

TP-01300

TP-01300

NOAA FORM 76-35
(6-80)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

Map No. TP-01300	Edition No. 1
Job No. CM-8317	
Map Classification CLASS III FINAL	
Type of Survey SHORELINE	
LOCALITY	
State HAWAII	
General Locality BARBERS POINT TO MAKAPUU POINT	
Locality KOKO HEAD	
<div>19 86 TO 19</div>	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Norfolk, VA Coastal Mapping Unit, Atlantic Marine Center OFFICER-IN-CHARGE C. Dale North, Jr.		SURVEY TP. <u>01300</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB CM 8317	
PHOTOGRAMMETRIC OFFICE Norfolk, VA Coastal Mapping Unit, Atlantic Marine Center OFFICER-IN-CHARGE C. Dale North, Jr.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation - April 3, 1987 Compilation - October 2, 1987		Control - May 17, 1987	
II. DATUMS			
1. HORIZONTAL: <input type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify) Old Hawaiian Datum	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Transverse Mercator Projection		4. GRID(S) STATE: Hawaii ZONE: 3	
5. SCALE 1:10,000		STATE: ZONE:	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION METHOD: Analytic		BY B. Thornton LANDMARKS AND AIDS BY B. Thornton	
2. CONTROL AND BRIDGE POINTS METHOD: Kongsburg Plotter		PLOTTED BY B. Thornton CHECKED BY D. Norman	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:10,000		PLANIMETRY BY A. Grimes CHECKED BY F. Mauldin CONTOURS BY NA CHECKED BY NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth Draft SCALE: 1:10,000		PLANIMETRY BY A. Grimes CHECKED BY F. Mauldin CONTOURS BY NA CHECKED BY NA HYDRO SUPPORT DATA BY A. Grimes CHECKED BY F. Mauldin	
5. OFFICE INSPECTION PRIOR TO FINAL REVIEW Final Review		BY F. Mauldin	
6. APPLICATION OF FIELD EDIT DATA		BY NA CHECKED BY NA	
7. COMPILATION SECTION REVIEW Class III		BY F. Mauldin	
8. FINAL REVIEW Class III		BY L.O. Neterer, Jr.	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY L.O. Neterer, Jr.	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY P. Dempsey	
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY	

NOAA FORM 76-36B
(3-72)

TP-01300

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

COMPILATION SOURCES

I. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 10(B) (B=152.21mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE 7th Hawaii-Aleutian <input checked="" type="checkbox"/> STANDARD MERIDIAN 150°W <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
86B(C) C099-C100	03-09-86	03:35	1:30,000	1.3 ft above MLLW	
86B(C) C103-C105	03-09-86	03:43	1:30,000	1.3 ft above MLLW	
				Mean Tide Tange = 1.5 ft	

REMARKS

Stage of tide for all photographs was based on reference station records for the staff at Honolulu, Hawaii.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from office interpretation of the above listed compilation/bridging photographs using stereo instrument methods.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

There was no mean lower low water line compiled on this map.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
NO SURVEY					

5. FINAL JUNCTIONS

NORTH No survey	EAST No survey	SOUTH No survey	WEST TP-01302 (1:5,000)
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REMARKS

TP-01300

3

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Fredrick	Nov 1986
2. HORIZONTAL CONTROL	RECOVERED BY M. McEwen ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY M. McEwen	Nov 1986 Nov 1986
3. VERTICAL CONTROL	RECOVERED BY NA ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY NA LOCATED (Field Methods) BY NA IDENTIFIED BY NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY NA	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
Photo identified2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
86B(C)C099	Makapuu Point Light, 1927		
86B(C)C097	Kuapa, 1928		
86B(C)C099	Makapuu Point RM3, 1872		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
86B(C)C099	MAKAPUU POINT LIGHT, 1927		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

3 Forms C&GS 152
2 Forms 76-86
4 Forms 76-52

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-01300
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Jan 1988	Class III Manuscript		
Final Review	Mar 1989	Class III Final Map	May 1989	May 1989

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

PAGES NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		May 1989	Charted landmarks and aids to navigation form

