NOAA FORM 76-35 (6-80)

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

DESCRIPTIVE REPORT

Map No.	Edition No.					
T-13261	1					
Job No.						
PH-6703						
Map Classification						
FINAL, FIELD EDITED MAP						
Type of Survey						
SHORELINE						
LOCALITY	Y					
State						
IIAWAH						
General Locality						
HILO BAY, HAWAII						
Locality PAPAIKOU						
PAPAIKUU						
						
1975 TO 19 80						
17/5 10 17 80						
						
REGISTERED IN A	RCHIVES					
DATE						

1	
TYPE OF SURVEY	SURVEY XXF. T-1326]
ORIGINAL	MAP EDITION NO. (1)
] RESURVEY	MAP CLASS Final
REVISED	лов рн. 6703
LAST PRECEES	DING MAP EDITION
TYPE OF SURVEY	JOB PH-
ORIGINAL	MAP CLASS
RESURVEY	SURVEY DATES:
) REVISED	19TO 19
2	FIELD
lorizontal Contr	ol Jan. 15,11969
Horizontal Contr	rol Jun. 13, 1972′
orizontal Contr	rol Aug. 27, 1975

DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS Final
	REVISED	лов РН . 6703
PHOTOGRAMMETRIC OFFICE	LAST PRECEEDI	NG MAP EDITION
Coastal Mapping Division, AMC Norfolk, VA	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	D ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
Cdr. Jeffrey G. Carlen	REVISED	19TO 19
I. INSTRUCTIONS DATED		
1. OFFICE	2. F	1ELD
Aerotriangulation Oct. 6, 1975	Horizontal Contro	1 Jan. 15,11969
Compilation Dec. 3, 1975	Horizontal Contro	7 Jun. 13, 1972´
Compilation (memo) Apr. 29, 1977	Horizontal Contro (Supplement I)	ol Aug. 27, 1975
II. DATUMS		
	OTHER (Specify)	
1. HORIZONTAL: 1927 NORTH AMERICAN	<u>Old Hawaiian Da</u>	tum
(X) MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL: MEAN LOW-WATER MEAN LOWER LOW-WATER		
MEAN SEA LEVEL		
3. MAP PROJECTION	4. 6	iRID(S)
	STATE	ZONE
Transverse Mercator	Hawaii	1
5. SCALE	STATE	ZONE
1:10,000		
	T	
OPERATIONS I. AEROTRIANGULATION BY	NAME D. Thouseton	DATE 2075
I. AEROTRIANGULATION BY METHOD: Analytic Landmarks and aids by	B. Thornton	Nov. 1975
2. CONTROL AND BRIDGE POINTS PLOTTED BY	S. Solbeck	Nov. 1975
METHOD: Coradomat CHECKED BY	S. Solbeck	Nov. 1975
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	R. Kravitz	June 1979
COMPILATION CHECKED BY	F. Mauldin_	<u> June 1979</u>
INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:10.000 CHECKED BY	N.A.	
SCALE: 1:10.000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY	N.A. R. Kravitz	July 1979
CHECKED BY	C. Blood	Aug. 1979
CONTOURS BY	N.A.	- Buit 1373
метнор: Smooth drafted	N.A.	
scale: 1:10,000 HYDRO SUPPORT DATA BY	R. Kravitz	July 1979
CHECKED BY	C. Blood	Aug. 1979
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	C. Blood	Aug. 1979
6. APPLICATION OF FIELD EDIT DATA	G. Morris D. Butler	Sept. 1981 _ May 1982
7. COMPILATION SECTION REVIEW BY	D. Butler	May 1982 May 1982
8. FINAL REVIEW BY	J. Hancock	Sept 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Hancock	Sept 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Demosey F.L. DAUGHERTY	Dec. 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		Pec 1985
NOAA FORM 76-36 A SUPERSEDES FORM C& G\$ 181 SERIES		

ORIGINAL

NOAA FORM 76-36A (3-72)

