T-12635

T-12635

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.	*Edition No.*
T-12635	1

Job No.
PH-6401

Map Classification
CLASS III (FINAL)

Type of Survey
SHORELINE

LOCALITY

State
HAWAII

General Locality HAWAII ISLAND, WEST COAST
UPOLO POINT TO KAILUA

Locality
ANAEHOOMALU BAY

19 69 TO 19

REGISTERED IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE: 1980-665-115

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY
- [X] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

SURVEY TP-12635
MAP EDITION NO. (1)
MAP CLASS III Final
JOB PH- 6401

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE
Richard Houlder

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH- _____
MAP CLASS _____
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Compilation September 12, 1968 Supplement No. 1 February 11, 1969 Compilation March 11, 1969 Supplement No. 2 December 11, 1969	Control/Field Inspection - April 29, 1964

II. DATUMS

1. HORIZONTAL: [ ] 1927 NORTH AMERICAN — OTHER (Specify): Old Hawaiian Datum

2. VERTICAL: [XX] MEAN HIGH-WATER; [ ] MEAN LOW-WATER; [ ] MEAN LOWER LOW-WATER; [ ] MEAN SEA LEVEL — OTHER (Specify):

3. MAP PROJECTION: Polyconic

4. GRID(S)

STATE	ZONE
Hawaii	1

5. SCALE: 1:5,000

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: analytical	BY	D. Brant	Oct 1971
	LANDMARKS AND AIDS BY	H. Eichert	Oct 1971
2. CONTROL AND BRIDGE POINTS METHOD: coradomat	PLOTTED BY	D. Brant	Oct 1971
	CHECKED BY	H. Eichert	Oct 1971
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:5,000	PLANIMETRY BY	R. White	Feb 1972
	CHECKED BY	L. Graves	Feb 1972
	CONTOURS BY	N.A.	--
	CHECKED BY	N.A.	--
4. MANUSCRIPT DELINEATION METHOD: smooth drafted SCALE: 1:5,000	PLANIMETRY BY	R. White	Feb 1972
	CHECKED BY	L. Graves	Feb 1972
	CONTOURS BY	N.A.	--
	CHECKED BY	N.A.	--
	HYDRO SUPPORT DATA BY	R. White	Feb 1972
	CHECKED BY	L. Graves	Feb 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. Graves	Feb 1972
6. APPLICATION OF FIELD EDIT DATA	BY	None	
	CHECKED BY	None	
7. COMPILATION SECTION REVIEW	BY	L. Graves	Feb 1972
8. FINAL REVIEW (Class III)	BY	J. Hancock	Dec 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Hancock	Mar 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	May 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. L. DAUGHERTY	MAY 1987

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

T-12635

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild R.C.-8"E"; E=152.71mm
Wild R.C.-8"S"; S=152.29mm

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Yukon
MERIDIAN: 135th
[XX] STANDARD
[ ] DAYLIGHT

TIDE STAGE REFERENCE
[X] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[ ] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
69E(C) 9049-9052**	Feb 25,69	11:24	1:15,000	0.4 ft above MLLW
63S(P) 7923-7924*	Aug 31,63	08:55	1:30,000	0.7 ft above MLLW
				Mean Tide Range = 1.4 ft

REMARKS * Bridging photographs ** Compilation photographs

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

No mean lower low water line was compiled.

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
T-12534 (1:10,000 scale)	*	*T-12536 (1:10,000 scale)	*

REMARKS
*This 1:5,000 scale inset map is contained within the limits of map T-12536 (1:10,000 scale).

NOAA FORM 76-36B
(3-72)

☆U.S.GOVERNMENT PRINTING OFFICE: 1985-564-007

NOAA FORM 76-36C
(3-72)

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

T-12635

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION *None Note remark in item #8. [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY			
2. HORIZONTAL CONTROL	RECOVERED BY		
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL	RECOVERED BY		
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY		
	LOCATED *(Field Methods)* BY		
	IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [ ] NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY		

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

none

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

none

PHOTO NUMBER	STATION DESIGNATION

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

none

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

* Field inspection data for the common area portrayed on final map T-12536 (compiled from 1963 photography at 1:10,000 scale) was examined; however, no field inspection was performed for the 1969 photographs used to compile this inset map.

