

11933

Diag. Cht. No. 4116.

<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <p>DESCRIPTIVE REPORT</p>
<p>Type of Survey <u>SHORELINE (PHOTOGRAMMETRIC)</u></p> <p>Field No. <u>Ph-6012</u> Office No. <u>T-11933</u></p>
<p>LOCALITY</p> <p>State <u>Hawaii</u></p> <p>General locality <u>Maui Island</u></p> <p>Locality <u>Wekeke Point - Nakaohu Point</u></p>
<p><u>1960 - 1963</u></p> <p>CHIEF OF PARTY</p> <p><u>H. J. Seaborg, Honolulu District Office</u></p> <p><u>W. E. Randall, Baltimore District Office</u></p>
<p>LIBRARY & ARCHIVES</p> <p>DATE <u>1967</u></p>

USCGM-DC 5087

11933

10550

10,200 - 753

DESCRIPTIVE REPORT - DATA RECORD

T -11933

PROJECT NO. (II):

PH-6012
(21034)

FIELD OFFICE (II):

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):

1:10,000

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): *M.L.H.W.*~~MEAN SEA LEVEL~~ EXCEPT AS FOLLOWS:

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):

SHORE D (HGS), 1881, 1950

LAT.:

20° 35' 12.118"

LONG.:

156° 18' 04.999"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 92,160.31'

X = 624,938.01'

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): J. C. Lajoie		DATE: Dec. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Mean High Water Line located by Kelsh operator from 1960 photography with field annotations supplemented by 1962 panchromatic and color photography		
PROJECTION AND GRIDS RULED BY (IV): R.A.C.		DATE 12/1/60
PROJECTION AND GRIDS CHECKED BY (IV): J.D.C.		DATE 12/6/60
CONTROL PLOTTED BY (III): L. A. Senasack		DATE 2/26/62
CONTROL CHECKED BY (III): L. O. Neterer		DATE 2/26/62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. E. Fuechsel		DATE 2/62
STEREOSCOPIC INSTRUMENT COMPILATION (III): D. M. Brant	PLANIMETRY D. M. Brant	DATE 4/9/62
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): L. A. Senasack		DATE 4/62
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): D. M. Brant		DATE 4/62
REMARKS: F.E. 1963		

COMPILATION RECORD

COMPILATION DATE

REMARKS

Shoreline furnished for hydro	March 1962	Superseded
Compilation completed	Dec. 1963	

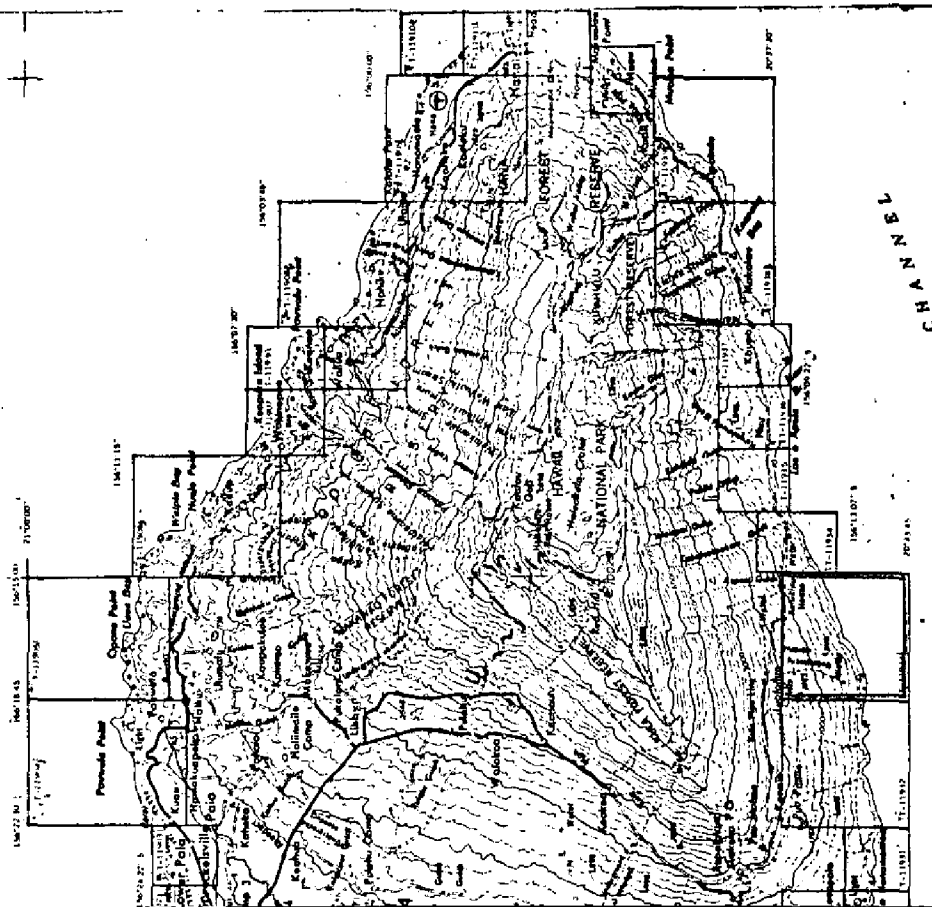
PROJECT PH-6012

Planimetric Mapping

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

Hawaii

MAUI ISLAND



CHANNEL

LEAGE FOR COST ACCOUNTS			OFFICIAL MILEAGE FOR COST ACCOUNTS		
Shoreline (Miles)	Area (Sq. Miles)	Sheet No.	Shoreline (Miles)	Area (Sq. Miles)	Sheet No.
3	3	T-11931	2.5	1.5	
2.5	3	T-11932	4.5	12	
2.5	2.5	T-11933	5	8	
2.5	1.5	T-11934	2.7	3	
1	1	T-11935	2.5	4	
1	1.04	T-11936	5	4	
3	1.5	T-11937	5	6	
4.5	3	T-11938	4.5	3	
		T-11939			

