

TP-01297

TP-01297

|                                                                                                         |                  |
|---------------------------------------------------------------------------------------------------------|------------------|
| NOAA FORM 76-35<br>(6-80)                                                                               |                  |
| U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>NATIONAL OCEAN SURVEY |                  |
| DESCRIPTIVE REPORT                                                                                      |                  |
| THIS MAP EDITION WILL NOT BE FIELD EDITED                                                               |                  |
| Map No.<br>TP-01297                                                                                     | Edition No.<br>1 |
| Job No.<br>CM-8317                                                                                      |                  |
| Map Classification<br>CLASS III FINAL                                                                   |                  |
| Type of Survey<br>SHORELINE                                                                             |                  |
| LOCALITY                                                                                                |                  |
| State<br>HAWAII                                                                                         |                  |
| General Locality<br>BARBERS POINT TO MAKAPUU POINT                                                      |                  |
| Locality<br>EWA BEACH                                                                                   |                  |
| 1986 TO 19                                                                                              |                  |
| REGISTERED IN ARCHIVES                                                                                  |                  |
| DATE                                                                                                    |                  |

NOAA FORM 76-36A  
(3-72)

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

TYPE OF SURVEY

SURVEY TP-01297

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEY

MAP CLASS III Final

☐ REVISED

JOB ~~84~~ CM-8317

DESCRIPTIVE REPORT - DATA RECORD

TP-01297

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|                                                                                                                                                                                           |          |                                                                                 |          |                                                                                   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|--|
| CAMERA(S)<br>Wild RC 8 <sup>+</sup> (B) (B = 152.21mm)                                                                                                                                    |          | TYPES OF PHOTOGRAPHY<br>LEGEND<br>(C) COLOR<br>(P) PANCHROMATIC<br>(I) INFRARED |          | TIME REFERENCE<br>ZONE 7th<br>Hawaii-Aluetian<br>MERIDIAN<br>150° West            |  |
| TIDE STAGE REFERENCE<br><input type="checkbox"/> PREDICTED TIDES<br><input checked="" type="checkbox"/> REFERENCE STATION RECORDS<br><input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |          |                                                                                 |          | <input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> DAYLIGHT |  |
| NUMBER AND TYPE                                                                                                                                                                           | DATE     | TIME                                                                            | SCALE    | STAGE OF TIDE                                                                     |  |
| 86 B(C) C053-C057                                                                                                                                                                         | 03-09-86 | 09:31                                                                           | 1:30,000 | 0.3 ft. above MLLW<br><br>Mean Tide Range = 1.5 ft.                               |  |

## REMARKS

Stage of tide for all photography 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 HIGH-WATER LINE~~ 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 |
|---------------|---------|------------------|---------------|---------|------------------|
|               |         |                  |               |         |                  |

## 5. FINAL JUNCTIONS

| NORTH     | EAST     | SOUTH     | WEST     |
|-----------|----------|-----------|----------|
| No Survey | TP-01298 | No Survey | TP-01296 |

## REMARKS

TP-01297

## 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                                                                                                                                             | Nov. 1986 |
|                                     | ESTABLISHED BY N.A.                                                                                                                                                |           |
|                                     | PRE-MARKED OR IDENTIFIED BY M. McEwen                                                                                                                              | Nov. 1986 |
| 3. VERTICAL CONTROL                 | RECOVERED BY N.A.                                                                                                                                                  |           |
|                                     | ESTABLISHED BY N.A.                                                                                                                                                |           |
|                                     | PRE-MARKED OR IDENTIFIED BY N.A.                                                                                                                                   |           |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY N.A.                                                                                                                         |           |
|                                     | LOCATED (Field Methods) BY N.A.                                                                                                                                    |           |
|                                     | IDENTIFIED BY N.A.                                                                                                                                                 |           |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><input checked="" type="checkbox"/> NO INVESTIGATION |           |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY N.A.                                                                                                                                   |           |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY N.A.                                                                                                                                     |           |

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

None

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|--------------|--------------|---------------------|
| 86B(C)C057   | 30188, 1973  |              |                     |

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|--------------|-------------|--------------|-------------|
|              |             |              |             |

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)

2 Forms C & GS 152 - CSI Cards      2 Forms 76-86 Abstract of Directions  
4 Forms 76-52 Horizontal Directions  
3 Forms 75-63 Observations of Sun for Azimuth and Time

## 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         | Jan. 1989 | Final Class III Map  | May 1989                  | May 1989      |
|                      |           |                      |                           |               |
|                      |           |                      |                           |               |