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

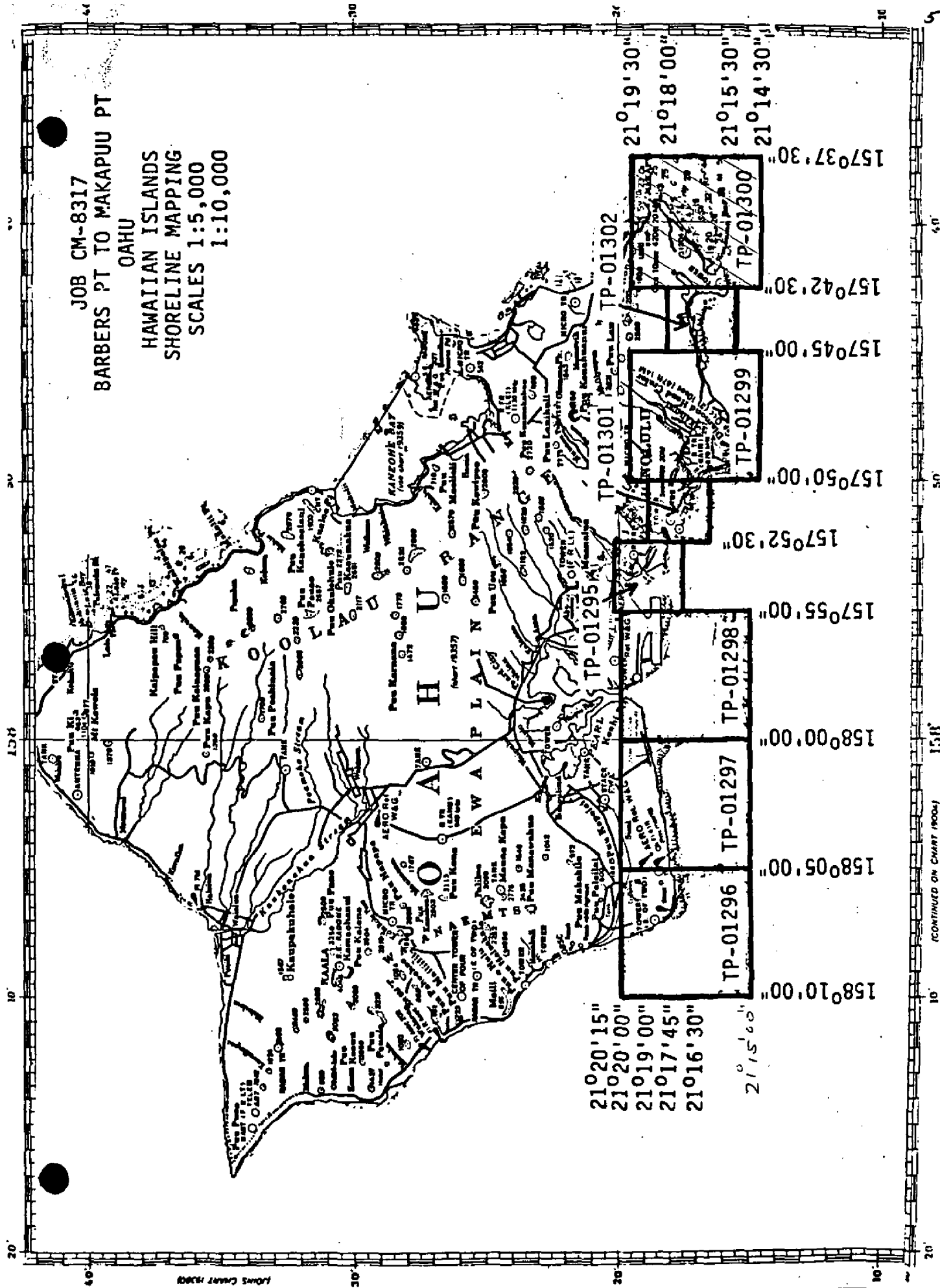
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

JOB CM-8317
BARBERS PT TO MAKAPUU PT

OAHU
HAWAIIAN ISLANDS
SHORELINE MAPPING
SCALES 1:5,000
1:10,000



(CONTINUED ON CHART 10004)

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01300

This 1:10,000 scale map is one of eight maps in Project CM-8317, Barbers Point to Makapuu Point, Oahu, Hawaii. The project extends from longitude 157° 37' 30" to longitude 158° 10' 00" along the southern coastline of the island of Oahu.

Photographic coverage was provided in March 1986 with color film at 1:30,000 scale using a Wild RC 8 "B" camera (focal length 152.21 millimeters).

