

11910

Diag. Cht. No. 4116.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (PHOTOGRAMMETRIC)
Field No. Ph-6012	Office No. T-11910
LOCALITY	
State	Hawaii
General locality	Maui Island
Locality	Paina Point
1962 *	
CHIEF OF PARTY	
H. J. Seaborg, Honolulu District Office	
W. E. Randall, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

* Refer to page 3 of Descriptive Report
(Remarks - Field edit)

11910

DESCRIPTIVE REPORT - DATA RECORD

T-11910

PROJECT NO. (II): PH 6012		
FIELD OFFICE (III): Honolulu, Hawaii		CHIEF OF PARTY H. J. Seaborg
PHOTOGRAMMETRIC OFFICE (III): Baltimore, Maryland		OFFICER-IN-CHARGE W. E. Randall
INSTRUCTIONS DATED (II) (III): 14 November 1960 28 November 1960 13 June 1961 16 January 1962		
METHOD OF COMPILATION (III): Kelsh Plotter		
MANUSCRIPT SCALE (III): 1:5,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:5,000
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): Old Hawaiian		VERTICAL DATUM (III): <u>MSL</u> MEAN SEA LEVEL EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>
REFERENCE STATION (III): KAPUKAULUA (HGS) (HTS 1929), 1878		
LAT.: 20° 47' 43.576"	LONG.: 156° 00' 14.363"	☒ ADJUSTED ☐ UNADJUSTED
PLANE COORDINATES (IV): Y = 168,298.94 X = 726,351.77		STATE Hawaii
		ZONE 2
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.		

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II):		DATE:
J. C. Lajoie		March 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Mean high water located by Kelsh Plotter from 1960 panchromatic and 1962 color photography.		
PROJECTION AND GRIDS RULED BY (IV):		DATE
R.A.C.		11-30-60
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
J.D.C.		12-6-60
CONTROL PLOTTED BY (III):		DATE
L.A. Senasack		3-7-62
CONTROL CHECKED BY (III):		DATE
I.O. Neterer		3-7-62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
Aerotriangulation - Washington Office		1961
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	D.M. Brant	5-62
	CONTOURS	DATE
D.M. Brant	Inapplicable	
MANUSCRIPT DELINEATED BY (III):		DATE
D.M. Brant		5-62
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
J.D. Mc Evoy		5-62
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"W" Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62 W(C) 2298 & 2299	26 Jan. 1962	0954	1:10,000	0.9 ft. above MLLW
Tides computed from Predicted Tide Tables.				

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Honolulu, Hawaii		1.2	1.9
SUBORDINATE STATION: Hana, Hawaii		1.8	2.5
SUBORDINATE STATION:			

FINAL
WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Norfolk Regional Office

DATE: Nov. 1965

PROOF EDIT BY (IV):

DATE: Dec. 1965

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

FIELD EDIT —

Map Legend date, July 1962 - pages 14 & 15 of this report indicate
a date of field edit of 1963 or 1964.
Field edit by USC&GSS Pathfinder

