

T-11897

T-11897

T-11897

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (Photogrammetric)
Field No.	T-11897
Office No.	
LOCALITY	
State	HAWAII
General locality	MAUI ISLAND
Locality	KAHAKULOA BAY
1960 - 1962	
CHIEF OF PARTY	
H. J. Seaborg - Honolulu District Office	
Wm. E. Randall - Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	

USCOM-OC 5087

DESCRIPTIVE REPORT - DATA RECORD

T-11897

PROJECT NO. (II): PH-6012 (21034)		
FIELD OFFICE (III): 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 pantograph 1:10,000
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): <i>MHW</i> 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): KAHAKULOA (HGS) (HTS 1929), 1882		
LAT.: 21° 00' 15.574"	LONG.: 156° 32' 53.455"	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): Y = 243,719.45' X = 540,414.41'		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 (II): J. C. Lajoie		DATE: March 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Mean high water line located by Kelsh Plotter from 1960 photography.		
PROJECTION AND GRIDS RULED BY (IV): R.A.C.		DATE 9 Nov. 1960
PROJECTION AND GRIDS CHECKED BY (IV): J.D.C.		DATE 22 Nov. 1960
CONTROL PLOTTED BY (III): H. P. Eichert		DATE 7 Feb. 1961
CONTROL CHECKED BY (III): D. M. Brant		DATE 7 Feb. 1961
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Washington Office, Aerotriangulation		DATE 1960
STEREOSCOPIC INSTRUMENT COMPILATION (III): J. D. Mc Evoy	PLANIMETRY J. D. Mc Evoy	DATE 6-7-61
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): J. D. Mc Evoy		DATE 7-61
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): D. M. Brant		DATE 7-61
REMARKS: * FIELD EDIT 1962 J.C. Lajoie		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
No Photograph centers fall within the limits of this survey.				
60 W 2618 THRU 60 W 2620	10 OCT. 1960	0925	1:25,000	ft. 0.4 above MHW

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Honolulu, Hawaii		1.2	1.9
SUBORDINATE STATION: Kahului, Hawaii		1.4	2.2
SUBORDINATE STATION:			

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

DATE:
April 14, 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

0

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

None

RECOVERED:

None

IDENTIFIED

None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

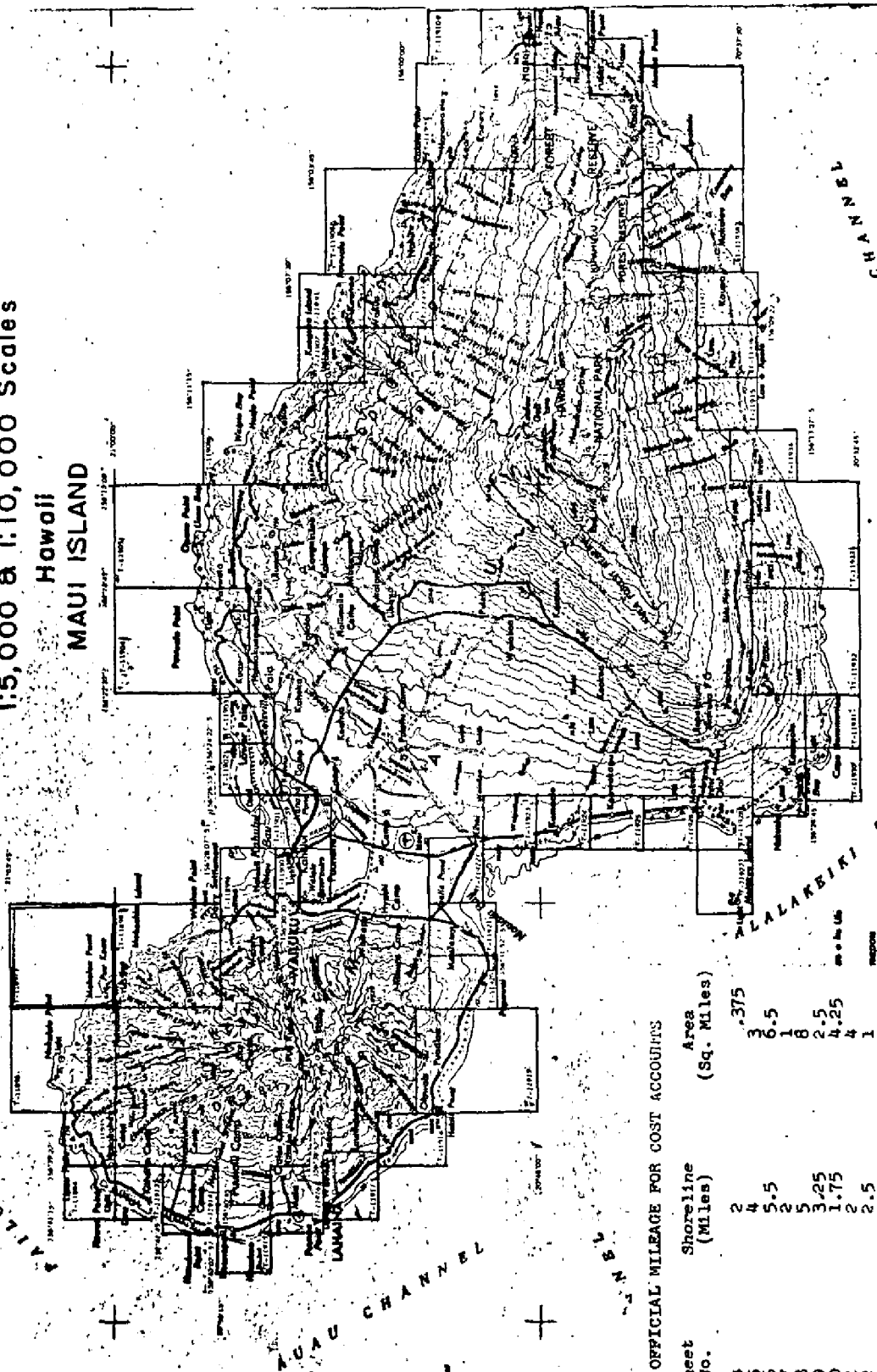
None

REMARKS:

COMPILATION RECORD	COMPLETION DATE	REMARKS
Shoreline furnished for hydro	July 1961	Superseded
Final compilation completed	Sept. 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	.375
T-11895	4	3
T-11896	5.5	6.5
T-11897	3	1
T-11898	3.25	2.5
T-11899	1.75	4.25
T-11900	2	4
T-11901	2.5	1
T-11902	2	2
T-11903	5	6
T-11904	4.5	4
T-11905	6.5	10
T-11906	7	7.8
T-11907	4.7	6
T-11908	.75	16
T-11909	2.7	.25
T-11910	27	2
T-11911	2.2	3
T-11912	2.5	4.5
T-11913	2.5	2.2
T-11914	2.5	4
T-11915	2.5	2.6
T-11916	27	

OFFICIAL MILEAGE FOR COST ACCOUNTS

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

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	4
T-11939	5.5	3

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT t-11897

Map manuscript T-11897 compiled at 1:10,000 scale is one of forty-nine similar maps in this project. The maps were compiled primarily to obtain new shoreline and alongshore detail for nautical charts and to provide data for locating hydrographic signals by photogrammetric methods.

Field work preceding compilation included recovery and identification of horizontal control and field inspection. No photo-hydro stations were pre-selected.

Compilation was by Kelsh plotter method using the panchromatic photography obtained October 10th, 1960 and the control established by stereoplanigraph. A cronaflex copy of the manuscript was furnished for preparation of the boat sheet along with ratio prints for locating hydrographic signals by photogrammetric methods. The manuscript is a vinylite sheet from which the smooth sheet was drafted and reproduced. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
T-11897

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

PHOTOGRAMMETRIC PLOT REPORT
T-11897

Please refer to the Photogrammetric Plot Report for the Western half of Maui Island which is bound with the Descriptive Report for T-11894.