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36C
(3-72)

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

T-12635

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION *None
Note remark in item #8

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY			
2. HORIZONTAL CONTROL	RECOVERED BY		
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL	RECOVERED BY		
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY		
	LOCATED *(Field Methods)* BY		
	IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY		

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
none

2. VERTICAL CONTROL IDENTIFIED
none

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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 ☒ NONE

6. 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)*

* Field edit data for the common area portrayed on final map T-12536 (compiled from 1963 photography at 1:10,000 scale) was applied to this inset map where features were identifiable on the 1969 compilation photographs.

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36D
(3-72)

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

T-12635

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation included the use of 1970 field edit data from common map	Feb 1972	Class III manuscript		Feb. 1972
T-12536 that was compiled from 1963 photography				
Final Review	Dec 1986	Final Class III Map	mar 1987	mar 1987

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: None
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:

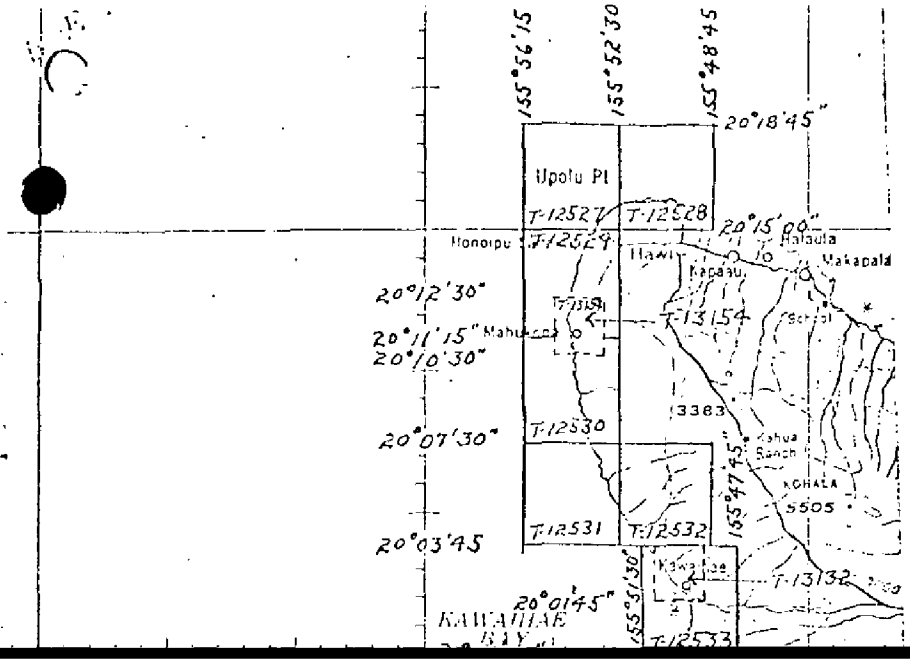
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

NOAA FORM 76-36D

☆ U.S. GPO: 1977-765-092/1106 Region 6



Official Mileage
For
Cost Accounts

Sheet No.	Area Sq. Mi.
T-12527	1
T-12528	3
T-12529	3
T-12530	3
T-12531	2
T-12532	2
T-12533	3
T-12534	2
T-12535	2
T-12536	3
T-12537	4

[redacted]