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

★ U.S. G.P.O. 1972-769380/547 REG.#6

NOAA FORM 76-36B (3-72)		T 1206		ANIC AND ATMOS	SPHERIC AL	OF COMMERCE DMINISTRATION DCEAN SURVEY
	COM	T-1326 IPILATION		·		
1. COMPILATION PHOTOGRAPHY						
CAMERA(S) Wild RC-8_(Focal Lengt	:h=152.24mm)	TYPES	F PHOTOGRAPHY LEGEND	ті	ME REFERE	ENCE
TIDE STAGE REFERENCE XX PREDICTED TIDES REFERENCE STATION RECORD TIDE CONTROLLED PHOTOGRA		(C) COLOR (P) PANCHROMATICX (I) INFRARED		zone Häwaii Meridian 150th		XXSTANDARD ☐DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE		TAGE OF T	IDE
75TNHY-4408P-4411P	Feb.21,1975	10:52	1:15,000	1.0 ft.	above	M.L.L.W.
REMARKS Mean high water at Hi	ln is 1.9 ft.		•			
2. SOURCE OF MEAN HIGH-WATER						
,						
3. Source of MEANING MARKET None compiled.	ŒXMEAN LOWER LO	W-WATER LII	NE:			
4. CONTEMPORARY HYDROGRAPH	HC SURVEYS (List o	only those surv	eys that are sources i	for photogrammetri	c survey inf	ormation.)
SURVEY NUMBER DATE(S) H-9920 Oct/Nov,1	SURVEY COR 1980 Register		URVEY NUMBER	DATE(S)	SURVEY	COPY USED
5. FINAL JUNCTIONS				/ · · · · · · · · · · · · · · · · · · ·		
1:20,000 scale	No survey		очтн Т-13316 1:5,000 scale		π No su	ırvey
T-13316 (1:5,000) is	a part of th	e southw	est corner of	this map.		

. 3

ESSA FORM 76-36c (2-70)		ENVIRONMENTA	U.S. DEPARTME	S ADMINIS	TRATION
	T-13261 History of Field	OPERATIONS	COAST AND	SEODETIC	SURVEY
1. [X] FIELD însp e	ECTION OPERATION (Hor. control) FIELI	EDIT OPERATION	, .		
	OPERATION	NA	ME	DA	TE
1. CHIEF OF FIEL	D PARTY	R. Melby		Sept.	1975
	RECOVERED BY	R. Melby		Sept.	
2. HORIZONTAL C	ONTROL ESTABLISHED BY	None			
	PRE-MARKED OR IDENTIFIED BY	L. Riggers		Sept.	1975
	· RECOVERED BY	None			
3. VERTICAL CON	TROL ESTABLISHED BY	None			
	PRE-MARKED OR IDENTIFIED BY	None			
	RECOVERED (Triangulation Stations) BY	None		ļ	
4. LANDMARKS AN AIDS TO NAVIG	rockiro (tield Mellipes) p.	None			
AIDS TO NAVIG	(DENTIFIED BY	None		ļ	
	TYPE OF INVESTIGATION				
5. GEOGRAPHIC N INVESTIGATION	E.V				
	MY NO INVESTIGATION				
4 DUCTO MODEC	48	None		 	
6. PHOTO INSPECT		None N.A.		1	
7. BOUNDARIÉS AI	ND CIMITS SORVETED OR IDENTIFIED BY	N.A.		<u> </u>	
	ONTROL IDENTIFIED	2. VERTICAL CONT	ROL IDENTIFIED		
		N.A			
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DES	IGNATION	
	LELEIWI (U.S.G.S., 1912), 1912				
	(Not on map, see Form 76-41)				
	(Not on map; see form 70.41)				
3. PHOTO NUMBER	RS (Clarification of details)	<u>.l</u>			
	to (ordination or dostatio)				
None					
4. LANDMARKS AN	ID AIDS TO NAVIGATION IDENTIFIED				
See T-1	3316 (1:5,000)				
		T	·		
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT	NAME	
ļ					
	AMES: TREPORT TYLNONE		LIMITS: REPOR	_14	
A GEOGRAPHIC N					