Field work prior to compilation was accomplished during November 1986. It consisted of photoidentification of the horizontal control stations to satisfy aerotriangulation requirements.

Analytic aerotriangulation was performed at the Washington Science Center in April 1987.

Compilation was performed at the Atlantic Marine Center, from office interpretation of the 1:30,000 scale color photography in January 1988.

Final review was accomplished at the Atlantic Marine Center in March 1989. A Chart Maintenance Print for the Marine Chart Branch and Notes to the Hydrographer Print for the Hydrographic Branch were prepared and forwarded.

This map is to be registered as a Class III, Final Map.

The original base manuscript and all pertinent data were forwarded to the Washington Science Center for final registration.

AEROTRIANGULATION REPORT
CM-8317
BARBERS PT. TO MAKAPUU PT.
OAHU, HAWAII

APRIL 1987

21. AREA COVERED



23. ADEQUACY OF CONTROL

The control for this project is adequate for the job and meets the National Ocean Service's requirements. A listing of closures to control is attached.

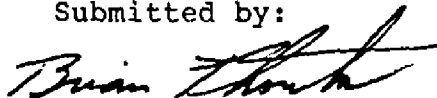
24. SUPPLEMENTAL DATA

USGS topographic quadrangles were used to obtain vertical control for bridging.

25. PHOTOGRAPHY

The coverage, overlap, and quality of the photographs were adequate for the job.

Submitted by:



Brian Thornton

Approved and Forwarded:

