

HONOLULU HARBOR



Air Survey Hawaii Photo

Honolulu Harbor transformed a sleepy little fishing village into Hawaii's center of commerce and government. With its stunning backdrop of the sheer Ko'olau Mountains and a waterfront dominated by gleaming office high-rises in the financial district of downtown Honolulu, Honolulu Harbor is a hardworking harbor. Large container ships and tankers are on the move night and day, loading and discharging around the clock. Tugs move inter-island and ocean-going barges in and out. Auto carriers make regularly scheduled stops. Cargo ships unload and load commodities such as groceries, household goods, pineapple, sugar, grain, molasses, cinders and sand.



The U.S. Coast Guard provides security and rescue services statewide.



HONOLULU HARBOR



A container ship being unloaded at Sand Island.

Honolulu Harbor offers over 200 acres of container yard and over 30 major berth facilities with over five linear miles of mooring space. Honolulu Harbor is 40-feet deep and contains five components: the Main Channel, the Main Harbor Basin, the Kāpalama Channel, the Kāpalama Basin and Kalihi Channel. The Main Channel, often referred to as the Fort Armstrong Channel, is Honolulu Harbor's entry and exit point. It is located at the harbor's east end and has a depth of 45 feet. The Kalihi Channel is located west of Sand Island but is not used because the Sand Island Access Road drawbridge over the channel is permanently fixed in place to allow for the uninterrupted flow of containers to and from the container terminals on Sand Island. Except during *kona* (*i.e.*, southerly) wind conditions, anchorage for the deep-draft vessels exist outside the harbor in Māmalia Bay off Sand Island and west of the Main, or Fort Armstrong, Channel. The anchorage is located within 600 yards on either side of the underwater sewer outfall line. Anchorage is not permitted inside the harbor due to the limited swinging room.

The mean tidal range at Honolulu Harbor is 1.9 feet. The extreme range is 2.3 feet under normal conditions with the highest tide on record at 3.1 feet and the lowest on record is minus 1.15 feet. The tidal current floods west and ebbs east along the coast between Makapu'u Point at O'ahu's eastern end and Honolulu Harbor.

For more information on Honolulu Harbor, please contact the O'ahu District Manager's Office at:

Department of Transportation
Harboes Division
Pier 11 Gallery (Makāi)
700 Fort Street Mall
Honolulu, Hawai'i 96813
Telephone: (808) 587-2050



Aloha Tower Marketplace Complex is the home of the Falls of Clyde and the Hawaii's Maritime Center at Pier 7.



Honolulu Harbor's foreign container terminal is located at Fort Armstrong.



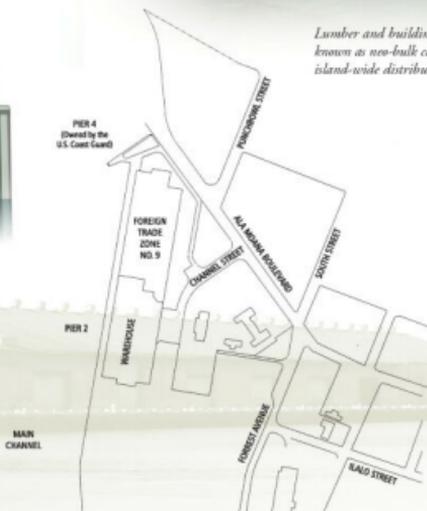
PIER 1: FORT ARMSTRONG

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
1	1,175	20.1	111,337	40	Foreign containers and neo-bulk cargos.

* For current depths, please contact the Harbors Division.



Lumber and building materials (also known as neo-bulk cargo) destined for island-wide distribution.



