

11925

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-11925

LOCALITY

State Hawaii

General locality Maui Island

Locality Keawakapu

1960 - 1962

CHIEF OF PARTY

H. J. Seaborg - Honolulu District Office
Wm. E. Randall - Baltimore District Office

LIBRARY & ARCHIVES

DATE 1967

USCOMM-DC 5087

11925

5,550

10-1962

DESCRIPTIVE REPORT - DATA RECORD

T -11925

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~~ MEAN HIGH 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):

KAMOEA, 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.

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 located by Kelsh Plotter using the October 11, 1960 photography and revised using photography of September 24, 1961.		
PROJECTION AND GRIDS RULED BY (IV):		DATE
RAC		21 Nov. 1960
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
JDC		22 Nov. 1960
CONTROL PLOTTED BY (III):		DATE
D. M. Brant		21 Apr. 1961
CONTROL CHECKED BY (III):		DATE
E. L. Rolle		21 Apr. 1961
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
Aerotriangulation - Washington Office		Jan. 1961
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	D. M. Brant	Feb. 1962
D. M. Brant	CONTOURS	DATE
	Inapplicable	
MANUSCRIPT DELINEATED BY (III):		DATE
D. M. Brant		Feb. 1962
SCRIBING BY (III):		DATE
C. A. Liscomb		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 2713	11 Oct. 1960	0902	1:25,000	0.5 ft. above MHW
61 W 951 thru 953	24 Sept. 1961	1128	1:15,000	0.5 ft. above MLW

From predicted tide tables

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Honolulu, Hawaii		1.2	1.9
SUBORDINATE STATION: Makena		1.5	2.1
SUBORDINATE STATION:			

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

DATE:

Mar. 1966

PROOF EDIT BY (IV):

DATE:

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):

4

REMARKS:

COMPILATION RECORD

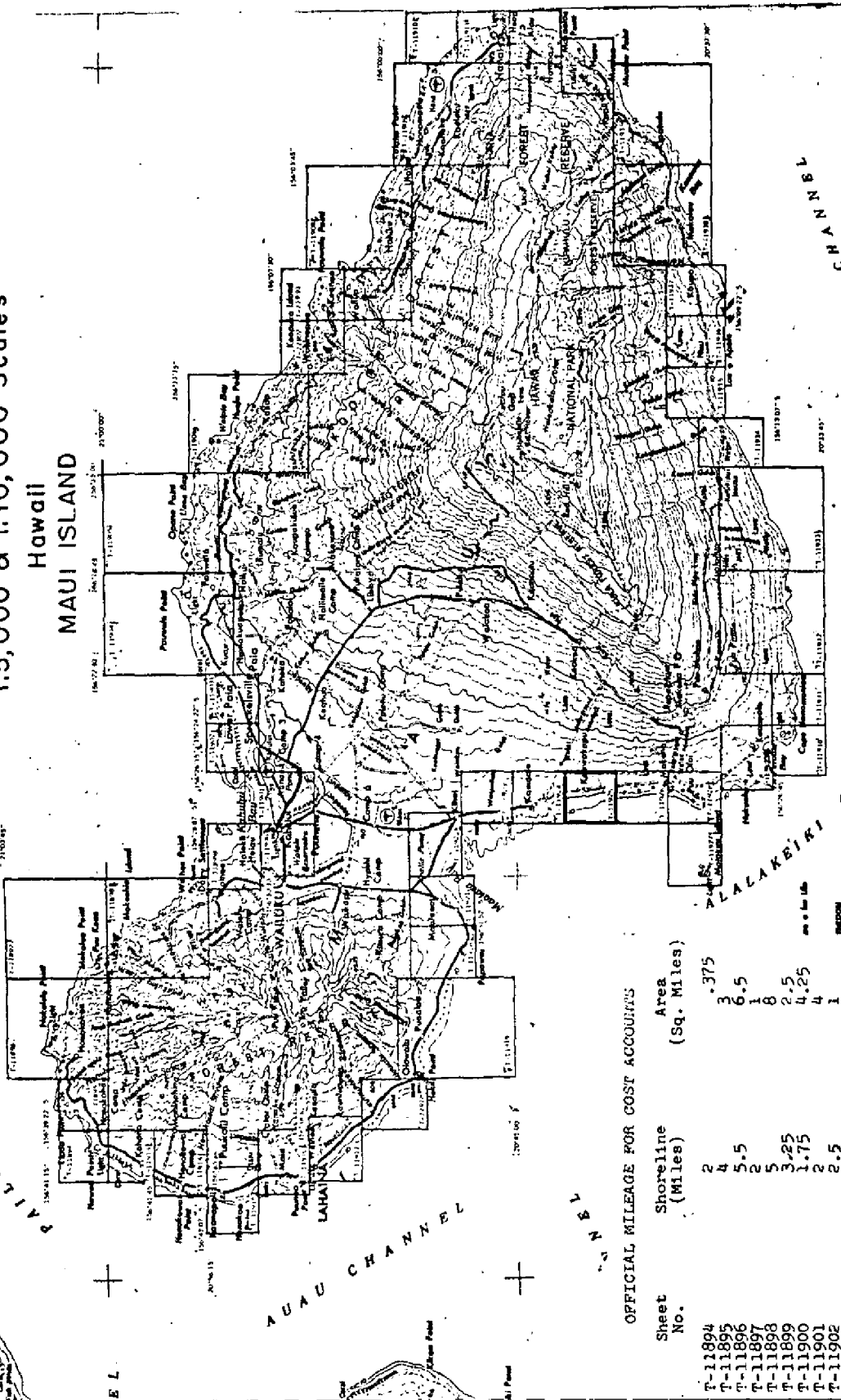
COMPLETION DATE

REMARKS

Alongshore area for hydro	Feb. 1962	superseded
Field edit applied Compilation completed	Aug. 1963	