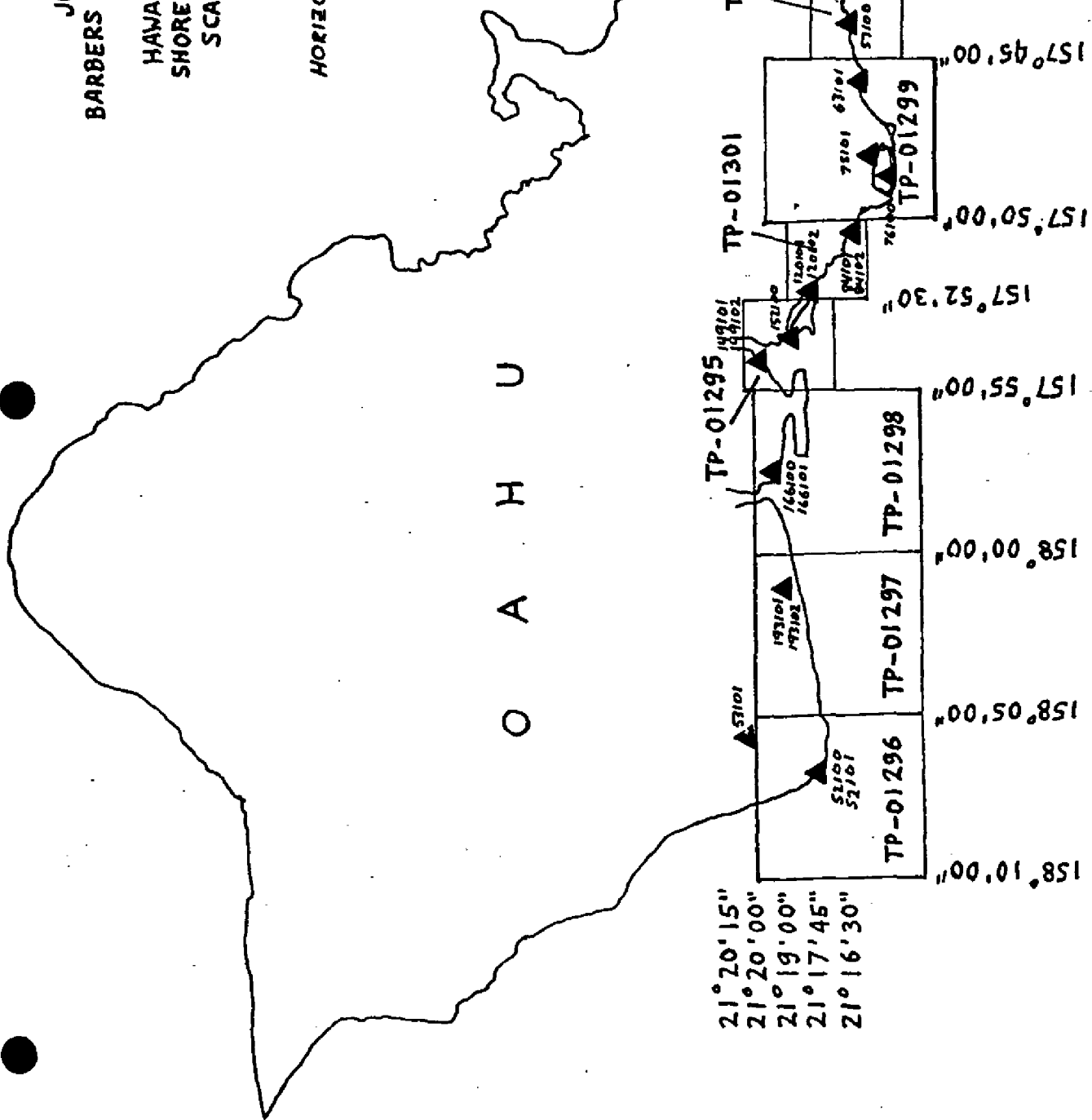


Don O. Norman
Chief, Aerotriangulation Unit

JOB CM-8317
BARBERS PT TO MAKAPUU PT

OAHU
HAWAIIAN ISLANDS
SHORELINE MAPPING
SCALES 1:5,000
1:10,000

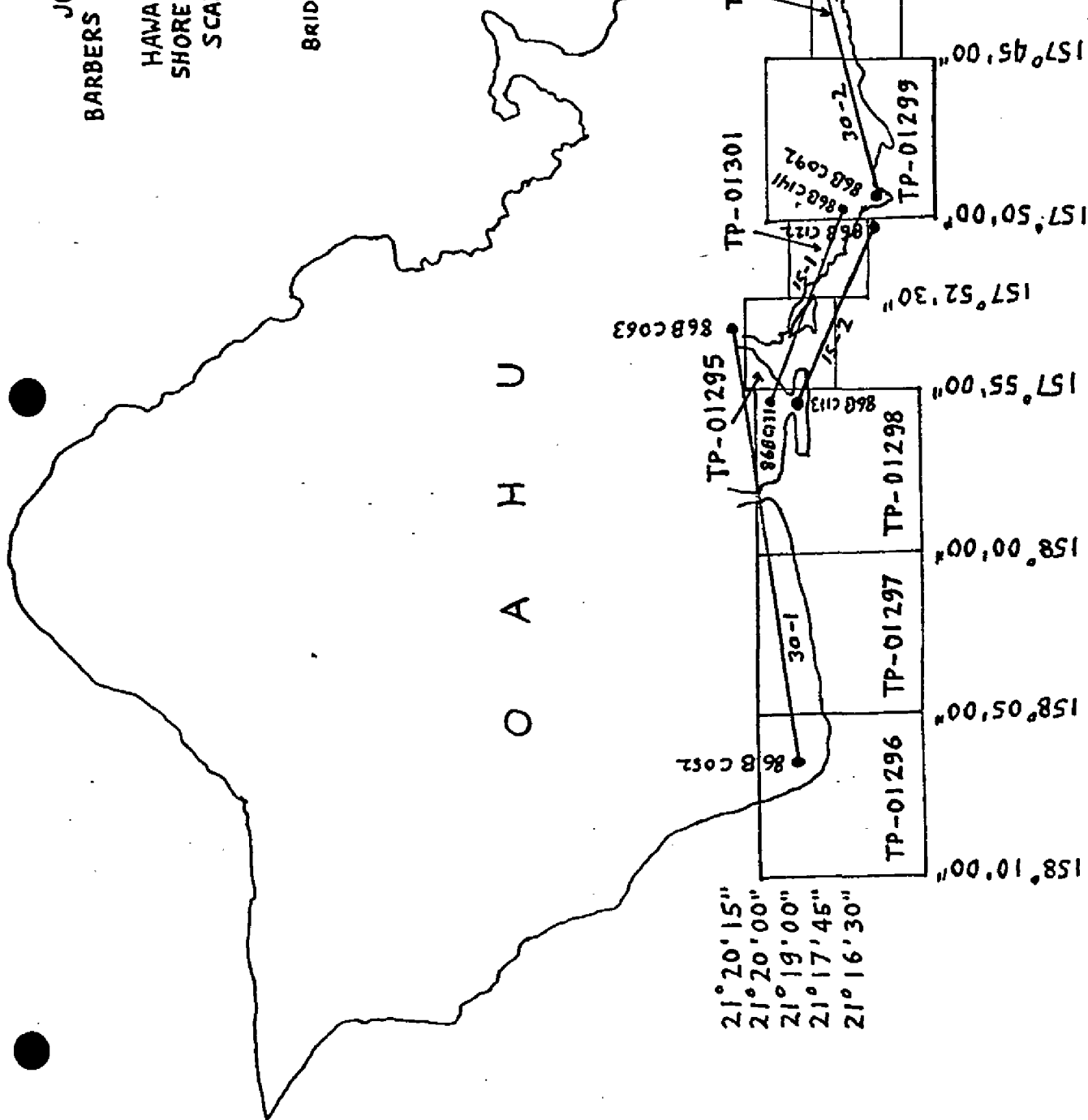
HORIZONTAL CONTROL



JOB CM-8317
BARBERS PT TO MAKAPUU PT

OAHU
HAWAIIAN ISLANDS
SHORELINE MAPPING
SCALES 1:5,000
1:10,000

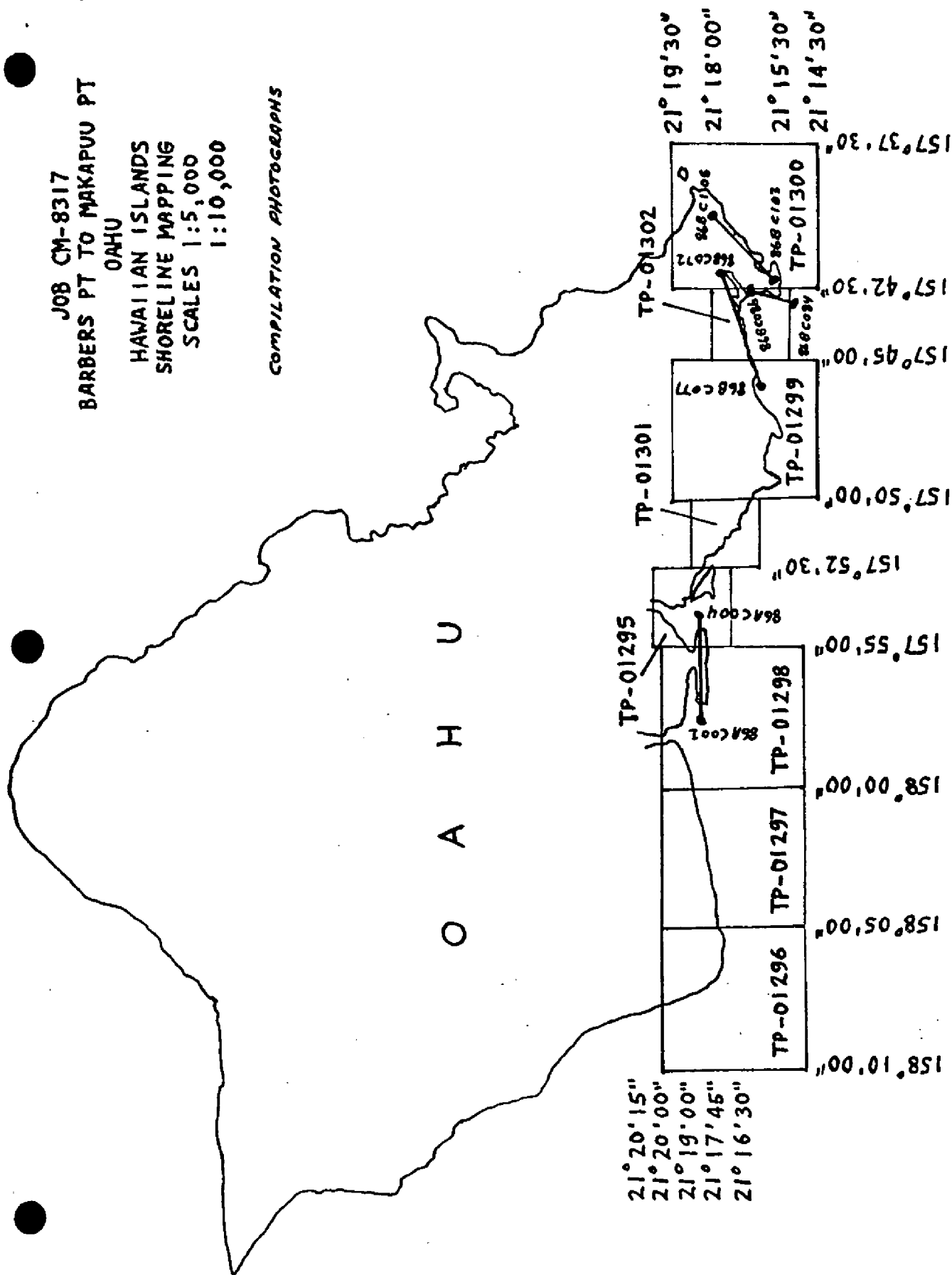
BRIDGING PHOTOGRAPHS



JOB CM-8317
 BARBERS PT TO MAKAPUU PT

OAHU
 HAWAIIAN ISLANDS
 SHORELINE MAPPING
 SCALES 1:5,000
 1:10,000

COMPILATION PHOTOGRAPHS



FIT TO CONTROL

△ = Control point held in adjustment

□ = Tie point held in adjustment

STRIP #30-1

	<u>STATION NAME</u>	<u>POINT NO.</u>	<u>VALUES IN FEET</u>	
			X	Y
	Barbers Pt. Lighthouse New, 1933	52100	-0.9	-1.6
△	Barbers Pt. Lighthouse Sub			
	Pt. 1A	52101	-1.0	0.6