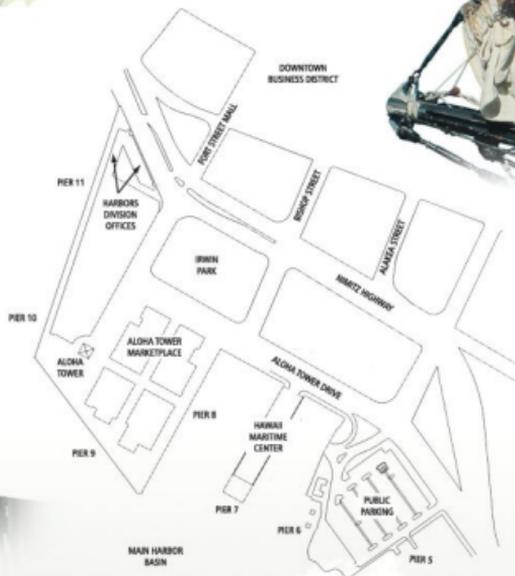
PIER 2: FORT ARMSTRONG

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
2	1,850	8.9	169,355	35	Cruise ship terminal, Foreign-Trade Zone No. 9 and neo-bulk cargo.

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HONOLULU HARBOR

PIERS 5-11



PIERS 5 THROUGH 11: ALOHA TOWER MARKET PLACE COMPLEX

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
5	200			15	Small passenger vessels.
6	163			15	Small passenger vessels and vehicle parking.
7	380 (East Face) 330 (West Face)			30 30	Falls of Clyde and the Hawaii Maritime Center.
8	602			34	Small passenger vessels and retail space.
9	629			33	Miscellaneous vessels and retail space.
10	502			34	Cruise ship terminal and vehicle parking.
11	472			34	Cruise ships and Harbors Division Administrative Office.

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HONOLULU HARBOR

PIERS 12-18



A hard-working tug boat heading for action.



The Harbor Fireboat provides around-the-clock fire protection services.



PIERS 12 THROUGH 18: KEWALO BASIN ANNEX

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
12	0			22	Vehicle parking.
13	345		13,824	25	Tugboats, office space and vehicle parking.
14	280		13,825	21	Tugboats, office space and vehicle parking.
14 END	150			35	
15	250	0.4	5,498	12 - 20	Harbor Fireboat.
16	930			18	Commercial fishing boats.
17	971			20	Commercial fishing boats.
18	214			20	Pilot boats, loading dock, storage and repair sheds.

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PIERS 19-29



The Pier 19 Ferry Terminal was completed in 2003.



A grain ship discharges its cargo at Pier 22.



PIERS 19 THROUGH 29

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
19	530	0.3	87,845	32-34	Tugboats, barges, cruise ships, ferry terminal, general cargo and storage shed.
20	480	3.0		34	Tugboats, barges, cruise ships and general cargo.
21	494	0.4		35	Tugboats, barges and office space.
22	446	0.8		33	Tugboats and water taxis.
23	500	2.9		31	Barges, grain ship and grain storage.
24	558	3.4		25	Tugboats, barges and general cargo.
25	365	0.5		30	Tugboats, barges and general cargo.
26	685	3.9		30	Tugboats, barges and general cargo.
27	500	2.4		30	Tugboats, barges and general cargo.
27 DDG LEG	225			20	
27 EMD	150			30	
28	722	0.9		35	Tugboats, barges and general cargo.
29	801	7.8		35	Tugboats, barges, general cargo and RRCD.

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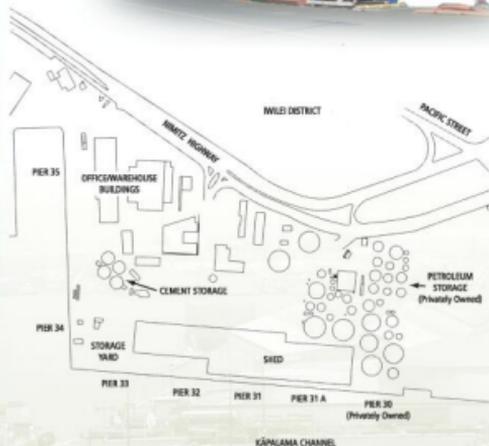
HONOLULU HARBOR

PIERS 31-35

An oil spill response vessel (OSRV) at berth at Pier 35.



