

2012-2013 MARITIME HANDBOOK



PORT OF OAKLAND

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For a Service Directory of companies, organizations, and associations providing affiliated port services, visit <http://www.portofoakland.com/maritime/directory.asp>



Port of Oakland Commissioners

The Board of Port Commissioners for the Port of Oakland recently installed three new commissioners and elected a new President. The Charter of the City of Oakland vests the Board of Port Commissioners with exclusive control and management of the Port. The Board consists of seven members nominated by the mayor and appointed by the City Council for four-year terms. Members must live in Oakland during their term and at least 30 days prior to their appointment. Members of the Board serve without salary or compensation.



Gilda Gonzales
President



James W. Head
First Vice-President



Alan S. Yee
Second Vice-President



Cestra "Ces" Butner



Earl S. Hamlin



Bryan Parker



Victor Uno

Secretary of the Board
John Betterton
Phone: 510 627 1696
Email: jbetterton@portoakland.com

Executive Leadership

Deborah Ale Flint, Acting Executive Director 510 627 1133
 Jean Banker, Deputy Executive Director 510 627 1325
 530 Water Street Oakland, CA 94607 510 627 1100

dale@portoakland.com
 jbanker@portoakland.com
 www.portofoakland.com

Maritime Division

Maritime Administration

Jean Banker, Maritime Director (Acting) 510 627 1325
 Brenda James, Executive Assistant 510 627 1189

jbanker@portoakland.com
 bjames@portoakland.com

Administration and Finance

Mark Erickson, Senior Maritime Projects Administrator 510 627 1549
 Delphine Prevost, Senior Maritime Projects Administrator ... 510 627 1141
 Ramona Dixon, Maritime Project Coordinator 510 627 1634
 Lisa Franco, Senior Pricing & Contracts Analyst 510 627 1574
 Cornel Hammons, Senior Accounts/Budget Analyst 510 624 1352
 Yen Tran, Port Assistant Management Analyst 510 627 1376

merickson@portoakland.com
 dprevost@portoakland.com
 rdixon@portoakland.com
 lfranco@portoakland.com
 chammons@portoakland.com
 ytran@portoakland.com

Operations

Mike O'Brien, Maritime Security Office 510 627 1303
 Eric Napralla, Maritime Security Project 510 627 1403
 Chris Peterson, Chief Wharfinger 510 627 1308
 Robert Cathey, Wharfinger 510 627 1547
 Rich Taylor, Wharfinger 510 627 1393
 Ralph Reynoso, Wharfinger 510 627 1313
 Justin Taschek, Wharfinger 510 627 1309

mobrien@portoakland.com
 enapralla@portoakland.com
 cpeterson@portoakland.com
 rcathey@portoakland.com
 rtaylor@portoakland.com
 rreynoso@portoakland.com
 jtaschek@portoakland.com

Marketing

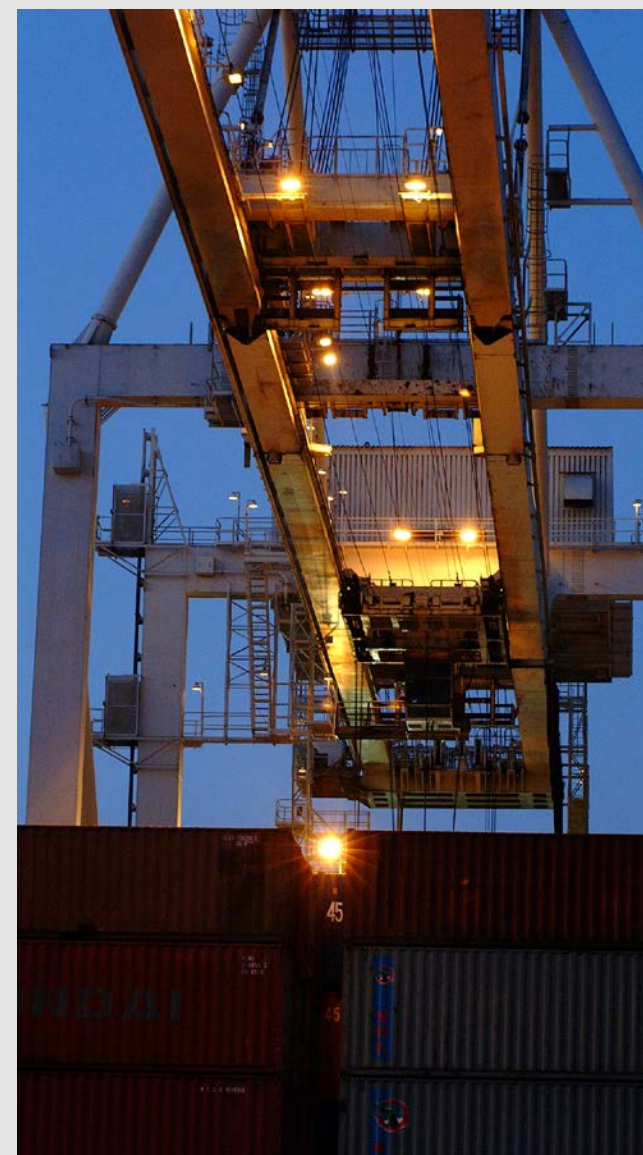
Lawrence Dunnigan, Manager Business Development &
 International Marketing 510 627 1834
 Ron Brown, Maritime Commodities Representative 510 627 1166
 Ricky Sun, Business Development & Marketing 510 627 1319