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER<br>NUMBER ASSIGNED | DATE<br>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<br>EDITION | SURVEY NUMBER<br>TP - _____ (2) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><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<br>EDITION  | SURVEY NUMBER<br>TP - _____ (3) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><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<br>EDITION | SURVEY NUMBER<br>TP - _____ (4) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><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       |                                                                                                                                                                                                                                                         |

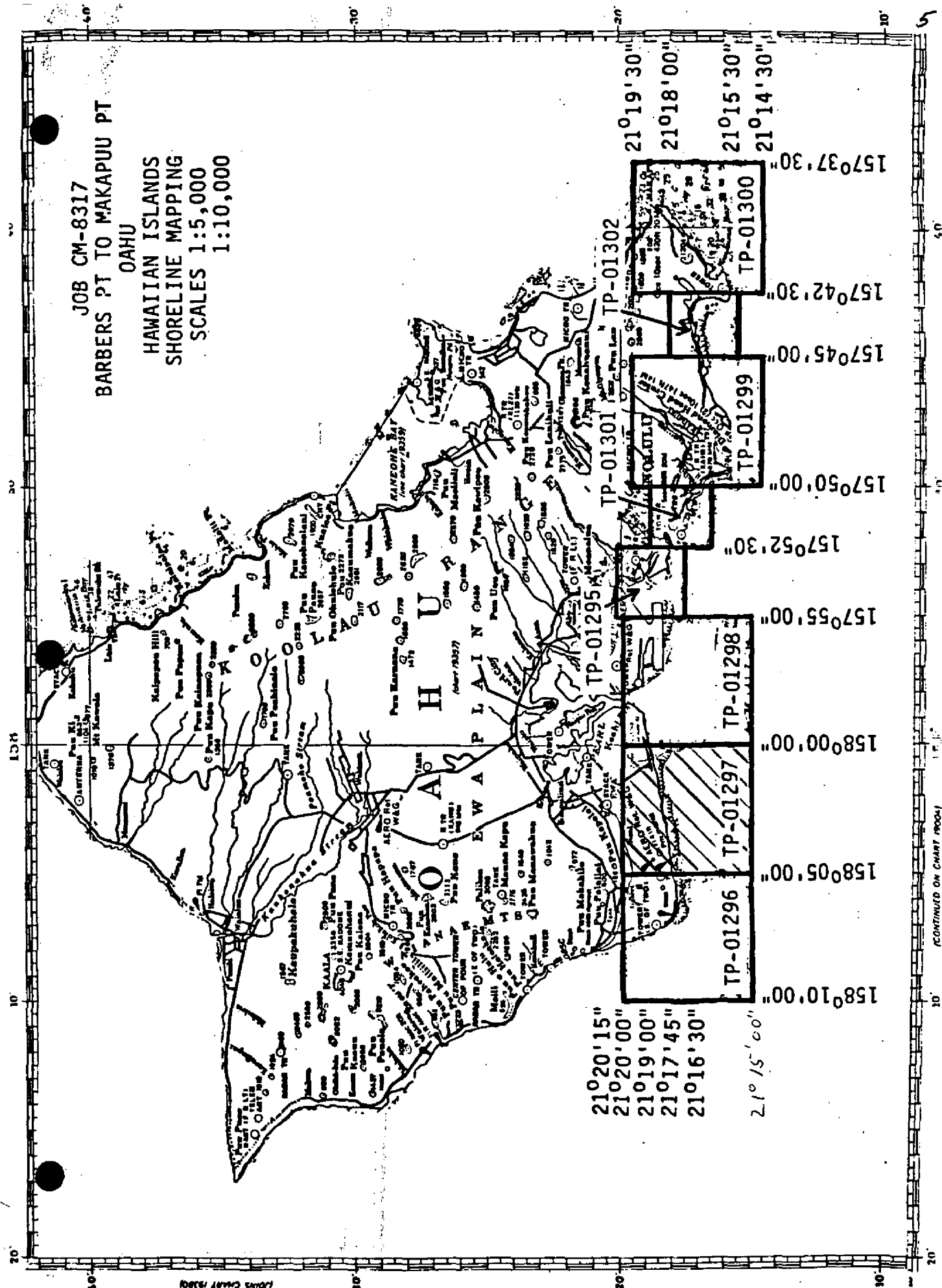
BARBERS PT TO MAKAPUU PT

# OAHU

## HAWAIIAN ISLANDS SHORELINE MAPPING

**SCALES 1:5,000**

**1:10,000**

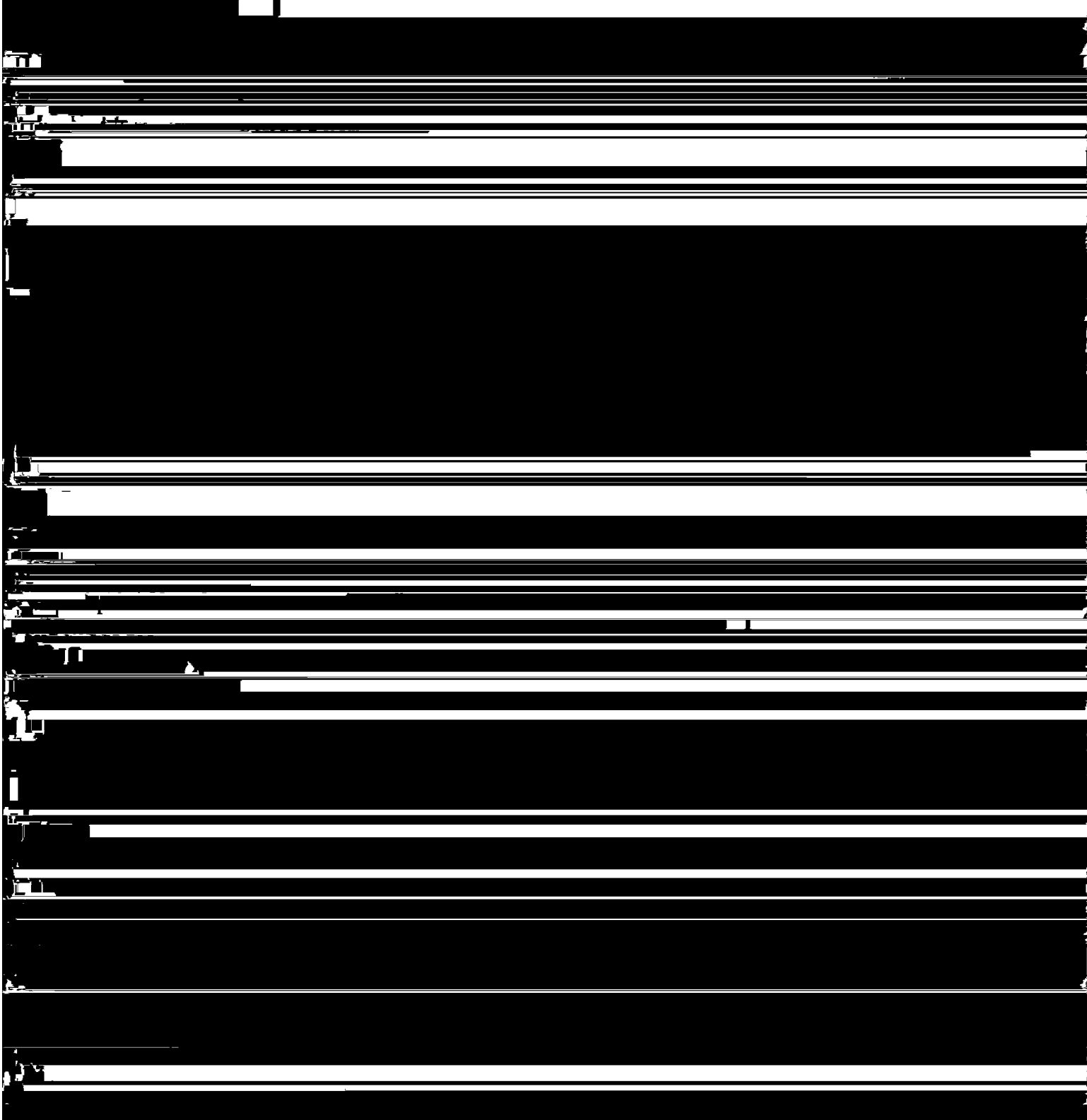


CONTINUED ON CHART 190041

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01297

This 1:10,000 scale map is one of eight maps in Project  
CM-8317. Barbers Point to Makapuu Point, Oahu, Hawaii. The



