

11918

Diag. Cht. No. 4116.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>SHORELINE (Photogrammetric)</u>	
Field No. <u>Ph-6012</u>	Office No. <u>T-11918</u>
LOCALITY	
State <u>Hawaii</u>	
General locality <u>Maui Island</u>	
Locality <u>Olowalu-Launiupoko Point</u>	
<u>1960-1961</u>	
CHIEF OF PARTY	
H. J. Seaborg, Honolulu District Office	
Wm. E. Randall, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE <u>1967</u>	

USCOMM-DC 5087

10/5/67 - 11/67

11918

DESCRIPTIVE REPORT - DATA RECORD

T-11918

PROJECT NO. (II):

PH-6012

FIELD OFFICE (III):

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 NOTED: 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):

LAHAINA SOUTHEAST BASE, 1950

LAT.:

20° 50' 26.725"

LONG.:

156° 39' 07.390"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y =

184,294.63

X =

504,990.12

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. Lajoye		DATE: Feb. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Mean high water located by Kelsh Plotter using the October 5, 1960 photography aided by field inspection notes.		
PROJECTION AND GRIDS RULED BY (IV): RAC		DATE 6 Dec. 1960
PROJECTION AND GRIDS CHECKED BY (IV): JDC		DATE 7 Dec. 1960
CONTROL PLOTTED BY (III): D. M. Brant		DATE 6 Mar. 1961
CONTROL CHECKED BY (III): E. L. Rolle		DATE 6 Mar. 1961
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Aerotriangulation - Washington Office		DATE Jan 1961
STEREOSCOPIC INSTRUMENT COMPILATION (III): E. L. Rolle	PLANIMETRY E. L. Rolle	DATE April 1961
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): L. A. Senasack		DATE Nov. 1961
SCRIBING BY (III): C. A. Liscomb		DATE July 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): D. M. Brant		DATE July 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 2364 & 2365	5 Oct. 1960	0950	1:25,000	0.3 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
ORDINATE STATION: Kihel 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):

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):