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11933

Shoreline manuscript T-11933 is one of forty-nine similar maps in this project and covers a part of the south coast of Maui Island, Hawaii. This was a Kelsh project in advance of hydrographic surveys in the area. The field operations preceding compilation included the recovery and identification of horizontal control and field inspection. The Kelsh compilation was at 1:10,000 scale from 1:25,000 scale photography obtained October 2nd and 8th 1960. A cronaflex positive showing shoreline, alongshore features and shoreline pass-points was furnished for the preparation of the hydrographer's boat sheet. 1:10,000 scale ratio prints were sub-

FIELD INSPECTION REPORT T-11933

Please refer to the Field Inspection Report for Maui
Island bound with T-11931.

SCALE FACTOR 1.000...

1 FT. - 3048006 MEAS COMPUTED BY: Brant	DATE July, 1962	CHECKED BY: I. O. S.	DATE 20 March, 1962	COMM. DC- 57843
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PHOTOGRAMMETRIC PLOT REPORT
T-11933

Please refer to the Photogrammetric Plot Report for Maui Island (East half), dated February 1962, which is bound with the Descriptive Report for T-11931.

COMPILATION REPORT T-11933

ITEMS 31 THRU 36

Refer to Compilation Report for T-11931

37. LANDMARKS AND AIDS

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

38. CONTROL FOR FUTURE SURVEYS

No Control for future surveys was established.

39. JUNCTIONS

Satisfactory junctions were made with T-11932 on the west and T-12934 on the east. There is no contemporary survey on the north; Alenuihaha Channel is on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to Photogrammetric Plot Report bound with T-11894.

46. COMPARISON WITH EXISTING MAPS

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

47. COMPARISON WITH NAUTICAL CHARTS

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

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. Bull

J. Bull
Capt. C&GS

Norfolk Regional Officer

GEOGRAPHIC NAMES

Ph 6012

T-11933

T-11934

TTTTT

Kahaleaimakani Gulch

Kahawaihapapa Point

Kahikinui House

Kepuni Gulch

* Kiakeana Point

Manawainui Gulch

* Nakaohu Point

Palaha Gulch

Pukai Gulch

* Wekea Point

These Names Not Separated
by T Number.

Frank W. Pickett
 All Names Approved
 by Office of Geography

Approved 1-20-66
A. J. Wright

** Appear on this manuscript*

49. NOTES FOR THE HYDROGRAPHER

The positions of the following photo-hydro signals, identified by the field inspection party, were established during compilation.

3301	Flag at N.W. corner of old foundation	60 W 2289
3302	Flag at S.W. corner of old foundation	60 W 2289
3303	Flag at S.E. corner of old foundation	60 W 2290
3304	Flag at S.W. corner of old heiau	60 W 2290
3305	Flag at N.E. corner of old wall	60 W 2290
3306	Flag at S.E. corner of old wall	60 W 2290
3307	Flag at west end of wall	60 W 2290
3308	Flag at S.E. corner of grave	60 W 2290
3309	Flag at S.W. corner U shaped wall	60 W 2292
3310	Flag at S.W. corner of old corral	60 W 2292

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T-11933		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
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				
ALONGSHORE AREAS (Nautical Chart Data)	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				
PHYSICAL FEATURES	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				
CULTURAL FEATURES	27. ROADS DMB	28. BUILDINGS DMB		29. RAILROADS NONE	
	30. OTHER CULTURAL FEATURES DMB				
BOUNDARIES	31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE		
MISCELLANEOUS	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>		
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 <i>Joseph Steinberg</i>		

FIELD EDIT REPORT
T-11933

No formal field edit report was received. Please refer to the letter, dated July 8, 1963, concerning field edit of this manuscript a copy of which is the following page of this report.

[REDACTED]

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

FROM : Commanding Officer
USC&GSS Pathfinder
705 Federal Office Building
Seattle, Washington

DATE: 8 July 1963

REVIEW REPORT T-11933
SHORELINE
March 18, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with a copy of Registered Planetable Survey No. 3276, made in 1912 at 1:20,000 scale and approved March 30, 1914. There are no major changes in the shoreline between the two surveys, however, the shoreline located photogrammetrically is more depictive of the coastline.

Map manuscript T-11933 supersedes the planetable survey 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. quadrangle Lualailua Hills Hawaii, 1:24,000 scale edition of 1957. The shoreline of the two maps are in good general agreement although the U.S.G.S. quadrangle does not show the alongshore features in detail.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None. See notes to Verifier.

65. COMPARISON WITH NAUTICAL CHARTS

Chart 4116 is the largest scale (1:250,000) chart that covers the area. The shoreline is necessarily generalized because of the scale. A visual comparison with this chart revealed no noteworthy discrepancies.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

There are no offshore features for investigation by future surveys.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Bull
J. Bull
Director, Atlantic Marine Center

Approved by:

Charles J. Hemm
Chief, Cartographic Branch
Photogrammetric

Chief, Chart Division

L. J. Woodcock
Chief, Photogrammetry Division

Chief, Operations Division

NOTES TO VERIFIER

No contemporary hydrographic survey, in the area of this manuscript, was available at the time of Final Review.

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11933

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]