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

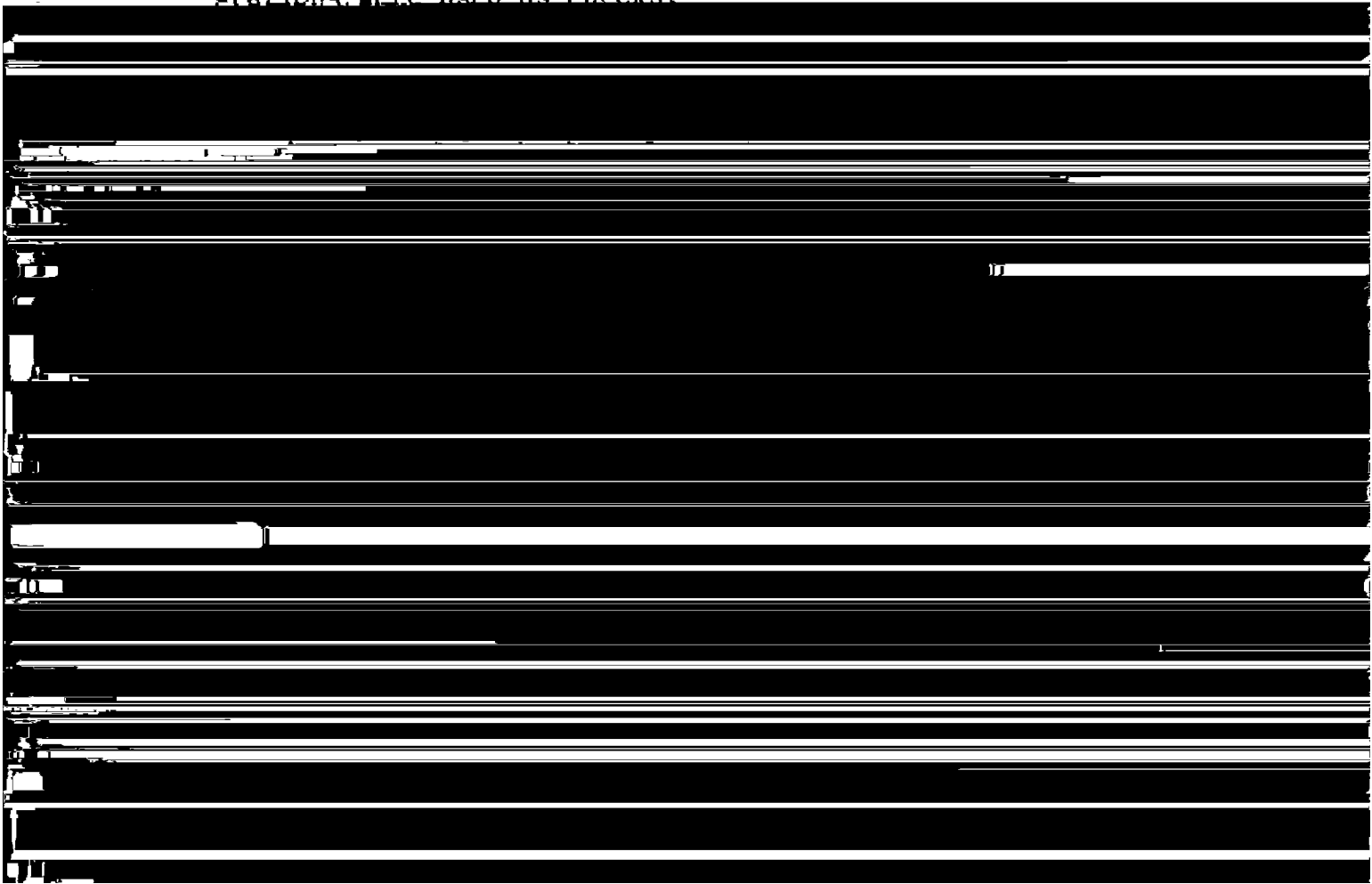
APRIL 1987

21. AREA COVERED

This shoreline mapping project covers the southern part of the island of Oahu, Hawaii, from Barbers Pt. to Makapuu Pt. There are five sheets at 1:10,000 scale and three sheets at 1:5,000 scale that cover the job area. The sheets are numbered TP-01295 through TP-01302.

22. METHOD

Two strips of 1:30,000-scale photographs: 86-B-C052 to C063, 86-B-C092 to C100, and two strips of 1:15,000-scale photographs: 86-B-C113 to C122, 86-B-C131 to C141 were bridged by analytical aerotriangulation methods and adjusted to ground using photo-identified field control. Office identified intersection stations were used as checks.



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.