△	State Survey 9-3, 1969 Sub			
	Pt. 1B	53101	1.1	-1.1
	Barbers Pt. NAS Base Control			
	Twr. Beacon	226110	-2.2	0.2
	30188, 1973 Sub Pt. 2A	193101	-4.6	-5.2
△	30188, 1973 Sub Pt. 2B	193102	-1.1	-1.7
	Ft. Kamehameha Flagstaff, 1925	166100	2.0	1.0
	Ft. Kamehameha Flagstaff Sub			
	Pt. 3A	166101	1.3	3.4
	Pearl Harbor Water Tank B,			
	1925	188110	-1.4	-0.2
	Pearl Harbor Escape Training			
	Tower	181110	-0.7	4.7
	Honolulu Inter. Airport			
	Control Twr. Beacon '64	158110	-1.0	0
	Honolulu Moanalua Water Tank,			
	1957	183110	-1.7	2.2
	Aliamanu Honolulu Board of			
	Water Supply Tank, '69	184110	-0.7	-0.7
△	State Survey 1-13, 1969 Sub			
	Pt. 4A	149101	1.7	0.4
△	State Survey 1-13, 1969 Sub			
	Pt. 4B	149102	-2.0	-1.6

STRIP #30-2

△	State Survey 3-5, 1969 Sub			
	Pt. 7A	75101	2.8	-2.0
	Diamond Head Lighthouse, 1925	76100	3.8	-8.5
