

11914

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-11914
LOCALITY	
State	Hawaii
General locality	Maui Island
Locality	Honokowai Point
1960	1962
CHIEF OF PARTY	
H. J. Seaborg - Honolulu District Office	
Miller J. Tonkel - Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	1967

USCOMM-DC 5087

10/10/60 - 1962

11914

DESCRIPTIVE REPORT - DATA RECORD

T -11914

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

Miller J. Tonkel

INSTRUCTIONS DATED (II) (III):

14 November 1960
28 November 1960
13 June 1961
27 December 1961
16 January 1962
1 April 1963

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 BROOKS IS FOLLOWS~~ 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):

PUUKOLII, CENTRAL POWER COMPANY, STACK, 1950

LAT.:

20° 56' 34.826"

LONG.:

156° 41' 31.219"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 221, 433. 34 ft.

X = 491, 353. 63 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:
John C. Lajoie		1961-1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Mean high water line located by Kelsh Plotter from Photography obtained 10 October 1960 aided by Field Inspection notes.		
PROJECTION AND GRIDS RULED BY (IV):		DATE
RAC		Oct. 1960
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
JDC		Oct. 1960
CONTROL PLOTTED BY (III):		DATE
D. M. Brant		March 1961
CONTROL CHECKED BY (III):		DATE
H. P. Eichert		March 1961
RADIAL STEREO SCOPIC CONTROL EXTENSION BY (III):		DATE
Washington Office - W. A. Kuncis		March 1961
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	D. M. Brant	April 1961
D. M. Brant	CONTOURS	DATE
	Inapplicable	
MANUSCRIPT DELINEATED BY (III):		DATE
L. A. Senasack		Nov. 1961
DRAWING BY (III):		DATE
Drafted C. A. Lipscomb		July, 1962
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
D. M. Brant		Sept. 1963
REMARKS:		
FIELD EDIT - 1962		

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 2598 & 2599.	10 Oct. 1960	0901	1:25,000	0.5 ft. above MHW

TIDE (III) From predicted tide tables Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Honolulu, Hawaii		1.2	1.9
SUBORDINATE STATION: Lahaina, Hawaii		1.3	2.0
SUBORDINATE STATION:			

FINAL
WASHINGTON OFFICE REVIEW BY (IV): D. M. Brant-Baltimore District OfficeDATE:
March 1964

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

1

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):

