

11924

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-11924

LOCALITY

State Hawaii

11924

## DESCRIPTIVE REPORT - DATA RECORD

T -11924

PROJECT NO. (II):

PH-6012

FIELD OFFICE (II):

Honolulu, Hawaii

CHIEF OF PARTY

H. J. Seaborg

PHOTOGRAMMETRIC OFFICE (III):

Baltimore, Maryland

OFFICER-IN-CHARGE

William E. Randall

INSTRUCTIONS DATED (II) (III):

14 November 1960  
28 November 1960  
13 June 1961  
27 December 1961  
16 January 1962  
1 April 1963

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):

~~MEAN LOW WATER OR MEAN LOWER LOW WATER~~ MHW

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

REFERENCE STATION (III):

KAMOA, 1950

LAT.:

20° 43' 47.953"

LONG.:

156° 26' 52.992"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 144,112.65 FT

X = 574,703.19 FT

Hawaii

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.

FORM C&GS-181b (12-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT - DATA RECORD			
FIELD INSPECTION BY (II):		DATE:	
J. C. Lajoie		Feb. 1961	
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):			
Mean high water line located by Kelsh Plotter from field inspection photographs.			
PROJECTION AND GRIDS RULED BY (IV):		DATE	
RAC		21 Nov. 1960	
PROJECTION AND GRIDS CHECKED BY (IV):		DATE	
JDC		21 Nov. 1960	
CONTROL PLOTTED BY (III):		DATE	
D.M.Brant		20 March 1961	
CONTROL CHECKED BY (III):		DATE	
E. L. Rolle		20 March 1961	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE	
Aerotriangulation - Washington Office		January 1961	
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE	
	E. L. Rolle	Feb. 1962	
	CONTOURS	DATE	
	Inapplicable	Feb. 1961	
MANUSCRIPT DELINEATED BY (III):		DATE	
E. L. Rolle		March 1961	
SCRIBING BY (III):		DATE	
C. A. Lipscomb		Aug. 1963	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE	
D. M. Brant		Aug. 1963	
REMARKS:			
FIELD EDIT - 1962			

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"W" Camera

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2711 & 2712	11 Oct. 1960	0902	1:25,000	0.5 ft. above MHW
61 W 949 & 950	24 Sept. 1961	1127	1:15,000	0.5 ft. above MLLW

From Predicted Tides

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Honolulu, Hawaii		1.2	1.9
SUBORDINATE STATION: Kehei, Maalaea Bay		1.6	2.3
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet-Atlantic Marine Center

DATE: Feb. 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

1

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):

9

REMARKS:

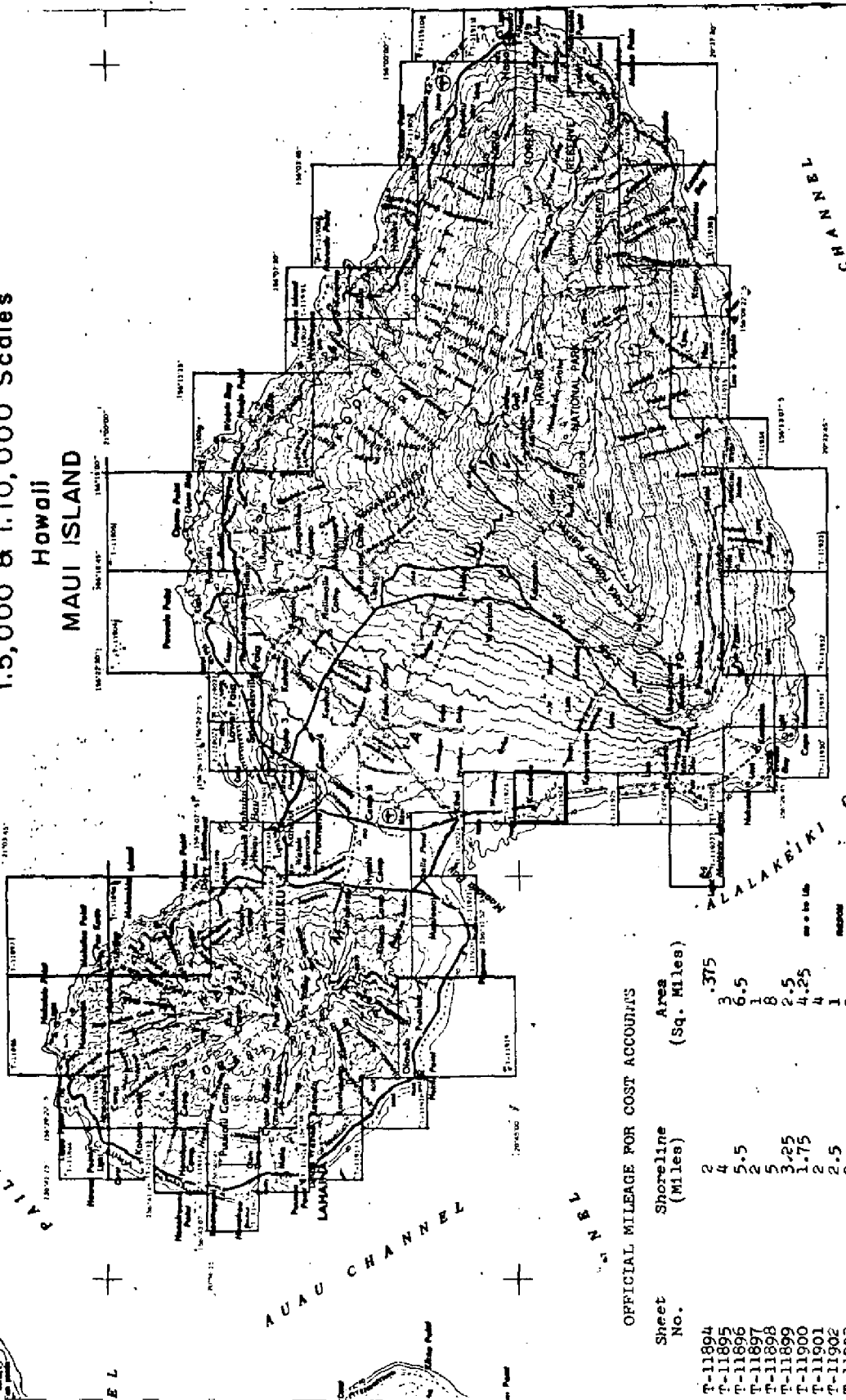
4.

COMPILATION RECORD	COMPLETION DATE	REMARKS
Shoreline furnished for hydro	March 1961	superseded
Final Compilation	Aug. 1963	

# Planometric 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	7.7	16
T-11910	2.75	.25
T-11911	2.7	3
T-11912	27	3
T-11913	2.2	4.5
T-11914	2.5	2.2
T-11915	2.5	4
T-11916	2.5	4
T-11917	27	2.6
T-11918	3	4
T-11919	4	6
T-11920	5	6