	Honolulu Sac. Heart Acad. Cross	89110	-3.0	1.7
	Tie from Strip #15-1	140801	-3.2	2.5
□	Tie from Strip #15-1	140802	-2.0	2.5
	Tie from Strip #15-1	140803	-1.8	2.6

△ State Survey 3-6, 1969

Sub Pt. 8A	63101	2.8	0
NIU Water Tank, 1963	57100	-2.4	-1.8
△ Kuapa, 1928 Sub Pt. 9A	55101	-2.8	0.8
Kuapa, 1928 Sub Pt. 9B	55102	-4.7	-3.0
△ Makapuu Pt. 1872 RM3 Sub Pt. 10A	47101	1.6	0.3
Makapuu Pt. 1872 RM3	47110	3.5	-1.2
Makapuu Pt. Light, 1927	47120	4.1	-1.5

STRIP #15-1

□ Tie from Strip #30-1	63801	0.1	-0.8
	63802	1.4	-1.0
	63803	1.0	-1.8
△ State Survey 1-13 Sub Pt. 4A	149101	-0.3	0.7
△ State Survey 1-13 Sub Pt. 4B	149102	0.2	0.4

RATIO VALUES
CM-8317

1:30,000-scale color bridging photographs:

86-B-C052 to C063 Ratio 3.118
86-B-C092 to C100 Ratio 3.132

1:15,000-scale color bridging photographs:

86-B-C131 to C141 Ratio 3.112
86-B-C113 to C122 Ratio 3.104

1:30,000-scale color compilation photographs:

86-A-C002 to C004 Ratio 3.100

1:15,000-scale color compilation photographs:

86-B-C072 to C077 Ratio 3.100
86-B-C084 to C086 Ratio 3.100

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

PORT CONTROL RECORD

DATE
Hawaiian Datum

ORIGINATING ACTIVITY
Coastal Mapping Unit, Norfolk, VA

AMC

LATITUDES IN FEET Hawaiian 3	GEOGRAPHIC POSITION		REMARKS
	ϕ LATITUDE	λ LONGITUDE	
	ϕ 21° 18' 47.004"	✓	
	λ 157° 39' 08.944"	✓	
	ϕ 21° 17' 32.789"	✓	
	λ 157° 42' 28.173"	✓	
	ϕ 21° 18' 41.093"	✓	
	λ 157° 39' 20.437"	✓	
	ϕ 21° 18' 41.463"	✓	
	λ 157° 39' 20.196"	✓	
	ϕ		
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	λ		

ACTION CHECKED BY		DATE
CHECKED BY		DATE
NOTTING CHECKED BY		DATE

COMPILATION REPORT

TP-01300

31. DELINEATION:

Delineation was accomplished using Wild B-8 stereo instrument compilation methods. Instrument compilation was used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:30,000 scale bridging/compilation color photographs.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate. There were no mean lower low water infrared photographs for this project.

32. CONTROL:

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated April 1987.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line was compiled from office interpretation of the bridging/compilation photographs. The shoreline compiled was the visible line of contact between land features and the water surface at the time of photography.

There was no mean lower low water line compiled on this map.

36. OFFSHORE DETAILS:

Offshore detail was compiled by instrument methods using the 1:30,000 scale bridging/compilation color photographs as described in item #31.

TP-01300

37. LANDMARKS AND AIDS:

There are two charted landmarks and seven charted aids to navigation within the limits of this map. Among these, two landmarks and five aids were located/verified photogrammetrically.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Refer to the Data Record Form 76-36B, item 5, of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY:

See item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangles:

Koko Head, Hawaii; dated 1983; scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Service charts:

19013; 13th edition; dated February 12, 1983; scale 1:675,000

19357; 17th edition; dated October 15, 1983; scale 1:80,000

19358; 16th edition; dated October 20, 1984; scale 1:20,000

TP-01300

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

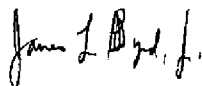
None.

Submitted by:



Albert L. Grimes III
Cartographic Technician
December 23, 1987

Approved:



James L. Byrd, Jr.
Chief, Coastal Mapping Unit

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8317 (Oahu, Hawaii)

TP-01300

Halona Point

Hanauma Bay

Hawaii Kai

Kahauloa

Kaihuokapuaa

Kaiwi Channel

Kaloko

Kaohikaipu Island

Koko Crater

Koko Head

Kuapa Pond

Makapuu Head

Makapuu Point

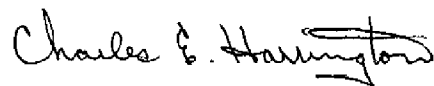
Oahu

Pacific Ocean

Paioaluolu Point

Palea Point

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE

TP-01300

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

The Office Instructions were executed as indicated in paragraph 2.1 with reference to the Old Hawaiian horizontal datum. Reference to the horizontal North American Datum 1927 in paragraphs 4.5 and 4.6 of the Aerotriangulation Instructions and paragraphs 2.6 and 5.2.3 of the Office Instructions were inapplicable and were ignored.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following USGS quadrangle:

KOKO HEAD, HAWAII, dated 1983, scale 1:24,000

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There are no contemporary hydrographic surveys within the limits of this map.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following nautical charts:

19013, 13th edition, dated February 12, 1983, scale
1:675,000
19357, 17th edition, dated October 15, 1983, scale
1:80,000
19362, 10th edition, dated November 10, 1982, scale
1:20,000.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:

Lowell O. Neterer, Jr.

Lowell O. Neterer, Jr.

