

11921

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-11921
LOCALITY	
State	Hawaii
General locality	Maui Island
Locality	McGregor Point
1960-1962	
CHIEF OF PARTY	
H. J. Seaborg - Honolulu District Office	
W. E. Randall - Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	1967

USCOMM-DC 5067

11921

0.5 W - 1960

DESCRIPTIVE REPORT - DATA RECORD

T-11921

PROJECT NO. (II):

PH-6012

FIELD OFFICE (II):

Honolulu District Office

CHIEF OF PARTY

H. J. Seaborg

PHOTOGRAMMETRIC OFFICE (III):

Baltimore District Office

OFFICER-IN-CHARGE

William 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):

~~MEAN SEA LEVEL EXCEPT AS FOLLOWS:~~ 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):

BOLD, 1900

LAT.:

20° 46' 53.466"

LONG.:

156° 31' 34.057"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y = 162,799.49

X = 548,008.04

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 (III): J. C. Lajoie		DATE: Feb. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Mean high water line located by Kelsh Plotter using October 5, 1960 photography and revised using the photography of 24 and 25 September 1961.		
PROJECTION AND GRIDS RULED BY (IV): RAC		DATE 6 Dec. 1960
PROJECTION AND GRIDS CHECKED BY (IV): JDC		DATE 6 Dec. 1960
CONTROL PLOTTED BY (III): D. M. Brant		DATE 18 April 1961
CONTROL CHECKED BY (III): H. P. Eichert		DATE 18 Dec. 1961
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Aerotriangulation - Washington Office		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III): D. M. Brant	PLANIMETRY D. M. Brant	DATE Feb. 1962
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): D. M. Brant		DATE Feb. 1962
SCRIBING BY (III): C. A. Lipscomb		DATE August 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): D. M. Brant		DATE August 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 2337 & 2338	5 Oct. 1960	0930	1:25,000	0.4 ft. above MLLW
60 W 2346	5 Oct. 1960	0932	1:25,000	0.3 ft. above MLLW
61 W 882 thru 884	24 Sept. 1961	0922	1:15,000	0.1 ft. above MLLW
61 W 1064	25 Sept. 1961	0918	1:15,000	0.4 ft. above MLLW

From Predicted Tide Tables

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Honolulu, Hawaii		1.2	1.9
SUBORDINATE STATION: Kihei, 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 (III):

4

RECOVERED:

1

IDENTIFIED:

*2

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

0

RECOVERED:

0

IDENTIFIED

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

7

REMARKS:

* Includes Temporary station established for control.