7. SUPPLEMENTAL MAPS AND PLANS

None

- 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
 - 1 Form 76-53
 - 1 Form 76-61A

ESSA FORM 76-36C

NOAA FORM 76-36C 3-72)		T-13261 HISTORY OF FIELD		U. S. DEPARTMEI NIC AND ATMOSPHERIC NATIONA		RATI
I. TIELD INSPEC	CTION OPERATION	XX FIEL	D EDIT OPERATION			
	OPERATIO	ON		NAME	DAT	E
1. CHIEF OF FIELD	BARTY					
			A. J. Patri	ck	_0ct	198
2. HORIZONTAL CO	NTROL	RECOVERED BY	None None			
Zi Homzon ke oo		E-MARKED OR IDENTIFIED BY	None			
	•	REÇOVERED BY	N.A.			
3. VERTICAL CONT	ROL	ESTABLISHED BY	N.A.			
	PR	E-MARKED OR IDENTIFIED BY	N.A.			
	RECOVE	RED (Triangulation Stations) BY	None			
4. LANDMARKS AND AIDS TO NAVIGA		LOCATED (Field Methods) BY	None			
AIDD TO MATION		IDENTIFIED BY	None			
		TYPE OF INVESTIGATION COMPLETE				
6. GEOGRAPHIC NA INVESTIGATION		BY SPECIFIC NAMES ONLY			!	
	-	NO INVESTIGATION	A. F. Trimb	ا ۵	Oct.	100
S. PHOTO INSPECT		ARIFICATION OF DETAILS BY		le, A. T. Baxter		
7. BOUNDARIES AN		SURVEYED OR IDENTIFIED BY	None	ice in the purcui		1.70
I. SOURCE DATA	·- ·-					
. HORIZONTAL CO	NTROL IDENTIFIE	D	2. VERTICAL CO	NTROL IDENTIFIED		
None			Not Applic	able		
PHOTO NUMBER	5	TATION: NAME	PHOTO NUMBER	STATION DESI	GNATION	
3. PHOTO NUMBER:	s (Clarification of d	•				
LANDMARKS AND						
None						
PHOTO NUMBER	c	BJECT NAME	PHOTO NUMBER	OBJECT N	NAME	
5. GEOGRAPHIC NA	MES: XXRE	PORT NONE	6. BOUNDARY AN	D LIMITS: REPOR	т ХХ ис	ONF
7. SUPPLEMENTAL			14 550.5	as Eliminos	C. BAIN	
One Field	ecorps (skeich bo Edit Ozalid al FIeld Edi	oks, etc. DO NOT list deta submi t Report	tted to the Geodesy L	division)		

NOAA FORM 76-36C (3-72)