### OFFICIAL MILEAGE FOR COST ACCOUNTS

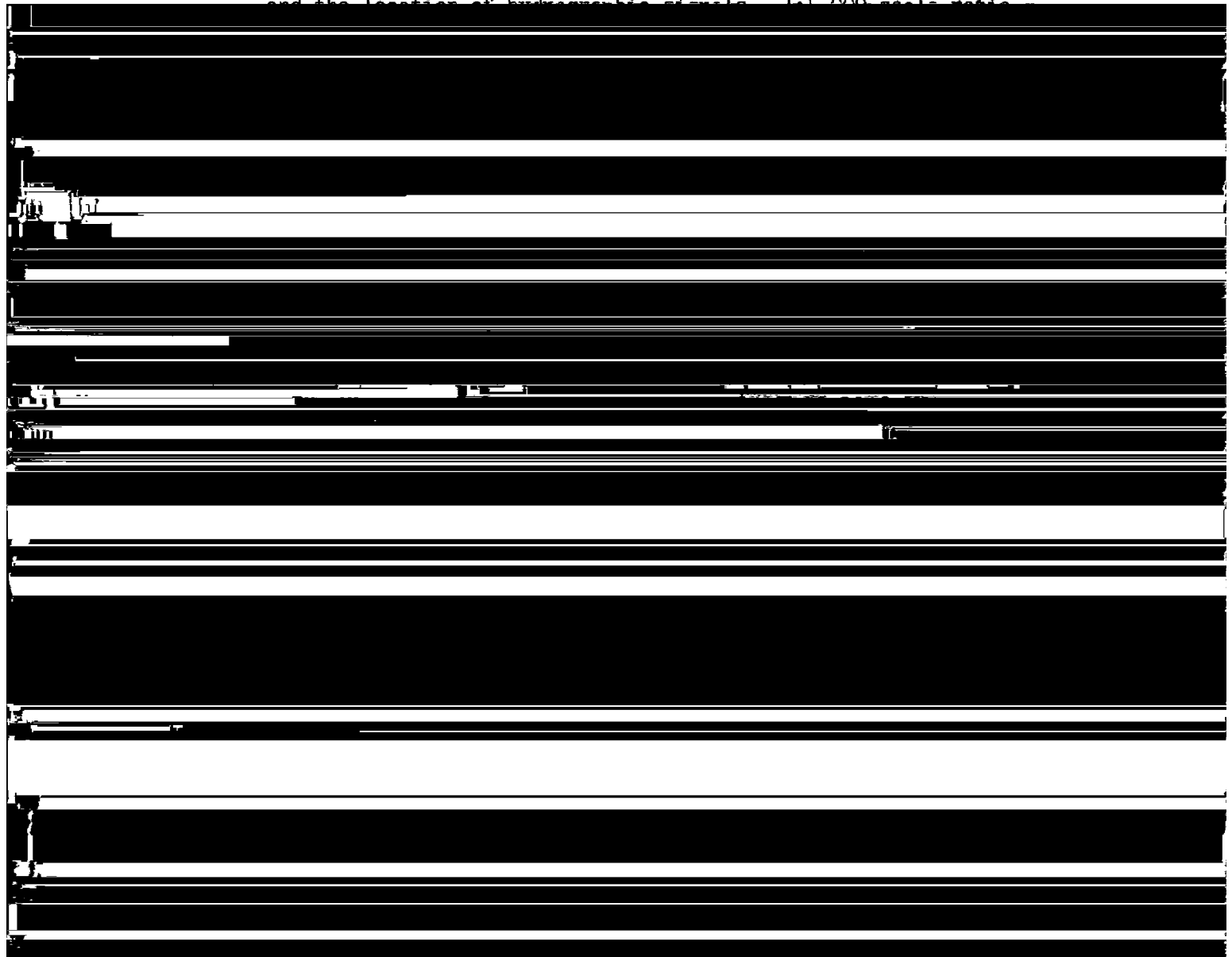
Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11922	3	3
T-11923	3	3
T-11924	2.5	2.5
T-11925	2.5	1.5
T-11926	2.5	1
T-11927	1	.04
T-11928	3	1.5
T-11929	4.5	3
T-11930	1.5	.25

### 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	5	3
T-11939	4.5	2.5
T-11940	2.5	2

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-11924

Shoreline manuscript T-11924 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 from 1:25,000 scale photography obtained 11 October 1960 and 24 September 1961. A cronaflex positive showing shoreline, alongshore detail and shoreline pass points was furnished for preparation of the hydrographer's boat sheet and the location of hydrographic signals. 1:5,000 scale map



FIELD INSPECTION REPORT  
T-11924

Please refer to the Field Inspection Report for Maui  
Island, Hawaii bound with the Descriptive Report for T-11894.



MAP T-11924

PROJECT NO. PH-6012

**SCALE OF MAP:**

Checked by 0805:06

Date:

Date\_

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: D. BRANT

DATE 11 July, 1963

CHECKED BY: R.F.C.

DATE 12 July, 1963

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT  
T-11924

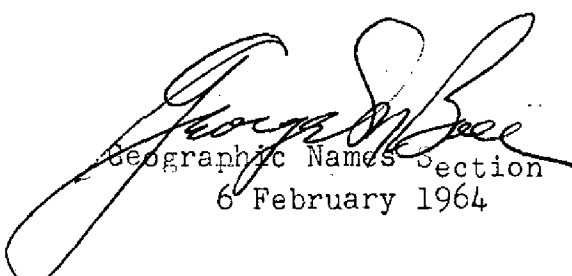
Please refer to the Photogrammetric Plot Report for the western half of Maui Island, dated March 1961, which is bound with the Descriptive Report for T-11894.

COMPILATION REPORT  
T-11924

Please refer to the Compilation Report bound with T-11919  
which covers the compilation of Map Manuscripts T-11919 through  
T-11930.