Final Reviewer

March 1989

Approved for Forwarding:

Billy H. Barnes

Billy H. Barnes

Chief, Quality Assurance Group

Approved:

Chief, Photogrammetric
Production Section

C. J. Bolmar

Chief, Photogrammetry Branch

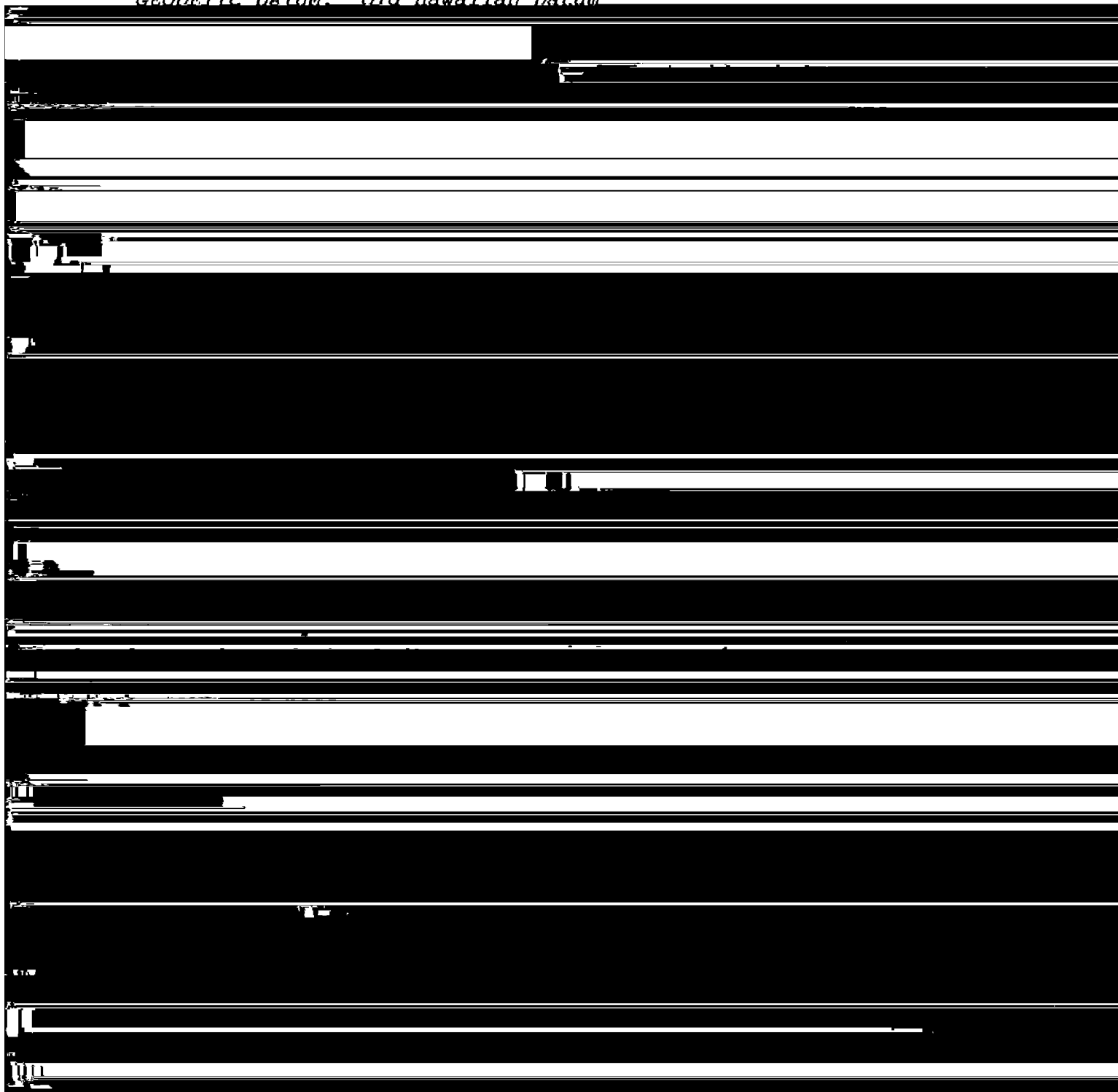
CARTOGRAPHIC FEATURES OF POSSIBLE LANDMARK VALUE LISTING

Page 1 of 1

PROJECT: CM-8317

MAP NUMBER (Scale); Locality: TP-01300; 1:10,000; Barbers Point
to Makapuu Point, Oahu, Hawaii

GEODETTIC DATUM: Old Hawaiian Datum



RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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]