NO FIELD EDIT SHEET SUBMITTED

4/

COMPILATION RECORD

COMPLETION DATE

REMARKS

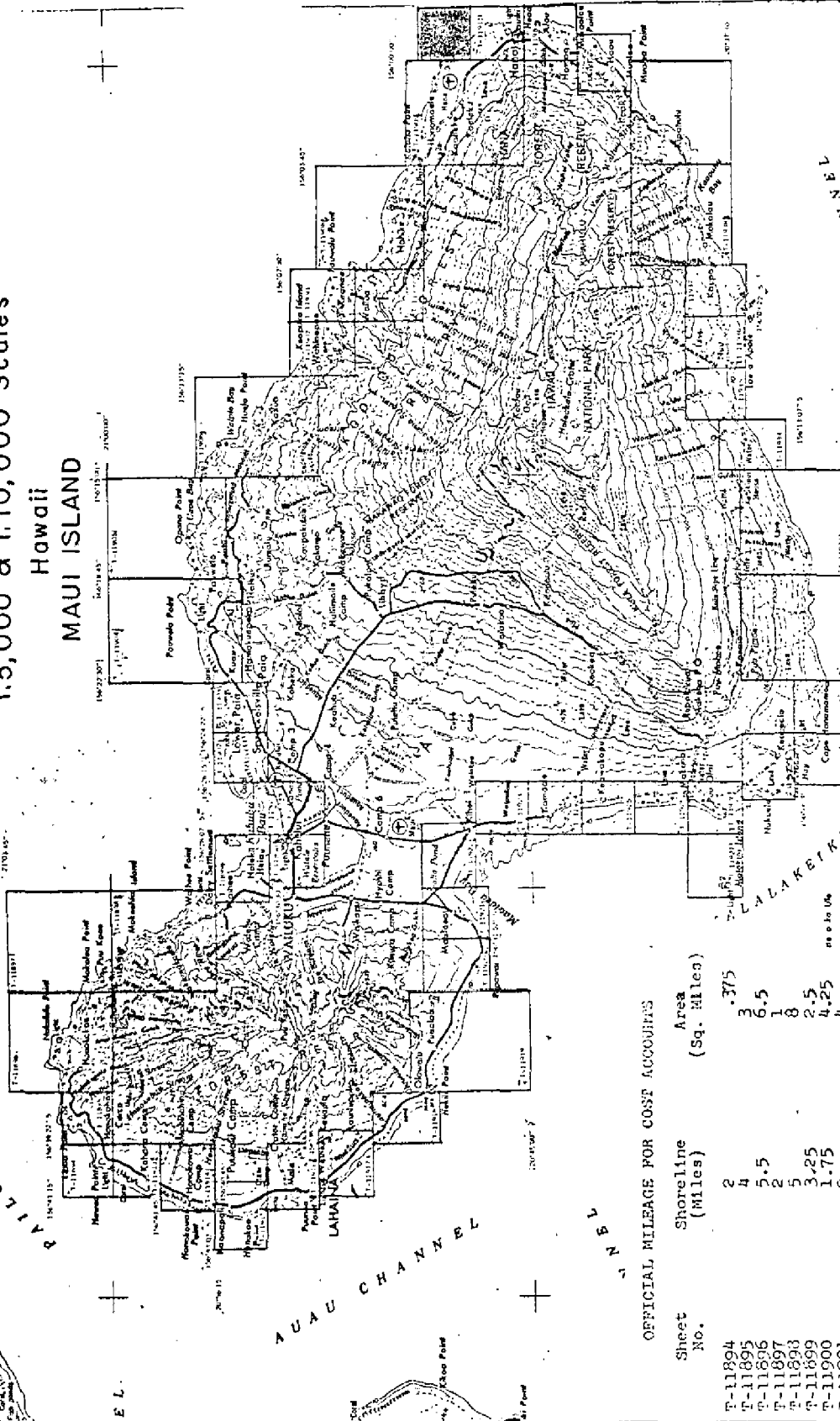
Alongshore area for Hydro	June 1962	superseded
Final Compilation	June 1964	

Planimetric Mapping

1:5,000 & 1:10,000 Scales

Hawaii

MAUI ISLAND



OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11894	2	.375
T-11895	4	3
T-11896	5.5	6.5
T-11897	2	1
T-11898	5	8
T-11899	3.25	2.5
T-11900	1.75	4.25
T-11901	2	4
T-11902	2.5	1
T-11903	2	2
T-11904	5	6
T-11905	4.5	4
T-11906	6.5	10
T-11907	7	7.8
T-11908	5	6
T-11909	4.7	16
T-11910	.75	.25
T-11911	2.7	2
T-11912	27	3
T-11913	2.2	3.5
T-11914	2.5	2.2
T-11915	2.5	2.2
T-11916	2.5	4
T-11917	27	2.6
T-11918	3	4
T-11919	4	6

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11922	3	3
T-11923	2	2.5
T-11924	2.5	2.5
T-11925	2.5	1.5
T-11926	2.5	1
T-11927	1	.04
T-11928	3	1.5
T-11929	4.5	3
T-11930	1.5	.25

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11931	2.5	1.5
T-11932	4.5	12
T-11933	5	8
T-11934	2.7	3
T-11935	2.5	4
T-11936	5	4
T-11937	5	6
T-11938	4.5	3
T-11939	2.5	2.5
T-11940	2.5	2.5

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11910

Shoreline manuscript T-11910 is one of forty-nine similar maps in this project and covers a part of the coastline of Maui Island. This was a Kelsh project in advance of hydrographic surveys in the area. The field operations preceding compilation included recovery and identification of horizontal control and field inspection. The Kelsh compilation was at 1:5,000 scale from 1:25,000 scale photography obtained October 15, 1960. A cronaflex positive showing shoreline, alongshore features and shoreline pass points was furnished for the preparation of the hydrographer's boat sheet along with 1:5,000 scale ratio prints for the location of hydro signals and for field edit purposes.

The compilation manuscript is a vinylite sheet 1 minute 52.5 seconds in latitude by 1 minute 52.5 seconds in longitude on which the smooth sheet was drafted and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
T-11910

Please refer to the Field Inspection Report for Maui Island,
Hawaii bound with the Descriptive Report for T-11991.