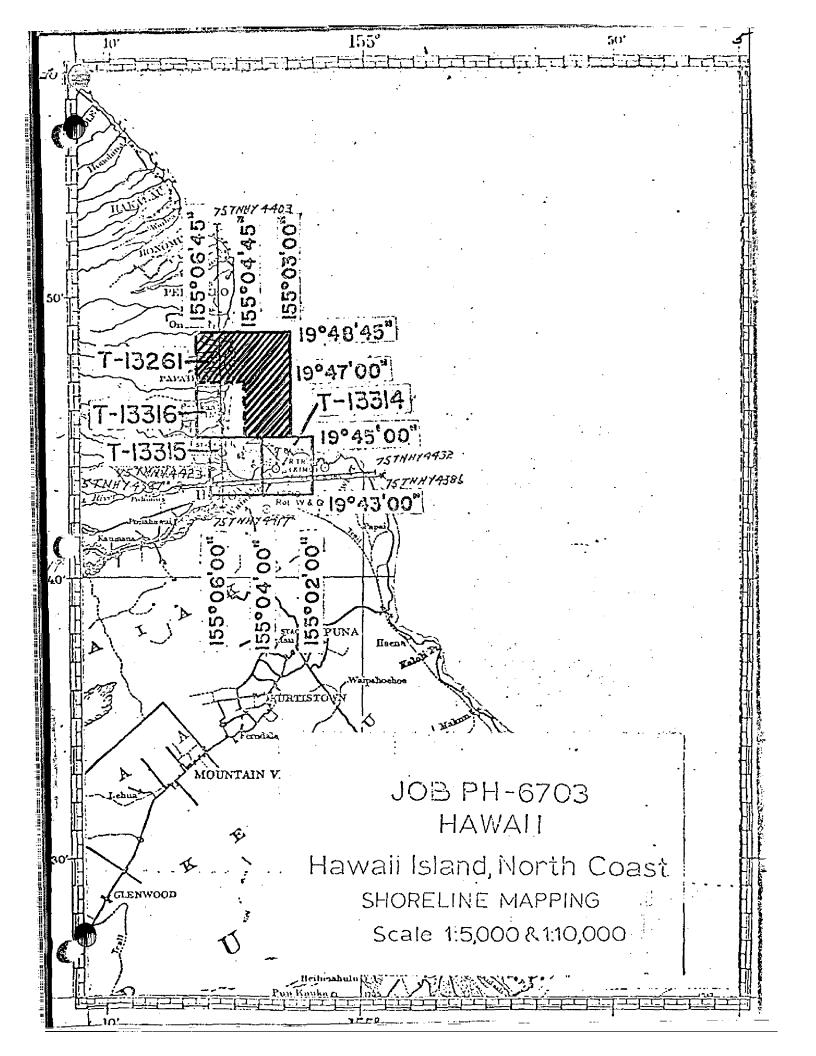
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NOAA FORM 76-36D (3-72)

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

T-13261

RECORD OF SURVEY USE								
I. MANUSC	RIPT COPIES							
	Со	MPILATION STAGE	s		DATE MANUSCR	DATE MANUSCRIPT FORWARDED		
	DATA COMPILED	DATE	ŔE	MARKS	MARINE CHARTS	HYDRO SUPPORT		
	tion complete, field edit	Aug. 1979	Class III supe	manuscrip rseded	t Aug. 1979	Aug. 1979		
	dit applied, tion complete.	May 1982	Class I ma	anuscript rseded	None	No Record		
Final F	Rev ie w	Sept. 1985	Final Map		40V. 1985			
	ARKS AND AIDS TO NAVIGA							
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH								
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REMARKS			
			None					
						<u>.</u>		
			<u> </u>					
		<u></u>	<u></u>					
	REPORT TO MARINE CHART	•						
	3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: III. FEDERAL RECORDS CENTER DATA							
,	BRIDGING BUOTOGRADUS	. Comprise to	DRIBONIC REDO	nt. Gow	DUTED OCADOUTO			
	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENT							
	SOURCE DATA (except for C							
	ACCOUNT FOR EXCEPTION	NS:						
4	DATA TO FEDERAL DEGO							
						-		
IV. SURV	EY EDITIONS (This section : SURVEY NUMBER	JOB NUMBS		o edition is regi	Stered) TYPE OF SURVEY			
SECOND	<u></u>	(2) PH		[SURVEY		
EDITION	DATE OF PHOTOGRAP	HY DATE OF F	IELD EDIT	 □11, [MAPCLASS	FINAL		
	SURVEY NUMBER	JOB NUMBE	R		TYPE OF SURVEY	LIFINAL		
THIRD	TF	(3) PH		(SURVEY		
EDITION			IELD EDIT	! □	MAP CLASS			
	SURVEY NUMBER	JOB NUMBE	R		TYPE OF SURVEY	LIFINAL		
FOURTH	TP	_ (4) PH		[5ÚR VÉ Y		
EDITION	DATE OF PHOTOGRAP	HY DATE OF F	ELD EDIT	 □ (MAP CLASS	· 🗆 #(NA)		