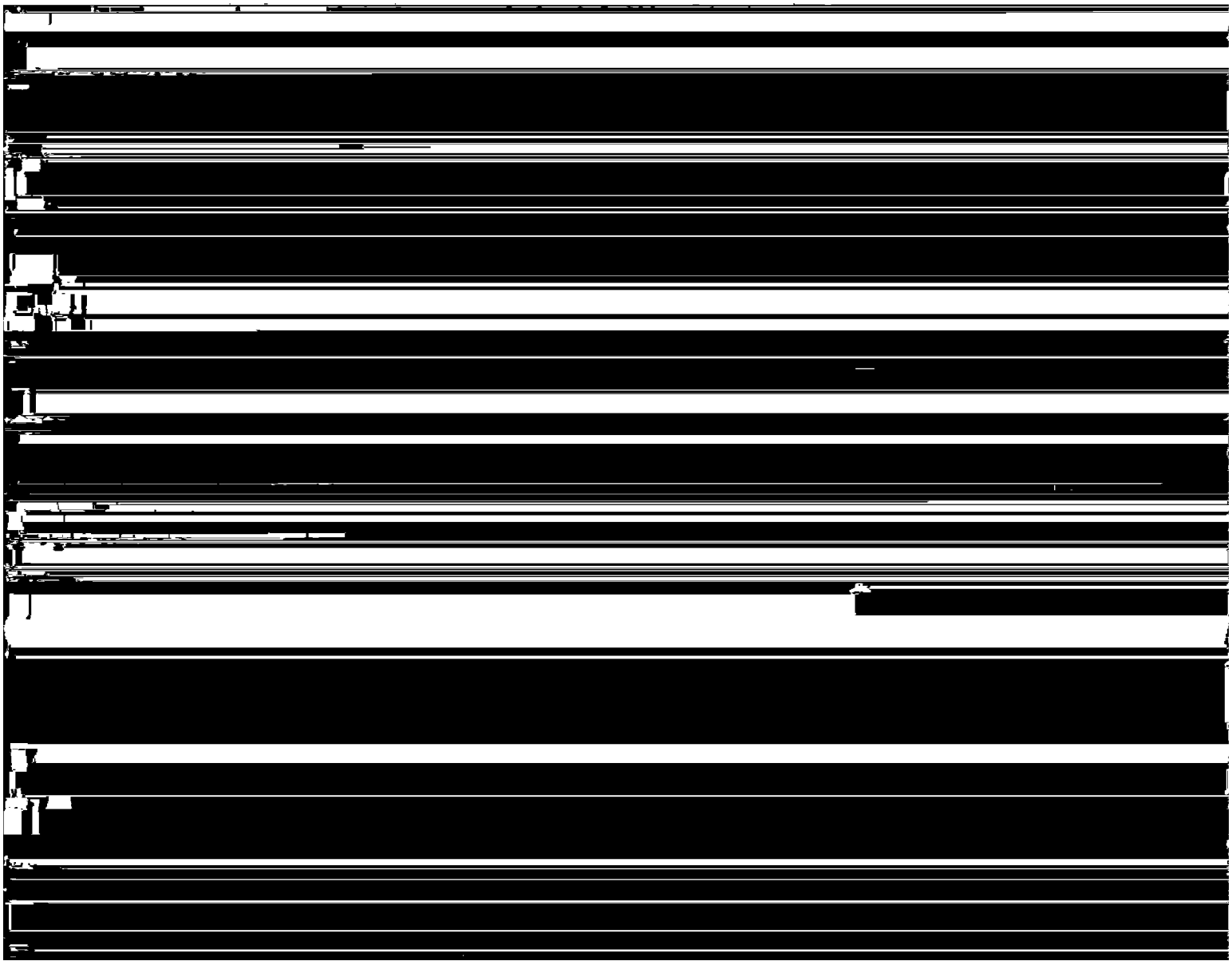
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12635

This 1:5,000 scale final Class III shoreline map is one of twenty-three maps that comprise PH-6401, Hawaii Island, Hawaii, West Coast, Upolo Point to Kailua. The project consists of seventeen 1:10,000 scale maps (T-12527 thru T-12541, T-12543, T-12545) and six 1:5,000 scale inset maps (T-12542, T-12544, T-12635, T-13131, T-13132, T-13382).