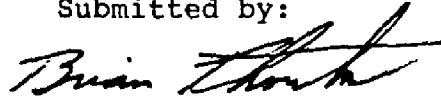
24. SUPPLEMENTAL DATA

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:

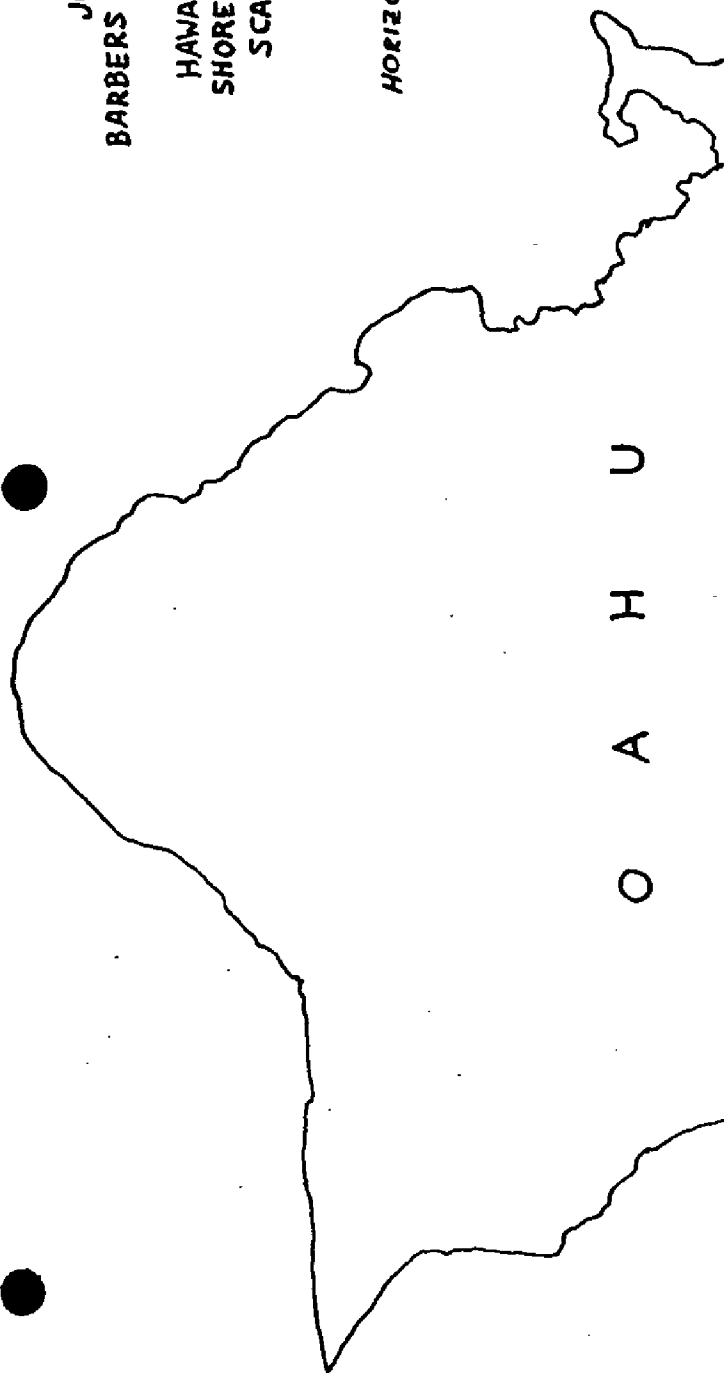


Don O. Norman  
Chief, Aerotriangulation Unit

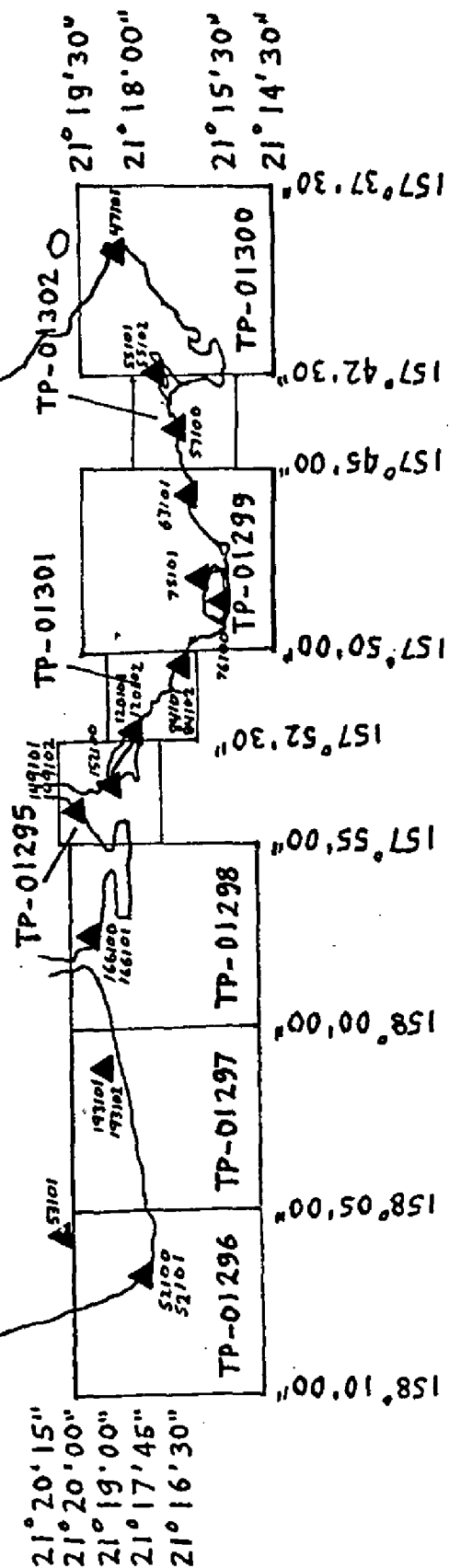
JOB CM-8317  
 BARBERS PT TO MAKAPUU PT

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