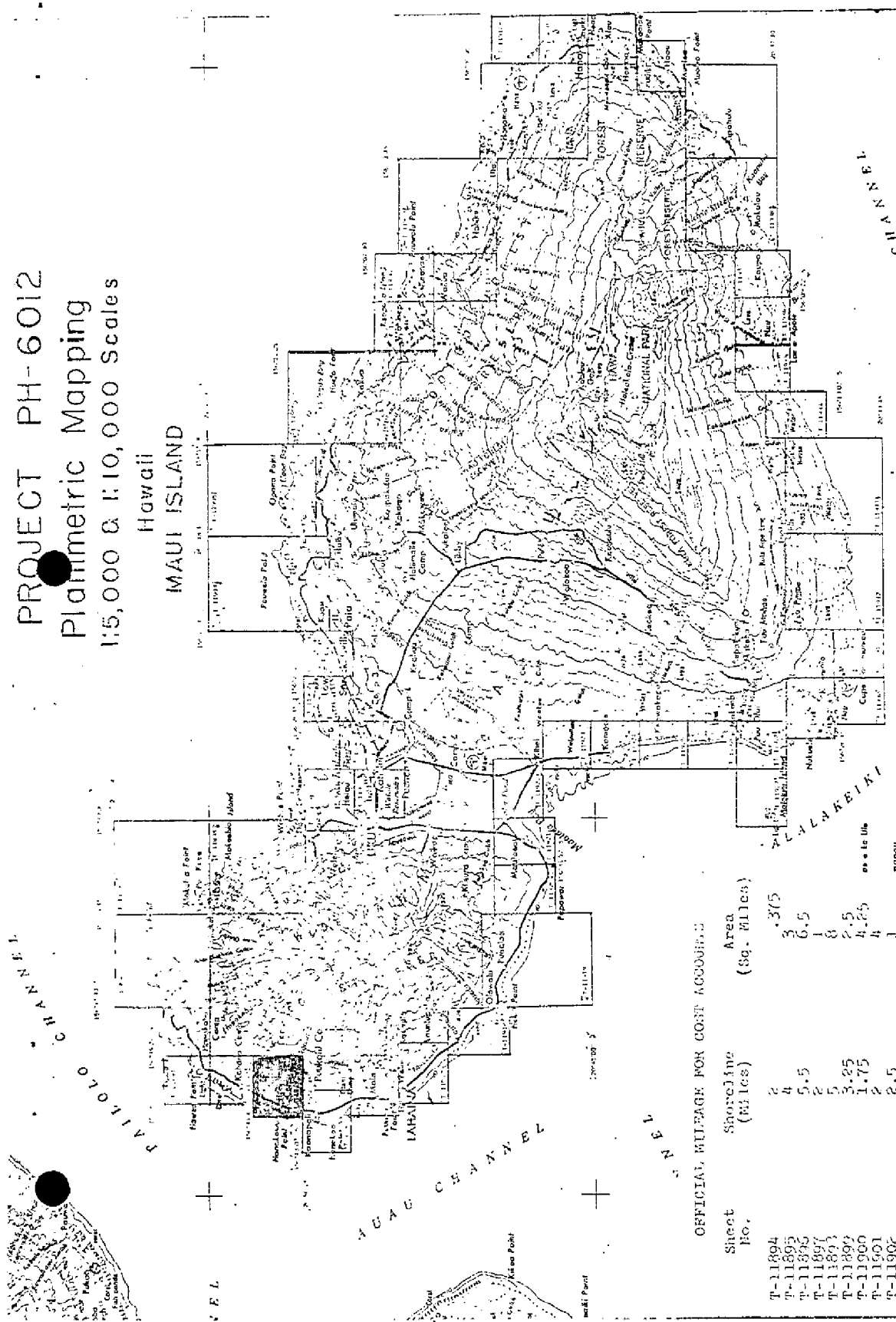
3

REMARKS:

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore area for hydro	Nov. 1961	superseded
Final Compilation	July 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	3.75
T-11895	4	3
T-11896	5.5	6.5
T-11897	2	1
T-11898	2.5	1.8
T-11899	3.25	2.5
T-11900	1.75	4.25
T-11901	2	4
T-11902	2.5	1
T-11903	5	2
T-11904	4.5	6
T-11905	6.5	10
T-11906	7	7.8
T-11907	5	6
T-11908	4.7	16
T-11909	7.5	2
T-11910	2.7	8
T-11911	2.7	8
T-11912	2.5	2.2
T-11913	2.5	4
T-11914	2.5	4.6
T-11915	2.7	5

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11922	3	3
T-11923	2	3
T-11924	1.5	2.5
T-11925	2.5	1.5
T-11926	1	1
T-11927	3	1.5
T-11928	4.5	3
T-11929	5	3
T-11930	4.5	3
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
T-11939	4.5	3

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11914

Shoreline manuscript T-11914 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 field inspection. The Kelsh compilation was at 1:5,000 scale from 1:25,000 scale photography obtained 10 October 1960. 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 2 minutes 22.5 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-11914

Please refer to the Field Inspection Report for Maui Island,
Hawaii bound with the Descriptive Report for T-11913.

SCALE FACTOR

1 FT. = .3048006 METER COMPUTED BY: J. C. Richter	DATE: 10. July, 1962	CHECKED BY: D. M. Brant	DATE: 17 July 1962	COMM-DC-57843
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PHOTOGRAMMETRIC PLOT REPORT

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

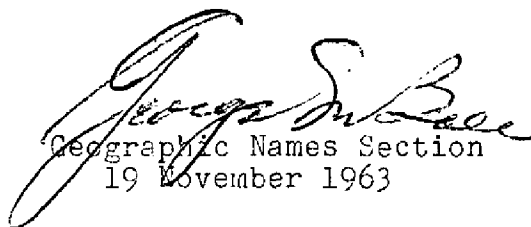
COMPILATION REPORT
T-11914

Please refer to the Compilation Report bound with the Descriptive
Report for T-11913.

T-11914

48. Geographic Names List

Honokowai Camp
Honokowai Point
Honokowai Stream


Geographic Names Section
19 November 1963

49. NOTES FOR THE HYDROGRAPHER

The following is a list of hydro station sites, identified by the field inspector, which were located during the course of compilation:

1401	Red rag on kiawe bush	60 W 2598
1402	North end of seawall	60 W 2598
1403	Water Gable red roofed house	60 W 2599

FORM 182 (3-61) 50		PHOTOGRAMMETRIC OFFICE REVIEW T-11914		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	
CONTROL STATIONS		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 Leo F. Beugnot for DM. Brent	
		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 Leo F. Beugnot for DM. Brent		SIGNATURE OF SUPERVISOR Joseph Steinberg	

FIELD EDIT REPORT
T-11914

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

14.

REVIEW REPORT T-11914
SHORELINE
March, 1964

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with a copy of Registered Planetable Survey No. 3269, 1:20,000 scale dated March 30, 1914.

This map supersedes the above listed survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. LAHAINA and HONOLUA, Hawaii quadrangles, 1:24,000 scales editions of 1956.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of boat sheet H-8578, 1:10,000 scale, dated 10-3-61. The shoreline of the manuscript and boat sheet are identical with the exception of the difference in scale.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 4130, 1:80,000 scale, 4th edition revised August 31, 1964. The Chart and the manuscript are in good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Joseph Steinberg
For: Donald M. Brant

Approved by:

J. Bull
Director, Atlantic Marine Center

Approved by:

Charles Leman
Chief, Cartographic Branch 568
Photogrammetric

Chief, Chart Division

L. F. Woodcock
Chief, Photogrammetry Division

Chief, Operations Division

