

F00010

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NOAA FORM 76-35A	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE	
DESCRIPTIVE REPORT	
Type of Survey	Field Edit
Field No.	
Registry No.	F00010
LOCALITY	
State	HAWAII
General Locality	HONOLULU
Sublocality	HONOLULU HARBOR
.....	
1935	
CHIEF OF PARTY	
.....	
LIBRARY & ARCHIVES	
DATE	

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.2 1935

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POST OFFICE ADDRESS: Fifth Floor Aloha Tower, Honolulu, T. H.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

ANSWERED
FEB 20 1935
DIVISION OF CHARTS

AM 11:54
DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

16 Feb. 1935.

To: The Director.
From: Officer in Charge,
Honolulu Field Station.
Subject: Honolulu Harbor.

80
See field computations ¹⁶¹GTZ (G. 2293) R.F.S.

1. In accordance with your radio of 13th inst. I have determined the positions by triangulation 6D-6R of the new range lights for Honolulu Harbor Channel, new light on Pier No. 1, and new Sand Id. light. The computations are sent herewith. The sketch and recovery notes will follow. Stations occupied are all marked with massive concrete structures. It was expedient to use the station KALAEPOHAKU (Simmons 1927) the position of which has not been adjusted, along with the adjusted positions of WYLLIE and PUNCHBOWL. The positions check very accurately with those given by the Lighthouse Bureau in Local Notice to Mariners No. 23 which has already been sent to you.

2. The shore line of Sand Id. adjacent to the chanel was run in with a sextant and is shown on a section of Chart No. 4109, sent under separate cover. Slight discrepancies were discovered in plotting some of the positions and after checking the projection on Chart No. 4109, these were attributed to errors in the projection. This was particularly noticeable in plotting the position of Fort Armstrong Light, when it fell in the middle of the south side of Pier No. 1 if plotted from the east meridian but more nearly on the corner of the pier when plotted from the west meridian. Positions were also taken on the northwest corner of Pier 2, and on the northwest corner of Pier 2A. The face of Pier 2 is straight with that of pier 1, but pier 2A breaks slightly as shown on the chart in red ink. There is no seawall around Sand Id. as formerly shown. It is all revetment as I have shown in red ink. I have written the angles taken to determine the position of the shore line and piers, on the chart, in order that they may be replotted on a more accurate projection if necessary. Accurate work is not possible on the chart.

3. While the geographic positions of the lights given by the Lighthouse Bureau Notice to Mariners is sufficiently accurate, the bearings and distances in yards seem to have been scaled and may not be so accurate. New positions of buoys should be taken from their Notice to Mariners. Detail as to shore line appears to check with the blueprint which the U. S. Engineers furnished me and which I sent you some time ago. I suggest that it be used to complete the other topography adjacent to the shore, since there have been some changes there. A new imigration building has been erected on the site of the old one and this is shown on the U. S. E. blueprint.

See letter 133 (1935) +

Bp. 28316,

J. H. Peters

F. E. 2 (1935)

OFFICE ADDRESS: Fifth Floor Aloha Tower, Honolulu, T. H.

GRAPH ADDRESS:

ESS ADDRESS:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

18 February 1935.

To: The Director.
From: Officer in Charge,
Honolulu Field Station.
Subject: Honolulu Harbor.

1. I examined another chart of Honolulu Harbor and found that the two parallels varied from 1840 meters on the west edge to 1844 on the eastern. The correct value is 1845.3. The two meridians are 1738 at northern edge and 1735 at Harbor entrance. The correct value is 1729.4 The positions of the new lights were then plotted distributing the errors of the projection and the shore line adjacent to the channel replotted. The results seem to be about the same as the chart sent in a couple of days ago in so much as all positions are from strong fixes. I have also shown some changes in the shore line adjacent to Kewalo Basin and am sending the chart herewith.

J. H. Peters
J. H. Peters

F. E. 2 (1935)

F. E. 2 (1935)

80-CFT

February 28, 1935.

To: The Inspector,
U. S. Coast and Geodetic Survey,
Field Station,
Fifth Floor, Aloha Tower,
Honolulu, T. H.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Honolulu Harbor.

Receipt is acknowledged, with thanks, of your letter dated February 16, 1935, and accompanying copy of chart 4109, showing the corrected shoreline and range lights in Honolulu Harbor; also the triangulation computations.

(Signed) R. S. PATTON

Director.