48. Geographic Names List

Kalama Park  
Kaluaihakoko  
Kamaole Beach Park  
Waimahaihai

  
Geographic Names Section  
6 February 1964

49. NOTES TO THE HYDROGRAPHER

The following photo-hydro stations, identified by the field inspection party, were located during compilation.

2401	Antenna Pole	60 W 2712
2402	S.W. corner of pavillion	60 W 2712
2403	Corner of seawall	60 W 2712
2404	Stone chimney	60 W 2712
2405	Northeast corner of concrete foundation	60 W 2712
2406	Northwest corner of old house	60 W 2712
2407	North water gable of house	60 W 2712
2408	North corner of foundation	60 W 2712

FORM 182 (2-61)		PHOTOGRAMMETRIC OFFICE REVIEW T- 11924		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS DMB		2. TITLE DMB		3. MANUSCRIPT NUMBERS DMB	
4. MANUSCRIPT SIZE DMB		5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY DMB		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE	
7. PHOTO HYDRO STATIONS DMB		8. BENCH MARKS NONE		9. PLOTTING OF SEXTANT FIXES NONE	
10. PHOTOGRAMMETRIC PLOT REPORT DMB		11. DETAIL POINTS DMB			
12. SHORELINE DMB		13. LOW-WATER LINE DMB		14. ROCKS, SHOALS, ETC. DMB	
15. BRIDGES NONE		16. AIDS TO NAVIGATION NONE		17. LANDMARKS NONE	
18. OTHER ALONGSHORE PHYSICAL FEATURES DMB		19. OTHER ALONGSHORE CULTURAL FEATURES DMB			
20. WATER FEATURES DMB		21. NATURAL GROUND COVER DMB			
22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOURS NONE			
24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE			
26. OTHER PHYSICAL FEATURES DMB		27. ROADS DMB		28. BUILDINGS DMB	
29. RAILROADS NONE		30. OTHER CULTURAL FEATURES DMB			
31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE			
33. GEOGRAPHIC NAMES DMB		34. JUNCTIONS DMB			
35. LEGIBILITY OF THE MANUSCRIPT DMB		36. DISCREPANCY OVERLAY DMB		37. DESCRIPTIVE REPORT DMB	
38. FIELD INSPECTION PHOTOGRAPHS DMB		39. FORMS DMB			
SIGNATURE OF REVIEWER For: D.M. Brant <i>Joseph Steinberg</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Joseph Steinberg</i>			
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 For: E.L. Rolle <i>Joseph Steinberg</i>		SIGNATURE OF SUPERVISOR <i>Joseph Steinberg</i>			

FIELD EDIT REPORT  
T-11924

Please refer to the Field Edit Report for Maui Island, Hawaii (strips 1 through 7) dated 17 August 1962 bound with the Descriptive Report for T-11894.

14.

REVIEW REPORT T-11924  
SHORELINE

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Planetable survey No. 3277, 1:20,000 scale, made in 1912 and approved March 30, 1914. Map manuscript T-11924 supersedes this prior planetable survey and should be used for future nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. quadrangle Puu O Kali, Hawaii, 1:24,000 scale, edition of 1954. The small islets, or rocks, shown off shore of Kamaole Beach on the U.S.G.S. quadrangle are not visible on any of the photography of the area.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8681-PF-10-2-62, 1:10,000 scale. The shoreline of the boat sheet was obtained from a reduction of map manuscript T-11924.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Charts 4104, 1:10,000 scale, 4th edition dated June 29, 1964 and with 4130, 1:80,000 scale, 4th edition dated August 31, 1964. The submerged rocks at latitude  $20^{\circ} 44' 50''$  longitude  $156^{\circ} 27' 40''$  and at latitude  $20^{\circ} 43' 50''$  longitude  $156^{\circ} 27' 20''$  on Chart 4130 are not visible on any photography of the area.



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

Approved by:

*J. C. Bull*  
J. C. Bull, CAPT.  
Atlantic Marine Center

Approved by:

*L. F. Woodward*  
Chief, Photogrammetry Division

*Charles L. Lamm*  
Chief, Cartographic Branch  
Photogrammetric SGB

Chief, Chart Division

Chief, Operations Division