COMPILATION REPORT T-11897

For additional data pertaining to this manuscript please refer to the Field Inspection Report for Maui Island bound with T-11896 and the Photogrammetric Plot Report bound with T-11894.

ITEMS 31 THRU 36

Please refer to the compilation report bound with T-11896.

37. LANDMARKS AND AIDS

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

38. CONTROL FOR FUTURE SURVEYS

No topographic or photo-hydro stations were established.

39. JUNCTIONS

Satisfactory junctions were made with T-11896 on the east and with T-11898 on the south. The Pacific Ocean is on the north and west.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. quadrangle Kahakoloa, Hawaii, 1:24,000 scale, edition of 1955.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with the following charts:

- 4116 - scale 1:250,000 - 12th edition, August 17, 1964
- 4124 - scale 1:30,000 - 3rd edition, May 3, 1965
- 4130 - scale 1:80,000 - 4th edition, August 31, 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-11897

Awalau Gulch

Kahakuloa

Kahakuloa Bay

Kahakuloa Head


Kahakuloa Stream

Pacific Ocean

Puu Kahulianapa

Puu Koae

Waihali Gulch


All Names Approved
by Office of Geography

Approved:

A. J. Wright

1-20-66

49. NOTES TO THE HYDROGRAPHER

There are no notes to the hydrographer to accompany this manuscript.

PHOTOGRAMMETRIC OFFICE REVIEW

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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 DMB	17. LANDMARKS DMB		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: DMBrant Joseph Steinberg			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT Joseph Steinberg	
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 Joseph Steinberg		

USE REVERSE SIDE FOR REMARKS

USCGM-DC 89383-P81

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FIELD EDIT REPORT
T-11897

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

REVIEW REPORT T-11897
SHORELINE
April 14, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with copies of Registered Planetable survey No. 3269, 1:20,000 scale, made in 1912 and approved March 30, 1914 and No. 3270, 1:20,000 scale, made in 1911-1912 and approved March 30, 1914.

Map manuscript T-11897 supersedes the prior planetable surveys and should be used for future nautical chart construction in the area mapped.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. quadrangle Kahakuloa, Hawaii 1:24,000 scale, edition of 1955. Two rocks shown on the quadrangle near latitude $21^{\circ} 00' 34''$ longitude $156^{\circ} 33' 27''$ are not visible on photography of the area.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8879 (PF-10-4-61). The shoreline north of latitude $21^{\circ} 00'$ was evidently taken from a cronaflex copy of the map manuscript. A rock at latitude $21^{\circ} 00' 13''$ longitude $156^{\circ} 33' 27''$ was added to the manuscript during final review and does not appear on the boat sheet. *

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4124, 1:30,000 scale, 3rd edition, May 3, 1965. The chart and manuscript are in fairly good agreement. Two small rocks at latitude $21^{\circ} 00' 03''$ longitude $156^{\circ} 32' 39''$ do not appear on photography of the area.

* A "NOTES TO VERIFIER" page concerning this information has been forwarded to the Hydro Branch

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with project instructions and meets that National Standards of map accuracy.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Bull
J. Bull
Director, Atlantic Marine Center

Approved by:

Charles L. Lamon
Chief, Cartographic Branch

L. F. Woodcock
Chief, Photogrammetry Division

Chief, Chart Division

Chief, Operations Division

NOTES TO VERIFIER
H-8879
(Comparison with T-11897)

H-8879 (PF-10-4-61) was compared with T-11897 during final review of the shoreline survey. One discrepancy was noted in the final review report: a rock located at latitude $21^{\circ}00.75'$ and longitude $156^{\circ}33.45'$ was added to T-11897 subsequent to forwarding the map for hydro support. ✓

JHB
W.O. REVIEW