Bunkering (or fuelling) services are available at Pier 34.



PIERS 31 THROUGH 35

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
31	400	0.2	74,130	35	General cargo and storage sheds.
31 A	375			35	
32	400	3.3	99,400	35	Bunkering, pipelines, general cargo and RO/RO.
33	325	4.1	67,228	35	General cargo, dry bulk cargo and RO/RO.
34	545	2.0		35	Bunkering, pipelines and general cargo.
35	705	1.9		35	Oil spill response vessel and general cargo.

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PIERS 36-38



Fish Auction House Plans



PIERS 36 THROUGH 38: DOMESTIC COMMERCIAL FISHING VILLAGE

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
36	546 (East Face) 400 (West Face)		32,400	35	Commercial fishing boats.
37	408			10	Commercial fishing boats and fish auction.
38 END	587			20	Commercial fishing boats.
38	62			25	Propane barge.

* For current depths, please contact the Harbors Division.



Design Partners, Inc. Renderings



Artist rendering of the Domestic Commercial Fishing Village. This facility will provide central support for the local fishing fleet and its customers, namely wholesalers and the fish auction.



A research vessel docked at the University of Hawaii's Marine Center, Piers 44 and 45.

A barge being loaded with containers at the inter-island cargo terminal.



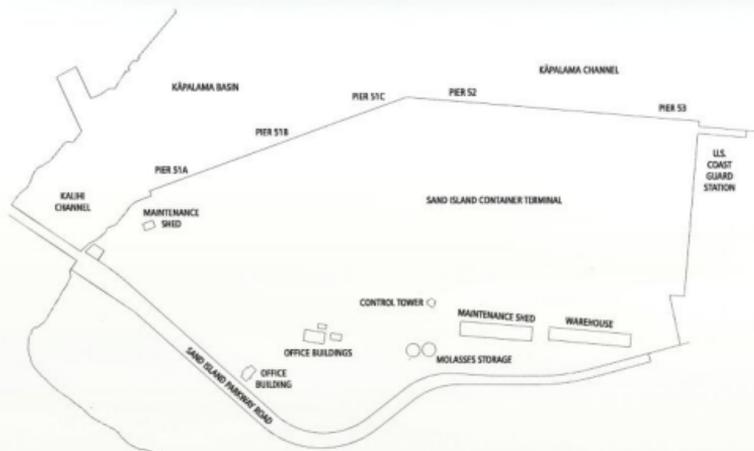
PIERS 39 THROUGH 45

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
39 1A	320	16.1	98,239	30	Barges and tugboats, break-bulk and container cargos, and RO/RO.
39 A	513				
39 B	513				
39 C	100				
39 D	513				
39 E	513				
39 F	250				
40 A	500	10.8	67,500	30	Barges and tugboats, break-bulk and container cargos, and RO/RO.
40 B	505				
40 C	250				
40 D	505				
40 E	500				
40 F	170				
41	900			22 - 34	Dry-docks and ship repair facility.
42	210 (East Side)			22 - 34	Container freight station.
	300 (West Side)			22 - 34	

* For current depths, please contact the Harbor Division.



A mobile crane loading containers destined for the neighbor islands.



PIERS 51 THROUGH 53: SAND ISLAND

PIER	BERTH LENGTH (feet)	YARD AREA (acres)	SHED AREA (sq. ft.)	DESIGN DEPTH AT PIER (feet) *	PRINCIPAL CARGO/PIER USE
51A	680	26.3		37	Domestic containers, autos, RC/RO and petroleum.
51B	556	31.1		37	Domestic containers and autos.
51C	677	11.9		40	Domestic containers and autos.
52	800	31.5	50,300	40	Domestic containers and autos.
53	1,160	37.4	51,481	40	Domestic containers and autos.

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