

T-11899

T-11899

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Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>SHORELINE (PHOTOGRAMMETRIC)</u>	
Field No. _____	Office No. <u>T-11899</u>
LOCALITY	
State <u>Hawaii</u>	
General locality <u>Maui Island</u>	
Locality <u>Waiehu</u>	
<u>1960-1961</u>	
CHIEF OF PARTY	
<u>H. J. Seaborg, Honolulu District Office</u>	
<u>W. E. Randall, Baltimore District Office</u>	
LIBRARY & ARCHIVES	
DATE _____	

DESCRIPTIVE REPORT - DATA RECORD

T-11899

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):

11 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): *MHW*~~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):

TUG, 1912

LAT.:

20° 55' 46.278"

LONG.:

156° 29' 52.676"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 216,570.89 FT.

X = 557,573.94 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): J. C. Lajoie		DATE: Feb. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Located by Kelsh Plotter from field inspection photograph annotations.		
PROJECTION AND GRIDS RULED BY (IV): R.A.C.		DATE 11/14/60
PROJECTION AND GRIDS CHECKED BY (IV): J.D.C.		DATE 11/22/60
CONTROL PLOTTED BY (III): D. M. Brant		DATE 1/24/61
CONTROL CHECKED BY (III): H. P. Eichert		DATE 1/24/61
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Aerotriangulation - Washington Office		DATE 1960
STEREOSCOPIC INSTRUMENT COMPILATION (III): J. D. Mc Evoy		PLANIMETRY J. D. Mc Evoy DATE Feb. 1961
		CONTOURS Inapplicable DATE
MANUSCRIPT DELINEATED BY (III): J. D. Mc Evoy		DATE Aug. 1961
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): D. M. Brant		DATE Aug. 1961
REMARKS: FIELD EDIT MAY 1961 J.C. Lajoie NOTE: NO FIELD EDIT SHEET SUBMITTED		

FORM C&GS-181c
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"W" Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2624 & 2625	10 Oct. 1960	0927	1:25,000	0.4 Ft. above MHW
Stage of tide computed from Tide Tables.				

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, Norfolk Regional Office

DATE:
Oct. 1965

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

3

RECOVERED:

3

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):

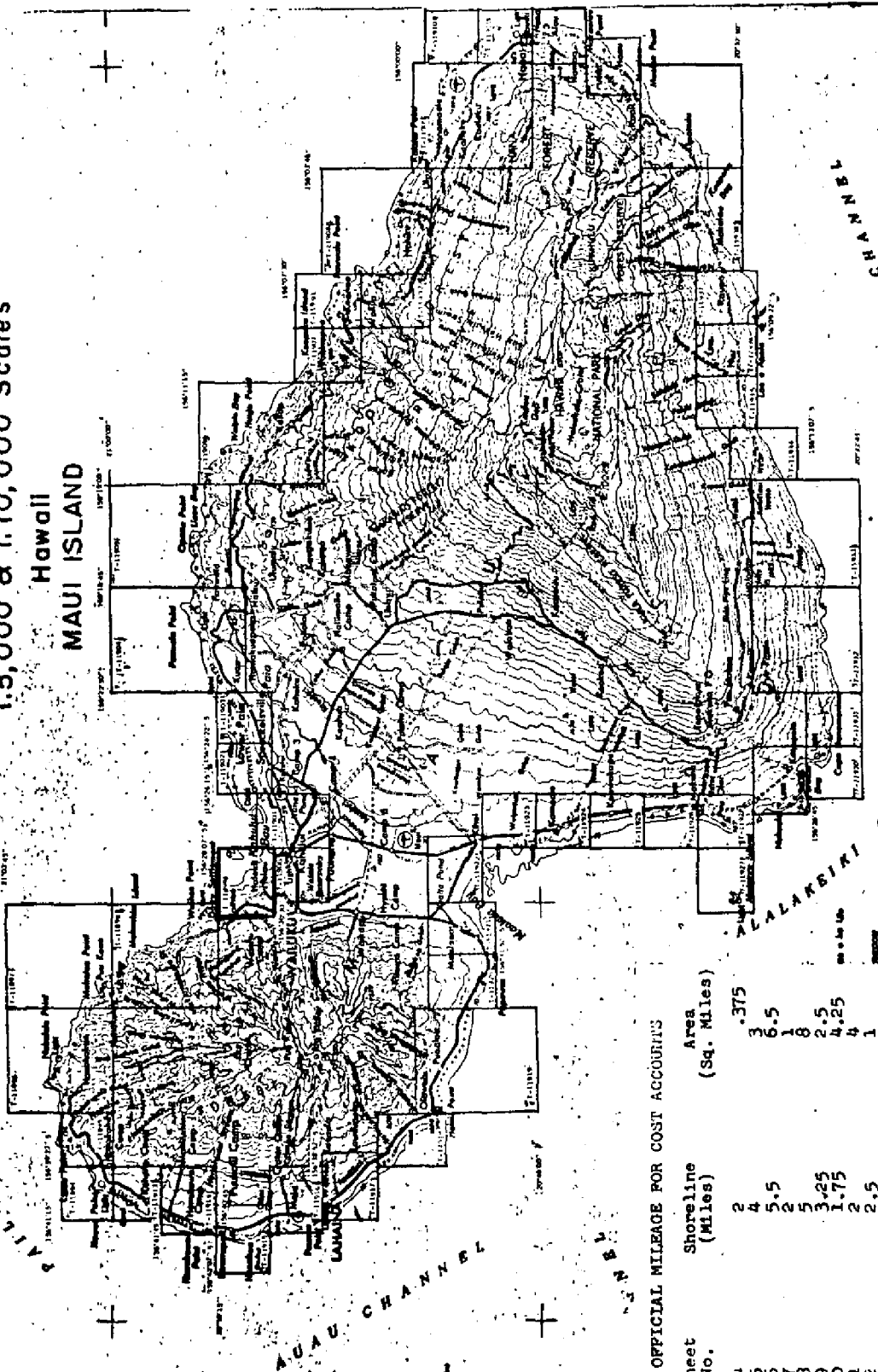
None

REMARKS:

