICAL FEATURES			
20. WATER FEATURES CHB		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 XX
CULTURAL FEATURES			
27. ROADS XX	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB	35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT RBS	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS CHB
40. REVIEWER <i>Charles H Bishop</i> C.H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> 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	
43. REMARKS No Field Edit received on T-12202			

T-12202

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.

REVIEW REPORT T-12202

SHORELINE

December 16, 1971

61. GENERAL STATEMENT

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with survey No. 4330, 1:20,000 scale, made in September-October 1927. That survey is now obsolete. It is superseded by T-12202 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS PETERSBURG (D-6), ALASKA, 1:63,360 scale quadrangle, edition of 1951 with minor revisions made in 1963. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of boat sheet H-9158 (DA 10-4-70). There is no hydrography in the upper reaches of Big John Bay, the area being mostly tidal flats. An approximate mean lower low water line was retained on the final manuscript for any value it may be to the chart compiler.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8201, 16th edition dated November 7, 1970. The two surveys are in good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey was not field edited. It is considered adequate for nautical chart construction purposes.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet
Cartographer

Approved:

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

Approved:

Alfred C. 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 been 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 originals 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