HORIZONTAL CONTROL



O A H U

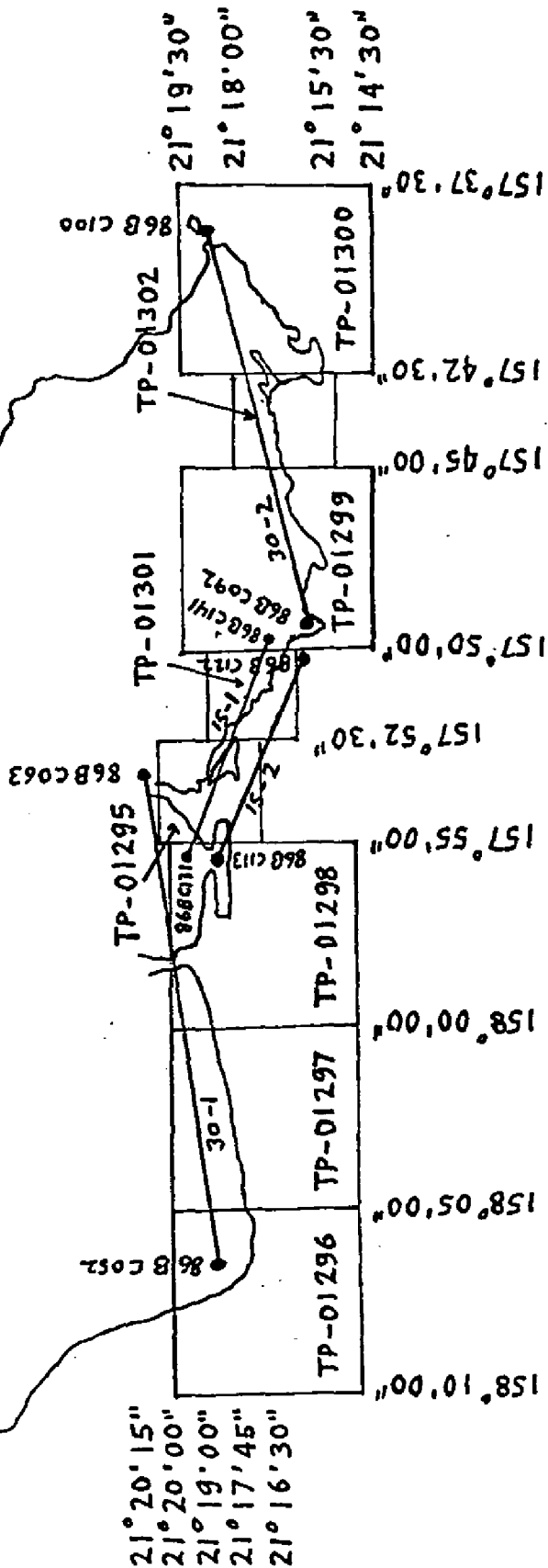


JOB CM-8317  
BARBERS PT TO MAKAPUU PT

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

BRIDGING PHOTOGRAPHS

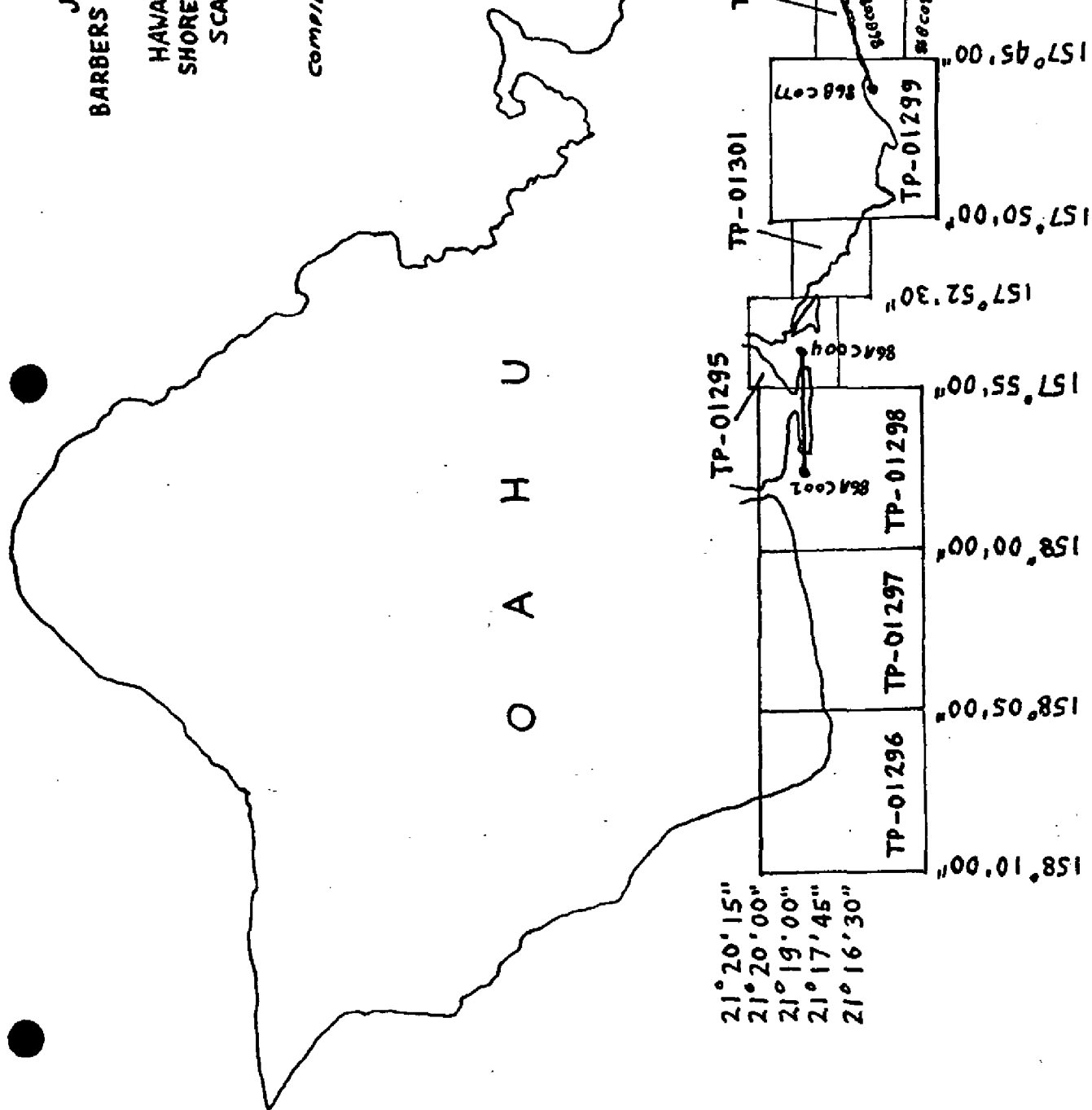
O A H U



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 | 2.4  |
| △ Sand Island S. Base, 1927    |        |      |      |
| Sub Pt. 5A                     | 120101 | -0.7 | 1.0  |
| △ Sand Island S. Base, 1927    |        |      |      |
| Sub Pt. 5B                     | 120102 | 0    | -1.7 |
| △ DeRussy, 1927 Sub Pt. 6A     | 84101  | 1.2  | 0.7  |
| △ Sub Pt. 6B                   | 84102  | -1.1 | -0.5 |