The purpose of this inset map was to provide a large scale portrayal of Anaehoomalu Bay for marine chart maintenance.

Photo coverage for the project was adequately provided in August/September 1963 using the Wild RC-8 "S" camera. Photography consisted of 1:30,000 scale panchromatic photographs used for field inspection and aerotriangulation. The 1:20,000 and 1:15,000 scale color photographs were used for compilation and hydro support. The 1:20,000 scale photo coverage was obtained for the 1:10,000 scale maps and the



Primarily, the common mapping area was delineated the same except for a few additional alongshore rocks.

Field edit was not performed for this map. However, field edit was accomplished in 1970 for the common 1:10,000 scale map (T-12536) in conjunction with Hydrographic survey H-9131. Hydrographic survey H-9235, field surveyed in 1971, is also common to this map.

Final review was performed at the Atlantic Marine Center in December 1986. Though this sheet had been designated a Class I map, because the common map (T-12536) had previously been field edited, it was reclassified during final review as Class III. A comparison was made with the common hydrographic surveys, H-9131 & H-9235, though they were conducted prior to compilation. The original base manuscript and related data along with a final Chart Maintenance Print and a Hydrographic Print were forwarded to the Washington Science Center for registration and distribution.

FIELD INSPECTION

T-12635

There was no field inspection performed for this map. However, some select data from the common smaller scale map, T-12536, was compiled. Refer to the Summary in this Descriptive Report.

Photogrammetric Plot Report
PH-6401
Hawaii Island, Hawaii

21. Area Covered

The area covered by this report is along the northwest coast of Hawaii Island. T-sheets in this area are numbered 12534 thru 12541, 12543, and 12545 at 1:10,000 scale. T-sheets 12542, 12544, 12635, 13131 and 13132 at 1:5,000 scale. Sheets T-12527 thru 12533 and 13154 were covered by a previous report on Strips #1 and #2.

22. Method

All strips were bridged on the stereoplanigraph and adjusted by IBM 1620 methods. Strip #3 was adjusted on four stations with two additional stations as checks. Strip #4 was adjusted on seven stations with two additional stations as checks. Strip #6 was adjusted on two control points plus 7 tie points. Strip #7 was adjusted on one control station and three tie points. Strip #8 was adjusted on three control stations and three tie points. All tie points between strips were averaged. Points were drilled using the Wild PUG.

23. Adequacy of Control

The control provided by the field was adequate after reidentification of Anaehoomalu 1913, Lana Cone, 1913 and the identification of Hand, 1928 and Nawai 1928. The following stations could not be held in the bridging adjustments.

1. LAVA CONE, 1913, SS #A and SS #B ("NEAR"). By holding four triangulation stations and floating substitute stations "NEAR A AND B", a 1 ft. check was achieved between these substitute stations and placed LAVA CONE, 1913 80 ft. north of survey mark "NEAR" and on the high point of the immediate area. This bares out the field recovery note for station LAVA CONE 1913 that the survey mark "NEAR" and intersection station LAVA CONE, 1913 are not one and the same. Geodesy Division has been notified of our findings and the bridging information added to their files.

2. KEEI SOUTH BASE, 1948 SS #1 and SS #2 could not be held in Strip #4 by 11' and 15' respectively. It is believed these errors are due to bad identification, since seven other stations were held in the adjustment. This station falls in Strip #4 but is outside of the PH-6401 area of compilation.

24. Supplemental Data

Local USGS quads were used to provide vertical points needed for the strip adjustment program.

25. Photography

Photography was not adequate to provide coverage of the 1:5,000 scale sheets with the exception of T-12542. This inadequate coverage was caused by a change in the limits of the 1:5,000 areas after bridging was nearing completion. Photography was adequate in regard to definition and overlap.

Submitted by,

John D. Perrow, Jr.