COMPILATION RECORD

COMPLETION DATE

REMARKS

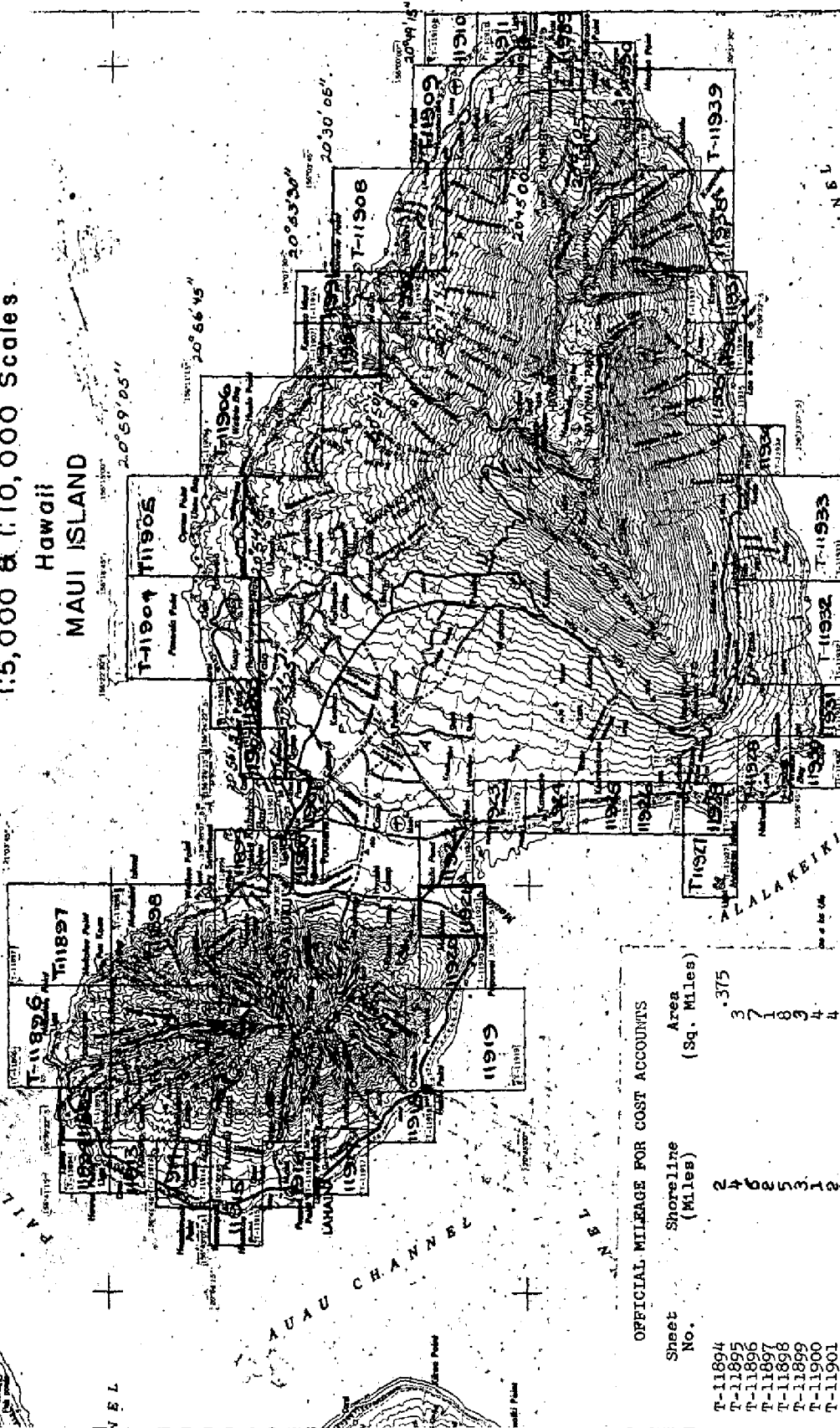
Shoreline furnished for hydro	5 Dec. 1961	Superseded
Shoreline revised from 1961 Photography	12 Feb. 1962	
Compilation Completed	Aug. 1963	

SHORELINE 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	3	.375
T-11895	7	
T-11896	1	
T-11897	8	
T-11898	3	
T-11899	4	
T-11900	4	
T-11901	4	
T-11902	1	
T-11903	2	
T-11904	6	
T-11905	4	
T-11906	10	
T-11907	8	
T-11908	6	
T-11909	16	.25
T-11910	2	
T-11911	3	
T-11912	5	
T-11913	2	
T-11914	4	
T-11915	4	
T-11916	3	

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11931	12	
T-11932	8	
T-11933	3	
T-11934	4	
T-11935	4	
T-11936	4	
T-11937	4	
T-11938	6	

CHANNEL 2-761

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11921

Shoreline survey T-11921 (1:5,000 scale) is one of 49 similar maps in this project. It covers a part of the coastline of Maui Island along the westerly shore of Maalaea Bay.

This was a stereoscopic instrument project in advance of hydrographic surveys to be made in the same area. Field operations preceding compilation included recovery and identification of horizontal control, field inspection and identification of photo-hydro signals.

The Stereoplanigraph was used for control extension. An adequate number of pass points were located for control of the models for Kelsh Plotter compilation methods. Compilation was at 1:5,000 scale and included the delineation of the mean high water line, alongshore detail, and the selection and identification of photo-hydro signals and pass points. A cronaflex copy was provided the hydrographer for preparation of the boat sheet. 1:5,000 scale ratio prints of the photography was subsequently provided for hydro-support purposes.

The manuscript is a vinylite sheet 2' 22.5" in latitude. by 1' 52.5" in longitude. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT

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

Date-----

Date:

SCALE FACTOR

[illegible]

DATE 17 July, 1962

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT

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

/s.

COMPILATION REPORT
T-11921

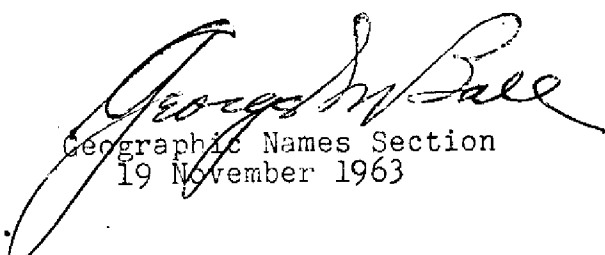
Please refer to the compilation Report, which covers the compilation of Map Manuscripts T-11919 through T-11930, which is bound with the Descriptive Report for T-11919.