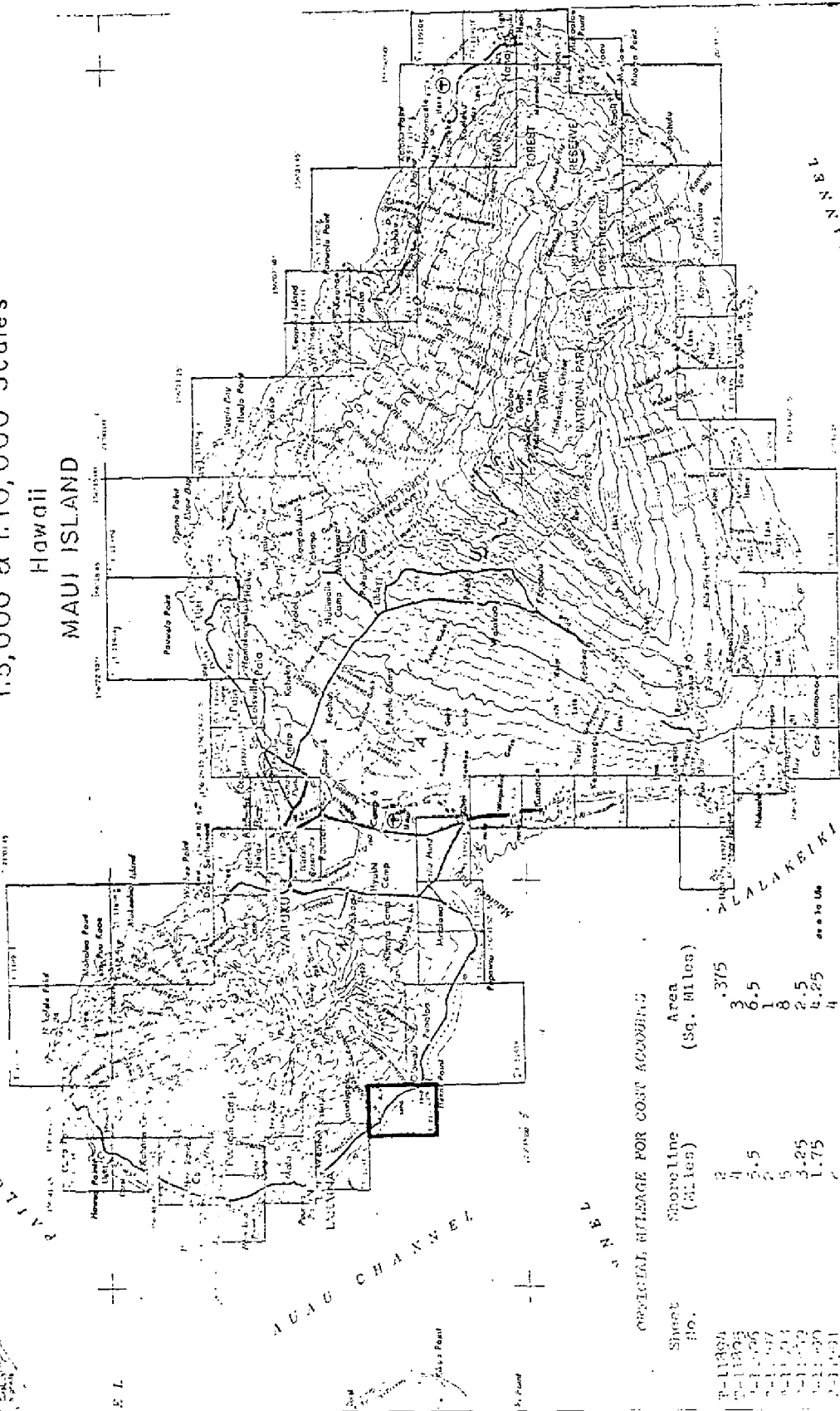
2

REMARKS:

COMPILATION RECORD	COMPLETION DATE	REMARKS
Shoreline furnished for hydro	April 28, 1961	superseded
shoreline revised	Dec. 5, 1961	superseded
Final Compilation	June, 1963	

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

Hawaii MAUI ISLAND



OFFICIAL MILEAGE FOR COST ACCOUNTING

Sheet No. Shoreline (Miles) Area (Sq. Miles)

T-11304	3	.375	
T-11305	4	3	
T-11306	5.5	6.5	
T-11307	2	1	
T-11308	5	8	
T-11309	3.25	2.5	
T-11310	1.75	4.25	
T-11311	2.5	4	
T-11312	2.5	3	
T-11313	2	2	
T-11314	5	6	
T-11315	5.5	4	
T-11316	7	10	
T-11317	4.7	7.8	
T-11318	4.7	6	
T-11319	2.7	16	
T-11320	2.7	2	
T-11321	2.7	3	
T-11322	2.7	4.5	
T-11323	2.7	2	
T-11324	2.7	4	
T-11325	2.7	4.6	
T-11326	2.7	3	

OFFICIAL MILEAGE FOR COST ACCOUNTING

Sheet No. Shoreline (Miles) Area (Sq. Miles)

T-11327	3	3	
T-11328	3	3	
T-11329	3	3	
T-11330	3	3	
T-11331	3	3	
T-11332	3	3	
T-11333	3	3	
T-11334	3	3	
T-11335	3	3	
T-11336	3	3	
T-11337	3	3	
T-11338	3	3	
T-11339	3	3	
T-11340	3	3	
T-11341	3	3	
T-11342	3	3	
T-11343	3	3	
T-11344	3	3	
T-11345	3	3	
T-11346	3	3	
T-11347	3	3	
T-11348	3	3	
T-11349	3	3	
T-11350	3	3	

OFFICIAL MILEAGE FOR COST ACCOUNTING

Sheet No. Shoreline (Miles) Area (Sq. Miles)

T-11351	2.5	2.5	1.5
T-11352	2.5	2.5	1.5
T-11353	2.5	2.5	1.5
T-11354	2.5	2.5	1.5
T-11355	2.5	2.5	1.5
T-11356	2.5	2.5	1.5
T-11357	2.5	2.5	1.5
T-11358	2.5	2.5	1.5
T-11359	2.5	2.5	1.5
T-11360	2.5	2.5	1.5
T-11361	2.5	2.5	1.5
T-11362	2.5	2.5	1.5
T-11363	2.5	2.5	1.5
T-11364	2.5	2.5	1.5
T-11365	2.5	2.5	1.5
T-11366	2.5	2.5	1.5
T-11367	2.5	2.5	1.5
T-11368	2.5	2.5	1.5
T-11369	2.5	2.5	1.5
T-11370	2.5	2.5	1.5

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11918

Shoreline map T-11918 (1:5,000 scale) is one of 49 similar maps in Project PH-6012. It covers a part of the westerly shore of Maui Island, Hawaii from Latitude $20^{\circ} 48' 30''$ northwestward to Latitude $20^{\circ} 50' 37.5''$.