Approved by,

Henry P. Eichert
Chief, Aerotriangulation Section

[redacted]

SUPPLEMENTAL
PHOTOGRAMMETRIC PLOT REPORT
Hawaii Island-West Coast
Upolo Point to Kailua
Job PH-6401
October 1971

21. Area Covered

The area covered by this report is along the northwest coast of Hawaii Island. Control was extended for the compilation of three (3) T-sheets (T-13131, T-13132 and T-12635) at 1:5,000 scale.

22. Method

[redacted]

Strip #2 - 63-S-7809 thru 7815
Strip #3 - 63-S-7920 thru 7928

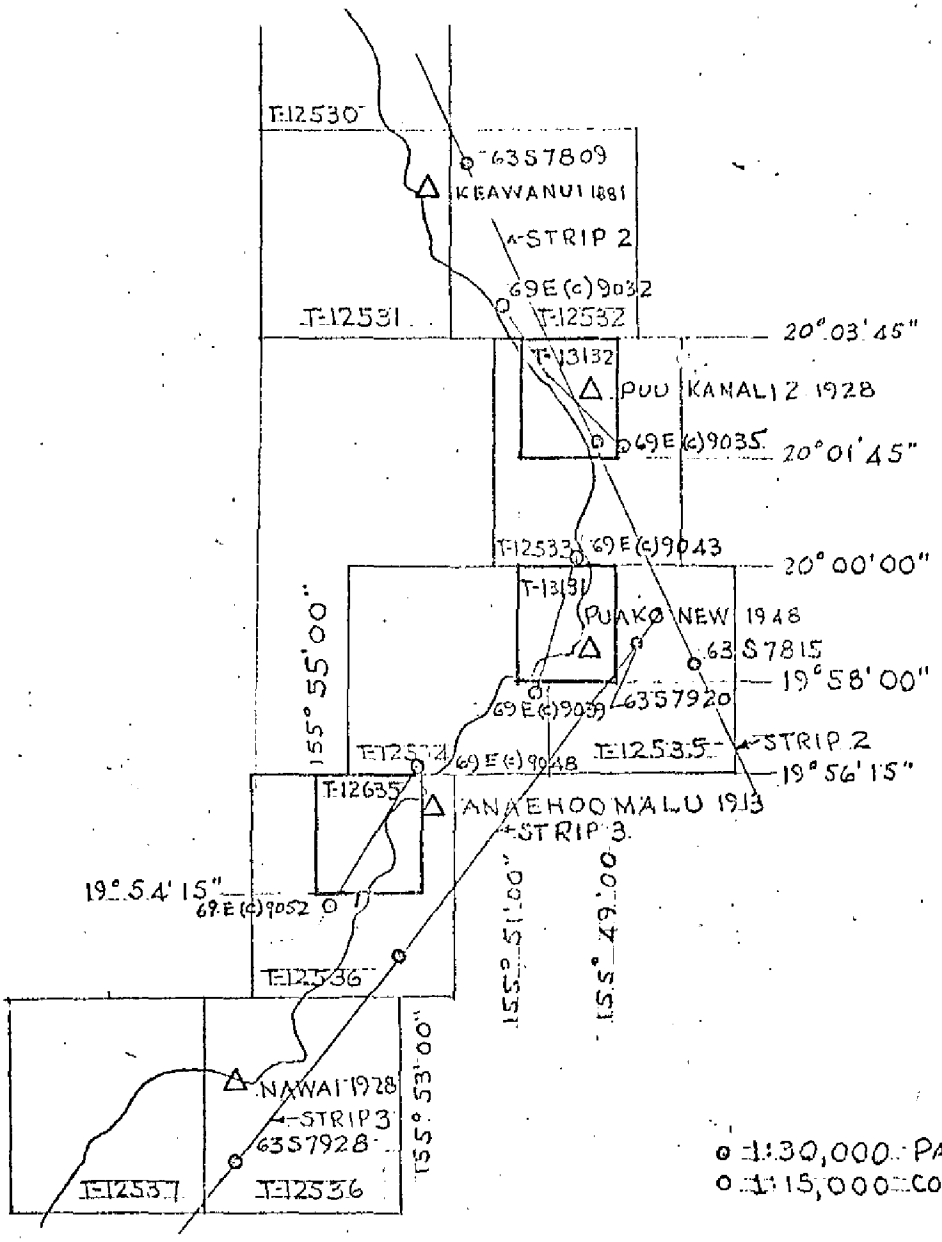
The definition and quality of photography was adequate.