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-13261

This 1:10,000 scale final shoreline map is one of four maps that comprise project PH-6703, Hilo Bay, Hawaii Island, Hawaii. The other three maps, T-13314, T-13315, and T-13316 are 1:5,000 scale maps that were reviewed and registered in 1978. This project has experienced various modifications since the initial 1969 field instructions. According to an April 29, 1977 memorandum, the original project coverage was reduced to four maps which limited compilation in the vicinity of Hilo Bay. With the final review of this map, T-13261, the project requirements are satisfied. Project data in conjunction with this map will be prepared for registration.

The purpose of this map was to furnish shoreline data in support of hydrographic operations.

This map covers a portion of shoreline along the northeast coast of Hawaii island just north of Hilo Bay. This map and T-13314 junctions with project CM-7712 which was established in 1977.

Project photography was provided in February, 1975 at 1:15,000 and 1:30,000 scales by private contractor. Panchromatic film was used with the RC-8 camera. Coverage and quality were adequate except for incomplete coverage of the breakwater protecting Hilo Bay. Delineation of this feature was provided by data submitted during field edit.

Field work prior to compilation consisted of the recovery, establishment and photoidentification of horizontal control necessary for aerotriangulation. This activity was completed September 1975.

Analytic aerotriangulation was adequately provided by the Washington Science Center in November 1975. The Photogrammetric Plot Report dated November 14, 1975 indicates seven maps within the project; however, the Plot Report was written before the cancellation of three maps.

Compilation by office interpretation of the mapping photographs was performed at the Coastal Mapping Section, Atlantic Marine Center in August 1979. A copy of the Class III manuscript and hydrographic support data were forwarded to the hydrographer for field edit.

Field edit for this map was performed in conjunction with hydrographic survey H-9920 by NOAA Ship FAIRWEATHER personnel in October 1980.

Application of field edit data was accomplished at the Photogrammetry Office, Pacific Marine Center in May 1982. The manuscript was advanced to Class I.

Final review was performed at the Atlantic Marine Center in September 1985. At this time, a comparison was made with a registered copy of hydrographic survey H-9920, 1:10,000 scale, field surveyed Oct./Nov. 1980. There were no apparent differences. A final Chart Maintenance Print and Notes to Hydrographer Print were prepared and forwarded to Photogrammetry headquarters for distribution.

The Descriptive Report for this final field edited map contains all pertinent information used to produce this map. The original base manuscript and all project data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

T-13261

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for aerotriangulation.

PHOTOGRAMMETRIC PLOT REPORT HILO BAY, HAWAII Job PH-6703 November 14, 1975

Area Covered: The area covered in this project in the east coast area of the island Hawaii. This area is covered by four 1:10,000-scale sheets, TP-13259 thru TP-13262 and three 1:5,000-scale sheets, TP-13314 thru TP-13316. (See Des. Report Summary)

Method: Two strips of 1:15,000 scale black-and-white photography were bridged by analytic aerotriangulation methods. The two strips of bridging photography were controlled by field-identified control.

Common points were located on the bridging photography for ratio purposes. Tie points were used to insure an adequate junction of the strips during the adjustment.

All manuscripts were plotted on the Coradi and the photo requisition for the ratios has been submitted to the photo lab.

Adequacy of Control: The control checked well within map accuracy standards and is more than sufficient for its intended use. See attached sheet for accuracy of control in strip adjustment.

Supplemental Data: USGS quadrangles were used to provide vertical control for the adjustment.