COMPILATION RECORD	COMPLETION DATE	REMARKS
Shoreline furnished for hydro	Feb. 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	2	1
T-11898	5	8
T-11899	3.25	2.5
T-11900	1.75	4.25
T-11901	2	4
T-11902	2.5	1
T-11903	2	2
T-11904	5	6
T-11905	4.5	4
T-11906	6.5	10
T-11907	5	7.8
T-11908	7	6
T-11909	4.7	16
T-11910	1.75	.25
T-11911	2.7	2
T-11912	27	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	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	2.5
T-11925	2.5	1.5
T-11926	1	1.04
T-11927	3	1.5
T-11928	4.5	3
T-11929		
T-11930		
T-11931	2.5	1.5
T-11932	4.5	12
T-11933	5	8
T-11934	2.7	3
T-11935	2.5	3
T-11936	5	4
T-11937	5	4
T-11938	5	6
T-11939	2.5	3
T-11940		

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11899

Shoreline survey T-11899, compiled at 1:5,000 scale, covers part of the coastline of Maui Island, Hawaii northwest of Kahului Harbor. The primary purpose of the survey, along with the other surveys in this project, was to provide new shoreline and along-shore details for nautical charts and photo-hydro support data for location of hydrographic signals.

Field work preceding compilation included recovery and identification of horizontal control and field inspection. No hydrographic signals were pre-selected.

Compilation was by Kelsh Plotter methods using the 1:25,000 scale panchromatic photography obtained October 10th, 1960 and control established by Aerotriangulation. A cronaflex copy of the manuscript (reduced to 1:10,000 scale) was furnished for preparation of the boat sheet. 1:5,000 and 1:10,000 scale ratio prints were provided for the location of hydrographic signals and for field edit purposes.

The manuscript is a vinylite sheet from which the smooth sheet was drafted and reproduced. A cronar positive and a cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
T-11899

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

PHOTOGRAMMETRIC PLOT REPORT
T-11899

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

COMPILATION REPORT T-11899

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 compilation limits of this manuscript.

38. CONTROL FOR FUTURE SURVEYS

No topographic or photo-hydro stations were established.

39. JUNCTIONS

Satisfactory junctions were made with T-11898 on the north and with T-11900 on the south. There is no contemporary survey on the west; the Pacific Ocean is on the east.

46. COMPARISON WITH EXISTING MAPS

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

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with the following charts:

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Respectfully submitted:

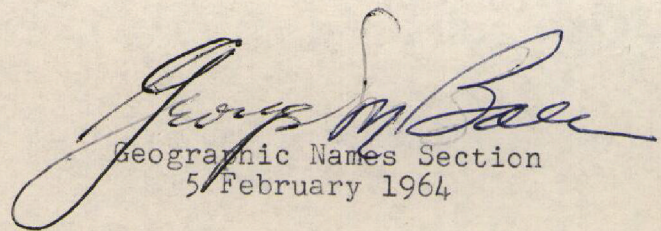
Joseph Steinberg
For: Donald M. Brant
(Carto. (Photo))

Approved:

J. D. Hollis
J. Bull, CAPT., USESSA
Director, Atlantic Marine Center

48. Geographic Names List

Iao Stream
Kalepa Gulch
Nehe Point
Paukukalo
Waiehu
Waiehu Point
Waiehu Stream
Waihee Reef


Geographic Names Section
5 February 1964

Kalepa Gulch
Kahului Bay

*These two names appear on the original
Geographic Names sheet and appear on
this manuscript.*

49. NOTES TO THE HYDROGRAPHER

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

C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
50 44363 T-11899			
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. JUNE 1965 DMB		35. LEGIBILITY OF THE MANUSCRIPT DMB
36. DISCREPANCY OVERLAY DMB	37. DESCRIPTIVE REPORT DMB	38. FIELD INSPECTION PHOTOGRAPHS DMB	39. FORMS DMB
40. REVIEWER DMB		SUPERVISOR, REVIEW SECTION OR UNIT <i>Joseph Steinberg</i>	
41. REMARKS (See attached sheet) .			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER <i>Joseph Steinberg</i> For: D.M. Brant		SUPERVISOR <i>Joseph Steinberg</i>	
43. REMARKS			

FIELD EDIT REPORT
T-11899

Please refer to the Field Edit Report for Maui Island,
Hawaii, strips 1 through 7, which is bound with the Descriptive
Report for T-11894.

REVIEW REPORT T-11899
SHORELINE
April 22, 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. 3270, 1:20,000 scale made in 1911-1912 and approved March 30, 1914.

The shoreline of the two surveys are in good agreement. The planetable survey shows very little interior detail and practically no cultural features.

Map manuscript T-11899 supersedes the planetable survey and should be used for all future nautical chart construction in the area mapped.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

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

The two surveys are in good agreement considering the differences in scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8576 (SU-10-1-61.) The shoreline for the boat sheet was obtained from the copy of the manuscript provided for preparation of the boat sheet. The outer limits of Waihee Reef do 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 shoreline of the chart and manuscript are in very good agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

No item requiring investigation by future surveys were noted during Final Review.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Bull
J. Bull, CAPT., USESSA
Director, Atlantic Marine Center

Approved by:

Charles Lerner
Chief, Cartographic Branch SGD

L. F. Woodward
Chief, Photogrammetry Division

Chief, Chart Division

Chief, Operations Division

