19362

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Hawaii Kai, HI	KBA-99	162.40 MHz
Mt Kaala, HI	KBA-99	162.55 MHz

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)			
NAME	(LAT/LONG)	Mean Highest High Water	Mean High Water	Mean Low Water	
		feet	feet	feet	feet
Pearl Harbor	(21°21'N/157°57'W)	2.0	1.5	0.2	

Datiths (-) - located in datum courses indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.
Last revised: 12/1/2006

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, Hawaii or at the Office of the District Engineer, Corps of Engineers in Honolulu, Hawaii.
Refer to charted regulation section numbers.

NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The Revocatoal mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the lesser limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

NOTE B

Submerged submarine operations are conducted at various times in the waters contained on this chart. Proceed with caution.

NOTE C

Mariners are cautioned not to anchor within 600 yards of the sewer line.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated)

AERO aeronautical
Al alternating
Bl black
Bn beacon
C can
Dia diaphone
F fixed
Fl flashing
G green
Gp group
Iso isophase
M nautical mile
m minutes
MICRO TR microwave tower
Mo (name) Morse code
N neon
OBSC obscured
Oc occulting
Or orange
Osc oscillating
Q quick
R red
Ra Ref radar reflector
R Bn radiobeacon
Rk rock
S sand
Sh shells
sy shoaly
St Sh radio tower
Rot rotating
s seconds
SEC sector
St M statute miles
VQ very quick
W white
WHG whistle
Y yellow

Bottom characteristics:
Blds boulders
Bk broken
Cy clay
Co coral
Gr gravel
Gm green
Gy gray
h hard
M mud
Oys oysters
Pk rock
S sand
sc scallop
Sh shells
sy shoaly

Miscellaneous:
AUTH authorized
ED existence doubtful
(2) Times, rock, obstruction, or shoal area clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.
COLREGS International Regulations for Preventing Collisions at Sea, 1972.
Obstruction
PA position approximate
PD position doubtful
Rep reported
Submerged
Submerged obstruction.
Demarcation lines are shown thus: — — — —

Formerly C&GS 4133, 1st Ed., Apr 1927. KAPP 2805.

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and U.S. Navy.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

HORIZONTAL DATUM

The horizontal reference datum of this chart is World Geodetic System 1984 (WGS 84), which for charting purposes is considered equivalent to the North American Datum of 1983 (NAD 83). Geographic positions referred to the Old Hawaiian Datum must be corrected as follows: 01.3"78" southward and 9.6"77" eastward to agree with this chart.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas

Additional unchartedsubmarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are buried or remain buried; those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys

SCALE 1:20,000
Nautical Miles
Yards
Meters

SOUNDINGS IN FATHOMS

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES

HAWAII

SOUTH COAST OF O'AHU

KALAELOA

Mercator Projection
Scale 1:20,000 at Lat 21°17'

World Geodetic System 1984
(North American Datum of 1983)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been bended in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE			
B2	1970–1989	NOS Surveys	partial bottom coverage
B4	1900–1939	NOS Surveys	partial bottom coverage
C	1996-2002	US Navy Surveys	partial bottom coverage

CAUTION

Obstructions may be at or near the surface of the water within the limits of this security zone.

DANGER ZONE 334.1360 (see note A)

RESTRICTED AREA 334.1400 (see note A)

SOUTH LIMIT OF DUMPING GROUND (REGULATED)

SOUTH DEMARCATION LINE BY 1420 (see note A)

RESTRICTED ANCHORAGE A 110.236 (see note A)

RESTRICTED ANCHORAGE B 110.236 (see note A)

RESTRICTED ANCHORAGE C 110.236 (see note A)

SECURITY ZONE 165.1407 (see note A)

KALAELOA BARBERS POINT LT

Ewa Beach

Pu'ukapolei

Pu'uhuluhulu

SISAL

EWA

CONTINUED ON CHART 19307

CONTINUED ON CHART 19340

JONES CHART 19363

19362

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov/staff/contact.html.

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.html.

SOUNDINGS IN FATHOMS

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51
METERS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Kalaeloa
SOUNDINGS IN FATHOMS - SCALE 1:20,000

19362

14th Ed., Aug. 2009. Last Correction: 7/25/2016. Cleared through:
LNM: 4816 (11/29/2016), NM: 5016 (12/10/2016)

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If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

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