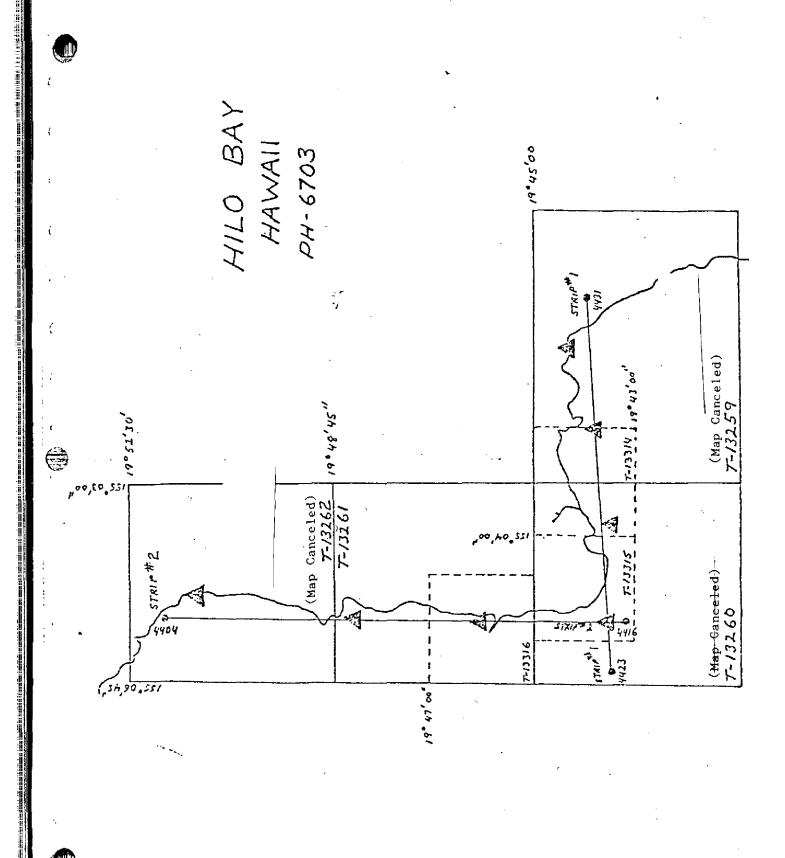
Photography: The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by,

Brian Thornton

Approved and forwarded:

John D. Perrow, Jr. Chief, Aerotriangulation Section



		IN Strip Adju	SIMENI
	ļ		
Strip#1	Point	X-Error	Y-Error
	416/01	 /53	.071
	416102	2.098	2.736
, <u></u>	426101	.476	./87
	426102	. 419	749
	428110	772	898
	429/0/	695	•198
<u>.</u>	431101	.372	082
	431102	.64	886
			·
Strip#2	405100	259	589
·	405/01	.020	<i>0</i> 02
	409/01	045	.007
	409102	.490	
	412100	325	.564
	412101	.03S	008
	416101	03/	.004
	4/6/02	2.203	2.786

•					
NOAA FORM 76-41					U.S. DEPARTMENT OF COMMERCE IN ATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	Y11.Y
T-13261	PH-6703		01d Hawaiian	Coastal Mappi	Mapping Div., AMC
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	REMARKS
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COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY		DATE	LISTING CHECKED BY		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES N	RSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	H IS OBSOLETE.	

COMPILATION REPORT

T-13261

31 - DELINEATION

Delineation was by instrument method using the Wild B-8 stereoplotter and 1:15,000 scale photographs. Photo coverage within the limits of this manuscript was adequate.

32 - CONTROL

Refer to the Photogrammetric Plot Report dated Nov. 14, 1975.

33 - SUPPLEMENTAL DATA

None

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office stereoscopic interpretation of the ratioed photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was office edited and refined from the ratioed photographs.

Alongshore details were delineated by the office interpretation of the ratioed photographs.

36 - OFFSHORE DETAILS

No unusual problems were encountered.

37 - LANDMARKS AND AIDS

There were no landmarks or aids within the limits of this manuscript.