This was a stereoscopic instrument project in advance of hydrographic surveys to be made in the same area. The Stereoplanigraph was used for the bridging of horizontal control and to establish adequate pass points for the setting of models on the Kelsh Plotter.

Field operations preceding compilation included the recovery and identification of horizontal control, selection of hydrographic signals and field inspection.

The Kelsh compilation was at 1:5,000 scale, from which a film positive showing shoreline, alongshore detail and photo-hydro signals was furnished for preparation of the boat sheet. Ratio photographs were provided for locating additional hydrographic signals.

The map is a vinylite sheet $2' 22.5''$ in latitude by $1' 52.5''$ in longitude. A cronar positive and a cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
T-11918

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

MAP T-11918

PROJECT NO. PH-6012

SCALE OF MAP

Checked by
1:5,000

Date: _____

Date 1.000
SCALE FACTOR 1.000[illegible]

1 FT. = 3048006 METER

1 FT. = 3048006 METER
COMPUTED BY: J.C. Richter

DATE 12 July, 1962

CHECKED BY: D.M. Brant

DATE 17 July, 1962

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT
T-11918

Please refer to the Photogrammetric Plot Report for Maui
Island, Hawaii dated March 1961 bound with the Descriptive Report
for T-11894.

COMPILATION REPORT
T-11918

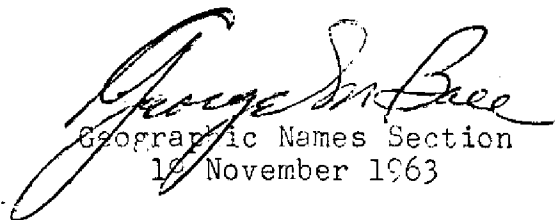
Please refer to the Compilation Report bound with the Descriptive Report for T-11913 which covers the compilation of map manuscripts T-11913 through T-11918.

T-11918

48. Geographic Names List

Launiupoko Point
Launiupoko Stream

Olowalu
Olowalu Stream


Geographic Names Section
19 November 1963

49. NOTES TO THE HYDROGRAPHER

The following hydrographic signals, identified by the field inspection party, were located during compilation.

1801	Lone palm	60 W 2353
1802	West corner of bridge rail	60 W 2353

FORM 182 (8-61)		PHOTOGRAMMETRIC OFFICE REVIEW T-11918		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 DMB	
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 Inapplicable			
24. CONTOURS IN GENERAL Inapplicable		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 D. M. Brant <i>Joseph Steinberg</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>Joseph Steinberg</i>		SIGNATURE OF SUPERVISOR <i>Joseph Steinberg</i>		USE REVERSE SIDE FOR REMARKS	

FIELD EDIT REPORT
T-11918

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-11918
SHORELINE
February 7, 1966

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Planetable Survey No 3268, 1:20,000 scale, made in 1912, registered March 30, 1914 and with Registered Survey No. 4320, 1:10,000 scale, dated October-November 1923.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

COMPARISON WAS MADE WITH U.S.G.S. Quadrangles Lahaina and Olowalu, Hawaii editions of 1956 and 1955 respectively, and each at 1:24,000 scale. The maps are in good agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of boat sheet H-8580 (SU-10-5-61), 1:10,000 scale.

The shoreline of the boat sheet was obtained from a reduction of the map manuscript and there were no discrepancies in the shoreline or alongshore detail.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4130, 1:80,000 scale, 4th edition, dated August 31, 1964. The chart shows submerged rocks, off shore of the mean high water line, between latitudes $20^{\circ} 50' 12''$ and $20^{\circ} 50' 48''$. These rocks do not appear on the boat sheet or manuscript nor are they visible on photographs 60 W 2354 and 2355 obtained 5 October 1960 with the stage of the tide at 0.3 ft. above mean lower low water.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Leo F. Beugnot

Approved by:

J. Hill
J. Hill
Atlantic Marine Center

Approved by:

L. F. Woodcock
Chief, Photogrammetry Division

Charles Leman
Chief, Cartographic Branch
Photogrammetric 56B

Chief, Chart Division

Chief, Operations Division