Respectively submitted:

Donald M. Brant

Approved by:

Henry P. Eichert, Chief
Aerotriangulation Section



JOB PH-6401
SHORELINE MAPPING
HAWAII IS. WEST COAST
UPOLO POINT TO KAILUA

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
T-12635	PH-6401	Old Hawaiian Datum	Coastal Mapping Division, AMC

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE HAWAII ZONE 1	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
ANAEHOOMALU, 1913			x=	φ19° 56' 11.690"	
			y=	λ 155° 53' 13.522"	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
R. R. White	2/8/72	H. Gann	2/8/72
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

14

COMPILATION REPORT

T-12635

31 - DELINEATION

Delineation was by instrument and graphic methods using the 1969 1:15,000 scale compilation photographs. The area covered by this sheet was field edited in 1970 for common sheet T-12536 at 1:10,000 scale. The field edit data that was identifiable on the 1969 photographs was applied to this sheet during compilation.

Photograph quality and coverage were adequate.

32 - CONTROL

Refer to the Photogrammetric Plot Report, dated February 4, 1969 and the Supplemental Plot Report dated October 1971.

33 - SUPPLEMENTAL DATA

Control for this map is explained in the Supplemental Plot Report dated October 1971.

34 - CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from the compilation photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated from office interpretation of the 1969 mapping photographs. Photo interpretation was assisted by examining the 1963 1:20,000 scale photography used to compile the previously compiled common map, T-12536.

36 - OFFSHORE DETAILS

There were no significant offshore details.

37 - LANDMARKS AND AIDS

There were no charted landmarks or fixed aids within the limits of this map.

38 - CONTROL FOR FUTURE SURVEYS

None

T-12635

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Reports dated February 4, 1969 and October 1971.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with U. S. G. S. Quadrangle Anaehoomalu Hawaii, dated 1959, scale 1:24,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with USC&GS Chart 4140, scale 1:80,000, 3rd edition, dated January 24, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

Gary L. Hancock

for R. White
Cartographic Aid
Date: February 1972

Approved:

Gary L. Hancock

for Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6401 (Hawaii)

T-12635

Akahu Kaimu

Anaehoomalu

Anaehoomalu Bay

Anaehoomalu Point

Hawaii Island

Kaauau Point

Kahapapa Fishpond

Kapalaoa

Kuualii Fishpond

Lae o Hiiaka

Nawahine Rock

Pacific Ocean

Pohakulua

Pohakuokeaha

Waiulua Bay

Lulahala Point

Approved by:

A. J. Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

REVIEW REPORT T-12635
SHORELINE

61. GENERAL STATEMENT

Final review for this final Class III 1:5,000 scale inset map was accomplished at the Atlantic Marine Center in December 1986. Neither a field inspection nor field edit were performed for this map. For a schedule of the office and field operations, refer to the Summary included with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S Quadrangle Anaehoomalu, Hawaii, dated 1959, scale 1:24,000.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a registered copy of hydrographic surveys H-9131, PF-10-2-70, 1:10,000 scale, field surveyed 1970 and H-9235, FA-5-2-71, 1:5,000 scale, field surveyed 1971. Though the hydrographic surveys were conducted prior to compilation of this map, a comparison was made because they are contemporary to final map T-12536 which duplicates the mapping area at 1:10,000 scale.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 19327, scale 1:80,000, 8th edition, dated September 5, 1981.

The chart compared well with this manuscript.

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

Jerry L. Hancock

Jerry L. Hancock
Final Reviewer

Approved for forwarding

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Production Sect. — Chief, Photogrammetry Branch

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-12635, PH-6401

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 Revie

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

[redacted]