38 - CONTROL FOR FUTURE SURVEYS

None

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated Nov. 14, 1975.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangle Papaikou, Hawaii, scale 1:24,000, dated 1966.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with National Ocean Survey Chart 19320, 12th Ed., scale 1:250,000, dated June 1978.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Cartographic Technician
Date: July 11, 1979

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

Billy H. Barner for

ADDENDUM TO THE COMPILATION REPORT

T-13261 PH-6703

FIELD EDIT

Since the stage of tide of the photographs (1.0 foot above MLLW) would not allow the compilation of a mean lower low water line, none of the ledge areas that the field editor identified were delineated on the manuscript. All of these areas are inside of the breaker limit line, which defines a condition that is hazardous to navigation.

T-13316, which is a 1:5,000 inset on this manuscript, refers to the offshore limit line as "foul with rocks". The same line has been labeled "Breakers" on this sheet to remain consistent with projects CM-7712 and CM-7713. Both terms are describing the same type of hazardous condition which exists along the entire north coast.

The compiled bluffs were removed since they are characteristic of the entire shoreline, and to remain consistent with project CM-7712 with which this manuscript will be registered. The 1:5,000 scale inset (T-13316) has all of the existing bluffs delineated, so a small portion was removed in order that a junction could be effected with this manuscript.

Submitted by:

Jony J. Hanrock for David P. Butler, Cartographer May 17, 1982

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6703 (Island of Hawaii - North Coast)

T-13261

Hanawi Stream Hawaii (island) Heeka Point Hockeo Point Hokeo Point graf Kaapoka Stream Kaieie Stream Kalaoa Stream Kapue Stream Kekiwi Point Koili Point Kukui Point Mokihana Bay Onomea Bay Pacific Ocean Papaikou Waipahi Point

Approved:

Charles E. Harrington

Chief Geographer

Nautical Charting Division

FIELD EDIT REPORT T-13261 HAWAII, EAST COAST October, 1980

DESCRIPTION

The shoreline from Kekiwi Point north to Onomea Bay is characterized by a sinuous, beachless shoreline composed of weathering and overgrown lava flows. The bluffs are heavily vegetated, moderately high (60 to 120 feet) and sheer. Weather and sea action cause continual erosion, resulting in numerous submerged ledges and rocks awash at the base of the bluffs, but there are no significant navigational hazards outside of the "foul with rocks and surf" limits north to Onomea Bay. In Onomea Bay, there are significant submerged rock clusters which may pose a hazard to small craft approaching the shore.

The buildings on shore are generally not of significant landmark value due to the high bluffs, dense vegetation and low profiles of the structures.

METHODS

Field edit was accomplished from a skiff due to the sheer bluffs and dense vegetation along the coastline. Little regard was paid to heights of tide due to the small tidal range and the extreme clarity of the water.

The photographs of the area were very good and all features added to the manuscript were distinguishable on the photos. The paper photos were taken into the field and all rocks and ledges were identified on them using a magnifying glass. They were transferred to the cronopaque photos on the ship using a light table and mirror stereoscope.

All items added to the manuscript are indicated on the photograph in violet ink. The appropriate photo is referenced by number on the T-sheet. Green ink was used on the manuscript to indicate items to be deleted.

ADEQUACY AND COMPLETENESS OF COMPILATION

Compilation on this sheet was complete and accurate with only one notable exception. Four offshore rocks compiled at approximately 19°47'20"N; 155°05'25"W were not found during field investigation. The images on the photographs appear to be foam patches that were prevalent in this area and could have been mistaken for rocks by the compiler.

The foul limits compiled on this sheet were adequate with respect to coastal rocks and ledges. In some areas, the foul limits were extended by the field editor in conjunction with the shoreward ends of sounding lines run by the hydrographer. These foul limits should be labeled "foul with rocks and surf" as sounding lines were terminated where the surf made small boat handling a hazard.

GEOGRAPHIC NAMES

All of the geographic names on this sheet were investigated in the field to determine if they were used by the local residents. The name, Koili Point, at 19°47'34"N, 155°05'27"W, was not verified by any local sources and has been underlined in green ink. It is recommended that this name not be published on the new charts for this point. All other names were verified by at least three local sources and are underlined in violet ink. No new names or changes to names were added on this sheet.