PROJECT: PH-6012 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	3.375
T-11895	4	3
T-11896	5.5	6.5
T-11897	2	1.8
T-11898	5	2.5
T-11899	3.25	4.25
T-11900	1.75	4
T-11901	2	1
T-11902	2.5	2
T-11903	2	1
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	2.75	2
T-11911	2.7	3
T-11912	2.7	3
T-11913	2.2	4.5
T-11914	2.5	2.2
T-11915	2.5	4
T-11916	2.5	2.6
T-11917	2.7	2.6

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11922	3	3
T-11923	2	3
T-11924	2.5	3
T-11925	2.5	2.5
T-11926	2.5	1.5
T-11927	1	1
T-11928	3	1.04
T-11929	4.5	1.5

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	4
T-11938	5	6

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11925

Shoreline manuscript T-11925 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 filed inspection. The Kelsh compilation was at 1:5,000 scale from 1:25,000 scale photography obtained 11 October 1960 and 24 September 1961. 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 from 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-11925

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

PHOTOGRAMMETRIC PLOT REPORT
T-11925

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.

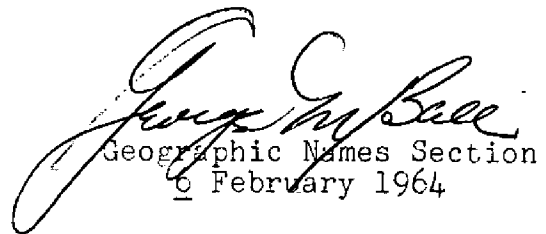
COMPILATION REPORT
T-11925

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

T-11925

48. Geographic Names List

Keawakapu
Liilioholo.


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.

2501	North gable of house	60 W 2713
2502	West corner of pillbox	60 W 2713
2503	North white chimney	60 W 2713
2504	Rag on inshore bush	60 W 2713

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY		
50		T-11925				
1. SECTION AND MAIDS		2. TITLE		3. MANUSCRIPT NUMBERS		
DMB		DMB		DMB		
4. MANUSCRIPT SIZE		DMB		DMB		
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS)			
	DMB		NONE			
	7. PHOTO HYDRO STATIONS	8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT		
	DMB	NONE	NONE	DMB		
11. DETAIL POINTS						
DMB						
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE		13. LOW-WATER LINE		14. ROCKS, SHOALS, ETC.	
	DMB		DMB		DMB	
	15. BRIDGES		16. AIDS TO NAVIGATION		17. LANDMARKS	
	NONE		NONE		DMB	
18. OTHER ALONGSHORE PHYSICAL FEATURES						
DMB						
PHYSICAL FEATURES	20. WATER FEATURES			21. NATURAL GROUND COVER		
	DMB			DMB		
	22. PLANETABLE CONTOURS			23. STEREOSCOPIC INSTRUMENT CONTOURS		
	NONE			NONE		
	24. CONTOURS IN GENERAL			25. SPOT ELEVATIONS		
NONE						
26. OTHER PHYSICAL FEATURES						
DMB						
CULTURAL FEATURES	27. ROADS		28. BUILDINGS		29. RAILROADS	
	DMB		DMB		NONE	
30. OTHER CULTURAL FEATURES						
DMB						
BOUNDARIES	31. BOUNDARY LINES			32. PUBLIC LAND LINES		
	NONE			NONE		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES			34. JUNCTIONS		
	DMB			DMB		
	35. LEGIBILITY OF THE MANUSCRIPT		36. DISCREPANCY OVERLAY		37. DESCRIPTIVE REPORT	
	DMB		DMB		DMB	
38. FIELD INSPECTION PHOTOGRAPHS			39. FORMS			
DMB			DMB			
SIGNATURE OF REVIEWER			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT			
For: D.M. Brant <i>Joseph Steinberg</i>			<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			SIGNATURE OF SUPERVISOR			
For: D.M. Brant <i>Joseph Steinberg</i>			<i>Joseph Steinberg</i>			

FIELD EDIT REPORT
T-11925

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

14.

REVIEW REPORT T-11925
SHORELINE

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with copies of Registered plane-table surveys No. 2679, 1:10,000 scale made in 1904-1905, approved May 10, 1905 and with No. 3277, 1:20,000 scale made in 1912, approved March 30, 1914.

This manuscript supersedes these prior surveys and should be used for all future nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. quadrangles Puu O Kali and Makena, Hawaii, each at 1:24,000 scale and editions of 1954.

The small islands located just offshore of the MHWL on the Puu O Kali quadrangle between Liliioholo and Keawakapu are not visible on any of the photographs which cover the area.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8681-PF-10-2-62. The shoreline for the boat sheet was obtained from a cronaflex reduction of the Advance Map Manuscript.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4130, 1:80,000 scale, 4th edition, August 31, 1964. The two following items shown on the chart do not appear on photography of the area.

	Latitude	Longitude
Pier	20° 42' 27"	156° 26' 28"
fish haven (obstr.)	20° 42' 00"	156° 27' 24"

15.
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. Woodcock Charles Lemer
Chief, Photogrammetry Division Chief, Cartographic Branch
Photogrammetric 448

Chief, Chart Division

Chief, Operations Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11925

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]