STRIP #15-2

|                                |        |      |      |
|--------------------------------|--------|------|------|
| Tie from Strip #15-1           | 113801 | -0.1 | 0.7  |
| □ Tie from Strip #15-1         | 113802 | -0.1 | 0.3  |
| Sand Island S. Base, '27       |        |      |      |
| Sub Pt. 5A                     | 120101 | -2.4 | -0.4 |
| △ Sand Island S. Base, '27     |        |      |      |
| Sub Pt. 5B                     | 120102 | 0.6  | -1.5 |
| Honolulu Kewald Basin KGU Twr. | 118115 | -0.5 | 0    |
| Tie from Strip #15-1           | 118801 | -2.0 | 2.0  |
| Tie from Strip #15-1           | 118802 | -2.2 | 1.8  |
| Tie from Strip #15-1           | 118803 | -1.8 | 2.1  |
| △ DeRussy, 1927 Sub Pt. 6A     | 84101  | -0.7 | 0.6  |
| DeRussy, 1927 Sub Pt. 6B       | 84102  | -2.1 | -0.1 |
| Honolulu Kaiser Hotel KHVH     |        |      |      |
| Twr. '57                       | 120120 | -2.5 | 0    |
| Tie from Strip #15-1           | 120801 | -2.0 | -0.1 |
| Tie from Strip #15-1           | 120802 | -1.0 | 0.6  |
| □ Tie from Strip #15-1         | 120803 | -1.2 | 1.8  |
| Tie from Strip #15-1           | 121801 | -0.8 | 2.0  |
| Tie from Strip #15-1           | 121802 | -1.5 | 1.3  |
| Tie from Strip #15-1           | 121803 | 0.1  | 1.9  |
| □ Tie from Strip #30-2         | 93801  | 1.4  | -1.2 |
| Tie from Strip #30-2           | 93802  | 0.6  | -3.9 |

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



## COMPILATION REPORT

TP-0129/

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 this 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 as described in item #31. 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.

37. LANDMARKS AND AIDS:

There are one charted landmark and five charted aids to navigation within the limits of this map. Among these, one landmark was located/verified photogrammetrically.

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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:

Pearl Harbor, Hawaii; dated 1983; scale 1:24,000

Ewa, 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

19362; 10th edition; dated November 6, 1982; scale 1:20,000

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Paul L. Evans, Jr.*  
Paul L. Evans, Jr.  
Cartographic Technician  
December 10, 1987

Approved:

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8317 (Oahu, Hawaii)

TP-01297

Barbers Point Naval Air Station

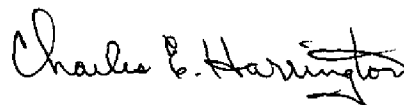
Ewa Beach (locality)

Mamala Bay

Oahu

Pacific Ocean

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

REVIEW REPORT  
SHORELINE

TP-01297

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 CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the following USGS quadrangles:

EWA, HAWAII, dated 1983, and PEARL HARBOR, HAWAII, dated 1983; both are 1:24,000 scale.

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.

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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  
January 1989

Approved for Forwarding:

*Billy H. Barnes*  
Billy H. Barnes  
Chief, Quality Assurance Group

Approved:

Chief, Photogrammetric  
Production Section

*A. J. Bodman*  
Chief, Photogrammetry Branch

## CARTOGRAPHIC FEATURES OF POSSIBLE LANDMARK VALUE LISTING

Page 1 of 1

PROJECT: CM-8317

MAP NUMBER (Scale); Locality: TP-01297; 1:10,000; Barbers Point to  
Makapuu Point, Oahu, Hawaii

GEODETIC DATUM: Old Hawaiian Datum

The following cartographic features have been identified as being of possible landmark value. These features have been identified and measured during photogrammetric operations. Refer to Nautical Charting Division Standard Digital Data Exchange Format documentation for quality code (QC) criteria and clarification of cartographic codes (CC).

| <u>FEATURE DESCRIPTION</u> | <u>NCD<br/>CC</u> | <u>GEOGRAPHIC POSITION ° - ' - "</u> |                  | <u>NCD<br/>Q.C.</u> | <u>DATE OF<br/>LOCATION</u> |
|----------------------------|-------------------|--------------------------------------|------------------|---------------------|-----------------------------|
|                            |                   | <u>LATITUDE</u>                      | <u>LONGITUDE</u> |                     |                             |
| AERO NAS BEACON ✓          | 139 ✓             | 21 18 48.60 ✓                        | 158 04 24.77 ✓   | 3 ✓                 | 03-09-86                    |

[illegible]

Listing approved by:

Lowell O. Ketter  
FINAL REVIEWER

Feb 1989  
DATE

### 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]