11.
T-11921

48. Geographic Names List

Kanaie
Kapolu Spring
Keanapaakai

Maalaea
Maalaea Bay
Malalowaiolo Gulch
McGregor Point


Geographic Names Section
19 November 1963

49. NOTES TO THE HYDROGRAPHER

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

2101	Red rag on bush at fork in path	60 W 2338
2102	South gable tan house, brown ridge pole	60 W 2338
2103	Flagpole, center of cupole of club house	60 W 2338
2104	Vertical shaft on derrick	60 W 2338
2105	West gable of warehouse	60 W 2338
2106	corner of low seawall	60 W 2337
2107	West end of concrete revetment	60 W 2337

FORM 52 50		PHOTOGRAMMETRIC OFFICE REVIEW T-11921		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. SECTION AND SUBSECTION DMB		2. TITLE DMB		3. MANUSCRIPT NUMBERS DMB	4. MANUSCRIPT SIZE DMB
5. CONTROL STATIONS	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. LONGSHORE AREAS (Nautical Chart Date)	12. SHORELINE DMB	13. LOW-WATER LINE DMB	14. ROCKS, SHOALS, ETC. DMB	15. BRIDGES NONE	
	16. AIDS TO NAVIGATION NONE	17. LANDMARKS DMB	18. OTHER ALONGSHORE PHYSICAL FEATURES DMB		
	19. OTHER ALONGSHORE CULTURAL FEATURES DMB				
20. PHYSICAL FEATURES	20. WATER FEATURES DMB		21. NATURAL GROUND COVER DMB		
	22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOUR INAPPLICABLE		
	24. CONTOURS IN GENERAL INAPPLICABLE		25. SPOT ELEVATIONS NONE		
	26. OTHER PHYSICAL FEATURES DMB				
27. CULTURAL FEATURES	27. ROADS DMB	28. BUILDINGS DMB	29. RAILROADS NONE		
	30. OTHER CULTURAL FEATURES DMB				
31. BOUNDARIES		32. PUBLIC LAND LINES			
NONE		NONE			
33. MISCEL- LANEOUS	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 <i>Joseph Steinberg, For D.M. Brant</i>			SIGNATURE OF SUPERVISOR <i>Joseph Steinberg</i>		

FIELD EDIT REPORT

Please refer to the Field Edit Report for Maui Island
(Strips 1 through 7) bound with the Descriptive Report for
T-11894.

101.

REVIEW REPORT T-11921
SHORELINE
February 11, 1966

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Planetable Survey No. 2462, 1:10,000 scale, made in 1900. The Maalaea small boat harbor is not shown on this survey. Map manuscript T-11921 supersedes this prior survey and should be used for all future nautical chart constructions.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. quadrangle Maalaea, Hawaii 1:24,000 scale, edition of 1954. The small island at Latitude $20^{\circ} 47' 36''$ Longitude $156^{\circ} 30' 56''$ shown on this map no longer exists.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8582 (SU-05-3-61). The shoreline of the boat sheet was obtained from a cronaflex copy of the map manuscript.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4104, 1:10,000 scale, 4th edition, revised June 29, 1964. The privately maintained fixed aids to navigation in Maalaea small boat basin were not shown on this manuscript.

The wreck located at Latitude $20^{\circ} 47' 36''$ Longitude $156^{\circ} 30' 51''$ is not visible on photograph 61 W 883 or any other photographs of the area.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standard of Map Accuracy.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Bull
J. Bull
Director, Atlantic Marine Center

Approved by:

L. F. Woodcock
Chief, Photogrammetry Division

Charles L. Lauer
Chief, Cartographic Branch ^{SEA}
Photogrammetric

Chief, Chart Division

Chief, Operations Division

~~NONFLOATING AIDS OR LANDMARKS FOR CHARTS-~~

STRIKE OUT TWO

Norfolk, Virginia

11 February 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

Leo F. Beugnet
Leo F. Beugnet

Joseph Steinberg Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating 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.

*** TABULATE SECONDS AND METERS**