MANUSCRIPT ACCURACY

No formal accuracy tests were conducted.

RECOMMENDATIONS

This manuscript will be complete, accurate and acceptable for charting purposes upon application of field edit data.

Submitted by:

A. J. Junbe.
A. F. Trimble

Ensign, NOAA

Approved by:

W. F. Forster Commander, NOAA

FIELD EDIT NOTE OPR-T126-FA-80 HAWAII, NORTHEAST COAST October, 1980

There is a distinct difference between the northern sheets, TP-00069 and T-13261, and the southern sheets, TP-00070 and TP-00822, in this project. The southern coastline is characterized by heavy surf and rugged lava terrain. Field edit was accomplished by walking the shoreline to identify items on the photographs. The northern coastline is characterized by steep, heavily vegetated bluffs which made walking impractical. Field edit for these sheets was accomplished from an open skiff. Little regard was paid to stages of tide during field edit investigations because of the small tidal range and tremendous clarity of the water in these areas.

Constant heavy surf made standing on rocks and ledges impossible, but photo clarity allowed most items to be picked directly on the photo. In a few instances, water clarity allowed the field editor to see submerged rocks which could not be seen on the photos but could be a potential hazard to mariners. In these instances, foul limits were extended, according to estimated distances, to include the potential hazard.

Compiled foul limits were changed in numerous areas on all of the sheets. In some cases, the foul limits were shown extending much farther seaward than deemed necessary by the field editor. Upon field inspection, these areas were found to have frequent foam patches which can be seen on the photographs and may have been mistaken for rocks or heavy surf.

Launch OIC's were instructed to end sounding lines inshore at the point where the surf, rocks or ledges made small boat handling hazardous. All foul limits were compared to these inshore sounding line limits and adjusted by the field editor to incorporate this data and any additional rocks and ledges added from the photo-identified items. It is recommended that these foul limits be labeled "foul with rocks, submerged ledge and surf" since they were derived by these methods.

All items added to the shoreline manuscript were identified in the field onthe paper photographs using a magnifying glass. These items were later picked on the final, cronopaque photographs using a mirror stereoscope and a light table for greater accuracy. Additions and changes were made to the T-sheet, in violet ink, by sliding the photographs under and tracing the item onto the manuscript. Because of photographic distortions, these positions should all be considered approximate. All deletions were made in green ink.

An investigation of geographic names was performed. United States Geological Survey topographic maps, road maps, and other local sources were consulted (see Geographic Names Report, OPR-T126-FA-80). Prominent names compiled on the T-sheet were underlined in violet or green ink to indicate the recommendation for retention or deletion. Additional new names are written and underlined in red ink.

The only notable inadequacy in compilation was on sheet TP-00070. Photographic coverage for this sheet ended at approximate longitude 155°01'25"W. The section west of this point had no compiled items, demonstrating a possible lack of photo coverage for the compiler. Items were sketched on the T-sheet by the field editor using distances from prominent, identifiable points of land on the manuscript. This is not intended to be a precise survey of this area, but should serve as a guide to the compiler in future interpretations of photographs that were not made available for the field edit operations.

Submitted by:

A. F. Trimble Ensign, NOAA

A. J Irimble

Approved by:

W. F. Forster Commander, NOAA

REVIEW REPORT T-13261 SHORELINE

61 - GENERAL STATEMENT

See the Summary included in 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 Papaikou Hawaii, dated 1966, scale 1:24,000.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a registered copy of hydrographic survey H-9920, FA-10-4-80, 1:10,000 scale, field surveyed Oct./Nov. 1980. No significant differences were noted.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS chart 19320, scale 1:250,000, 13th edition, July 10, 1982.

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 Final Reviewer

Dery L. Hancock

Approved for forwarding,

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved,

Chaef, Photogrammetic Section,

Rockville

Chief, Photogrammetry Branch,
Rockville

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-13261 (PH-6703)

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
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			Drawing No.
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