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T. 11910 PROJECT NO. PH-6012 SCALE OF MAP 1:5,000 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		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
THERE IS NO HORIZONTAL CONTROL OF THIRD ORDER ACCURACY OR BETTER WITHIN THE LIMITS OF THIS SURVEY.									

COMPILATION REPORT T-11910

For additional data pertaining to this survey please refer to the Field Inspection Report for Maui Island bound with T-11991 and the Photogrammetric Plot Report bound with T-11907.

Items 31 thru 36

Please refer to the Compilation Report bound with T-11896

37. LANDMARKS AND AIDS

There are no landmarks, aids to navigation, or aeronautical aids within the limits of this survey.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was established.

39. JUNCTIONS

Satisfactory junctions were made with T-11909 to the west and with T-11911 to the south. The Pacific Ocean is on the north and east.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Hana, Hawaii quadrangle, 1:24,000 scale, edition of 1957

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4116, 1:250,000 scale, 12th edition, August 17, 1964.

10.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Respectfully submitted:

Joseph Steinberg
For: Donald M. Brant
Carto. (Photo.)

Approved:

J. Hollis
for J. Bull
Capt. C&GS
Norfolk Regional Officer

11.
T-11910

48. Geographic Names List:

The Geographic Names listed below were furnished by the Washington Office on U.S.G.S. Hana, Hawaii 7½ minute quadrangle, 1:24,000 scale, edition of 1957.

Kuaiwa Point
Pacific Ocean
Paina Point

A. J. Wright
ALL NAMES ARE FROM THE
GEOGRAPHIC NAMES SECTION
UNLESS OTHERWISE MARKED.

Ph-6012
Maui Island, Hawaii
T-11910 and T-11911

49. NOTES FOR THE HYDROGRAPHER

A set of ratio photographs (taken in 1960 and 1962) has been prepared for use during photo-hydro support.

Color photography was used as an aid in interpreting offshore details and foul lines.

The positions of the following hydrographic signal sites identified on field inspection photographs have been established photogrammetrically for the following surveys:

Signal No.	Description	Photo. No.
	<u>T-11910</u>	
1001	Rag on point	2960
	<u>T-11911</u>	
8907	North of two palms n. m.	2377
1101	Hawaiian church steeple	2376
1102	Northeast corner of wharf	2376
1103	Dome shaped rock	2376
1104	East corner of pavillion	2376
1105	Hana Bay Range Front Daybeacon	2374
1106	Hana Bay Range Rear Daybeacon	2374
1107	Ironwood tree	2376
1108	Flag at east end of log	2960
1109	Center of red roof	2960
1110	High point of overhanging rock	2960
1111	Flag at indentation	2960
1112	High point of rock	2960
1113	Center of offshore rock	2960

FORM 182
(3-61)

PHOTOGRAMMETRIC OFFICE REVIEW

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

T-T-11910

1. PROJECTION AND GRIDS <i>LFB</i>		2. TITLE <i>LFB</i>		3. MANUSCRIPT NUMBERS <i>LFB</i>		4. MANUSCRIPT SIZE <i>LFB</i>		
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <i>LFB</i>			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) <i>None</i>				
	7. PHOTO HYDRO STATIONS <i>None</i>		8. BENCH MARKS <i>None</i>		9. PLOTTING OF SEXTANT FIXES <i>None</i>		10. PHOTOGRAMMETRIC PLOT REPORT <i>LFB</i>	
	11. DETAIL POINTS <i>LFB</i>							
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE <i>LFB</i>		13. LOW-WATER LINE <i>LFB</i>		14. ROCKS, SHOALS, ETC. <i>LFB</i>		15. BRIDGES <i>LFB</i>	
	16. AIDS TO NAVIGATION <i>None</i>		17. LANDMARKS <i>None</i>		18. OTHER ALONGSHORE PHYSICAL FEATURES <i>LFB</i>			
	19. OTHER ALONGSHORE CULTURAL FEATURES <i>LFB</i>							
PHYSICAL FEATURES	20. WATER FEATURES <i>LFB</i>			21. NATURAL GROUND COVER <i>LFB</i>				
	22. PLANETABLE CONTOURS <i>None</i>			23. STEREOSCOPIC INSTRUMENT CONTOURS <i>None</i>				
	24. CONTOURS IN GENERAL <i>None</i>			25. SPOT ELEVATIONS <i>None</i>				
	26. OTHER PHYSICAL FEATURES <i>LFB</i>							
CULTURAL FEATURES	27. ROADS <i>LFB</i>		28. BUILDINGS <i>LFB</i>		29. RAILROADS <i>None</i>			
	30. OTHER CULTURAL FEATURES <i>LFB</i>							
BOUNDARIES	31. BOUNDARY LINES <i>None</i>			32. PUBLIC LAND LINES <i>None</i>				
MISCELLANEOUS	33. GEOGRAPHIC NAMES <i>LFB</i>			34. JUNCTIONS <i>LFB</i>				
	35. LEGIBILITY OF THE MANUSCRIPT <i>LFB</i>		36. DISCREPANCY OVERLAY <i>LFB</i>		37. DESCRIPTIVE REPORT <i>LFB</i>			
	38. FIELD INSPECTION PHOTOGRAPHS <i>LFB</i>			39. FORMS <i>LFB</i>				
	SIGNATURE OF REVIEWER <i>Leo F. Beugnot</i>			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Joseph Steinberg</i>				
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT: Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.								
SIGNATURE OF COMPILER <i>Leo F. Beugnot for Del Brant</i>				SIGNATURE OF SUPERVISOR <i>Joseph Steinberg</i>				

