

FE200

FE200

Diagram No.4116-2

NOAA FORM 76-35A

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

DESCRIPTIVE REPORT (HYDROGRAPHIC)

Type of Survey ... Field Examination
Field No. PF-80-1-65
Office No..... FE-200

LOCALITY

State Hawaii
General Locality .. South Side of Oahu Island
Locality

19 65

CHIEF OF PARTY
L.F. Woodcock

LIBRARY & ARCHIVES

DATE May 1965

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as;

FE No.3 1965

F E No. 3
1965

FE-200

Diag. Cht. No. 4116-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. PF-80-1-65 Office No. F.E.No.3
(1965)

LOCALITY

State Hawaii

General locality South Side of Oahu Island

Locality _____

1965

CHIEF OF PARTY

L. F. Woodcock

LIBRARY & ARCHIVES

DATE May 1965

USCOMM-DC 5087

3
F E No. 3
1965

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. F.E. NO. 3-1965

Field No. PF-80-1-65

State Hawaii

General locality South Side of Oahu Island

Locality _____

Scale 1:80,000 Date of survey 15 March 1965

Instructions dated Amended Instr. dtd 15 Feb 1965

Vessel PATHFINDER

Chief of party L. F. Woodcock

Surveyed by S. L. Hollis

Soundings taken by fathometer, graphic recorder, hand lead, wire P.D.R. No 151/42N

Fathograms scaled by ~~W.S. Shidrich~~ W.S. Simmons

Fathograms checked by ~~D.R.M.~~ Oliver R. MacIntosh

Protracted by ~~W.S. Shidrich~~ W.S. Simmons

Soundings penciled by ~~W.S. Shidrich~~ W.S. Simmons

Soundings in fathoms ~~feet~~ at ~~MLW~~ MLLW

REMARKS: No tide correction

Special Report - Project OPR-419
OAHU ISLAND, South Side

Refer: Amended Instr. dated 15 Feb. 1965

Investigation of the shoal sounding, par. 3 above, was made on 15 March 1965 using control as listed on enclosure (1), and plotted on a mylar overlay of C&GS Chart 4110. ✓

After an exploratory search was made, which determined the existence of the reported shoal, a system of E-W lines were run covering an area of approximately 8 square miles. Maximum line spacing was one-half ($\frac{1}{2}$) mile, while the minimum spacing over the shoal position was 0.2 mile or less. ✓

The minimum corrected depth observed was 124 fathoms at Lat. 21 01.8'N, Long. 157 46.0'W. ✓

Control was adequate for location within the accuracy of the chart on which it will be shown. It is recommended that the above depth, at the position indicated, be added to the chart covering this area.* ✓



L.F. Woodcock
Capt. USC&GS
C.O. Ship Pathfinder

encl: (1) Control
(2) Vel. Corr.
(3) Overlays (3)

* See N.M. No.12, 20 March 1965

CONTROL ON CHART 4110

<u>STATION</u>	<u>DESCRIPTION</u>	<u>CHART</u>
MAK	Tangent at MAKAPUU Point	
HEAD	Lighthouse	DIAMOND HEAD LT.
TRIP	Tripler Army Hospital	TOWER (F.R.Lt.)
PUU	Radar Dome on Puu Manawahua	DOME

VELOCITY CORRECTIONS

(Kealaikahiki Channel - 3/26/65)

Corr. (Fathoms)

+ 2.0
4.0
6.0
8.0
10.0

Depth (Fathoms)

0 - 80
80 - 128
128 - 205
205 - 368
368 -

Field Examination No. 3, 1965
Hawaii
South side of Oahu Island

1. The field inspection was made in compliance with Instructions for Special Project 419, dated February 15, 1965.
2. The purpose of the examination was to prove or disprove a reported 127 fathom sounding in surrounding depths of 250 fathoms in approximate Lat. $21^{\circ}01.5N$, Long. $157^{\circ}46.5W$. This sounding was reported by the M/V Charles H. Gilbert (Chart Letter 217 of 1965).
3. The results of the examination are shown on the accompanying smooth plot overlay.
4. A comparison between the field examination and the green overprint of Chart 4116, 12 edition dated March 28, 1966 indicates the following:
 - a. A least depth of 124 fathoms was found in Lat. $21^{\circ}01.7N$, Long. $157^{\circ}46.1W$, about .4 nautical mile ENE of the charted reported 127-fathom depth. It is recommended that the 124-fathom depth be charted in the above position in lieu of the reported 127-fathom depth.
5. The Descriptive Report adequately covers all other matters pertaining to this examination. No further discussion is considered necessary.

Reviewed by: G. K. Myers
November 21, 1966

Inspected by: R. H. Carstens

Approved: *Wallace A. Bruder, for*
Lorne G. Taylor
Chief, Marine
Chart Division

SPECIAL REPORT - OPR. 419
OAHU ISLAND * SOUTH SIDE

USC&GSS PATHFINDER

L.F. Woodcock, Cmdg.

15 MARCH 1965

MAY 5 - 1965

Chart 4000 - App 6/9/66 OS
4179 - Applied 6/9/66 OS
4102 app 6/13/66 with
4116 -

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. F.E.No. 3-1965

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET			BOAT SHEETS (Mylar)		1	
DESCRIPTIVE REPORT		1	OVERLAYS "		3	
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS / SOURCE DOCUMENTS
ENVELOPES	1					
CAHIERS						
VOLUMES	1					
BOXES						
T-SHEET PRINTS (<i>List</i>)						
SPECIAL REPORTS (<i>List</i>)						

OFFICE PROCESSING ACTIVITIES

The following statistics will be submitted with the cartographer's report on the survey

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				
POSITIONS CHECKED				
POSITIONS REVISED		10		10
DEPTH SOUNDINGS REVISED				
DEPTH SOUNDINGS ERRONEOUSLY SPACED				
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED				
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS				
JUNCTIONS				
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		1		1
SPECIAL ADJUSTMENTS				
ALL OTHER WORK			7	7
TOTALS		1	7	8
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY	BEGINNING DATE		ENDING DATE	
REVIEW BY	BEGINNING DATE		ENDING DATE	
<i>George E. Myers</i>	11/20/66		11/21/66	

57° 50'

273
273
278
278 293 283
243 278 283
293 196 273
243 141 225
258 136
258 161 201
258 223 263
268 238 268
263 228 223
263 268 268
263 253 258
253 243 253
238 238 243
238 233 238
233 228
228
218

NO1
157° 40'

21° 00'

21° 10'

57° 50'

	13A	273	273	273	283
	14A	273	273	278	283
	15A	283	288	278	278
	16A	293	283	278	278
	17A	201	186	278	278
	18A	181	186	273	278
	19A	211	129	273	278
	20A	258	124	263	273
	21A	268	156	263	268
	22A	263	218	263	263
	23A	268	186	263	263
	24A	263	211	258	263
	25A	268	196	258	263
	26A	258	268	258	263
	27A	243	258	258	263
	28A	233	253	258	258
	29A	233	243	253	258
	30A	218	238	253	258
	31A	201	233	253	258

NO2
21° 00'

157° 40'

21° 10'