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 25353-P61

FIELD EDIT REPORT
T-11910

No formal Field Edit Report was received. Please refer to the two following Memorandums concerning the field edit of this manuscript.

INSTRUCTIONS

244 10 146

The Director
Coast and Geodetic Survey
U.S. Department of Commerce
Washington 25, D.C.

DATE: 8 July 1963

Working Officer
Mr. Pathfinder
709 Federal Office Building
Seattle, Washington

SUBJECT: Field Edit Report - CPR-419

During the first half of the 1963 field season, Pathfinder personnel field edited the manuscripts listed below for accuracy. Although some minor suggested changes have been noted on the transcripts, in general, the manuscripts were found to be very reliable with only minor discrepancies being noted.

Four manuscripts with noted changes are being forwarded to the Washington Office on July 9. Those manuscripts with no recommended changes have been noted below. The remaining manuscripts will be forwarded as soon as we have had an opportunity to compare them with the best sheets now in Washington for photoreproducing.

S-11903	Edited - No changes
S-11906	Edited - Will be forwarded later
S-11907	Edited - Will be forwarded later
S-11908	Edited - Will be forwarded later
S-11909	Edited - Will be forwarded later
S-11910	Edited - Will be forwarded later
S-11912	Edited - Will be forwarded later
S-11916	Forwarded 9 July
S-11931	Edited - No recommended changes
S-11932	Edited - No recommended changes
S-11933	Edited - No recommended changes
S-11935	Forwarded 9 July
S-11936	Forwarded 9 July
S-11937	Forwarded 9 July
S-11951	Edited - Will be forwarded later
S-11952	Edited - Will be forwarded later

It is requested that these manuscripts be returned to the Ship as soon as is practical as they will be needed for smooth plotting.

H. J. Seaborg
H. J. Seaborg
Captain, USN

Information

15.
C 6314

TO : Chief, Photogrammetry Division

DATE: January 24, 1964

C 631/w

FROM : Commanding Officer
USCGCSS PATHFINDER
705 Federal Office Bldg.
Seattle 4, Washington 98104

SUBJECT: Field Edit data, Project 2103 (Ph-6012), Maui Island,
Hawaii

Manuscripts T-II907 and T-II991 were corrected and
sent 1/9/64 with transmittal letter PATH I-64. Man-
uscripts T-II906, T-II908 through T-II911 and T-II992
are being sent. Shoreline revision was necessary on
T-II909 and T-II908 only.

Replying to 6314/1h

for S. L. Hollis
H. J. Seaborg Capt. USCGC
Ship PATHFINDER
Seattle, Washington

Joe
You will not receive any objection
to this letter re Field Edit of
manuscripts with no changes noted. The
manuscripts (T-II906, T-II908, T-II909, T-II910, T-II911, T-II992)
are being sent with no changes.
Sent back to the ship (T-II906, T-II908, T-II909, T-II910, T-II911, T-II992)
for the photo. Records

1/31/64

REVIEW REPORT T-11910
SHORELINE

61. GENERAL STATEMENT

See summary accompanying Descriptive Report

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with Registered Planetable survey No. 3274, 1:20,000 scale dated March 20, 1914.

Shoreline manuscript T-11910 supersedes this prior survey and should be used for all nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. Hana, Hawaii 7½ minute quadrangle, 1:24,000 scale, edition of 1957.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8719-PF-10-2-63 sheet CC. The minor differences between the manuscript and boat sheet are shown on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4116, 1:250,000 scale edition of August 17, 1964.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:

Leo F. Buznet

Approved by:

S. Hollis
J. Bull, Director, Atlantic Marine Center

Approved by:

Charles L. Hansen
Chief, Cartographic Branch

L. F. Woodcock
Chief, Photogrammetry Division

John D. Boyer 2/21/68
Chief, Chart Division
Marine

Chief, Operations Branch