ldunnigan@portoakland.com
 rbrown@portoakland.com
 rsun@portoakland.com

Harbor Facilities

Bill Morrison, Facilities Management 510 627 1500

bmorrison@portoakland.com

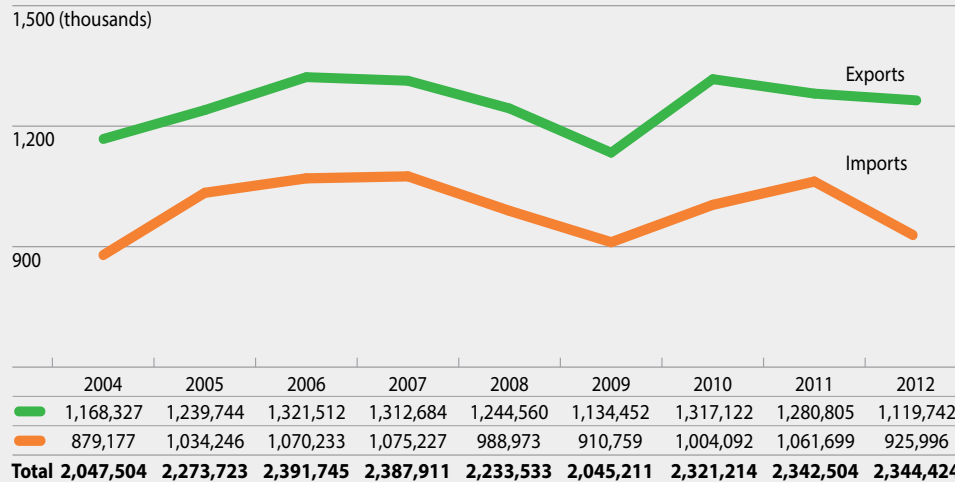


2012 Port of Oakland Throughput Statistics

Month	FULL				EMPTY				Grand Total	
	Import	Trend*	Export	Trend*	Import	Trend*	Export	Trend*		
January	70,719	▲ 12.8%	81,899	▲ 6.9%	23,386	▲ 12.3%	19,700	▼ -9.9%	195,704	▲ 7.5%
February	50,257	▼ -15.5%	78,274	▲ 4.1%	21,614	▼ -5.7%	16,781	▼ -6.8%	166,926	▼ -4.9%
March	62,854	▲ 8.2%	91,620	▲ 2.3%	25,835	▼ -16.2%	17,048	▼ -10.2%	197,357	▼ -0.2%
April	63,390	▼ -3.2%	80,279	▼ -5.5%	24,289	▲ 0.5%	20,127	▲ 18.6%	188,085	▼ -1.8%
May	72,278	▲ 5.2%	84,443	▲ 1.8%	19,188	▼ -11.2%	27,537	▲ 32.8%	203,446	▲ 4.9%
June	70,730	▲ 1.5%	75,359	▼ -8.7%	19,538	▲ 7.6%	31,708	▲ 4.4%	197,335	▼ -1.7%
July	70,586	▲ 1.5%	78,359	— 0.0%	18,837	▼ -1.6%	34,211	▲ 11.9%	201,993	▲ 2.2%
August	70,308	▼ -7.4%	81,845	▼ -3.9%	22,152	▼ -4.8%	33,021	▲ 2.3%	206,966	▼ -4.3%
September	65,425	▼ -6.9%	75,961	▼ -5.7%	20,276	▲ 0.5%	30,103	▲ 1.9%	191,495	▼ -4.4%
October	67,815	▲ 3.6%	89,312	▲ 4.1%	27,394	▲ 36.2%	23,106	▼ -10.8%	207,627	▲ 5.3%
November	63,914	▼ -7.0%	80,771	▼ -8.5%	23,848	▲ 2.0%	22,023	▲ 13.6%	190,566	▼ -4.6%
December	63,870	▲ 1.0%	89,349	▲ 5.6%	24,355	▲ 22.6%	19,360	▼ -13.2%	196,934	▲ 3.6%
Total	792,146	▼ -6.4%	986,841	▼ -0.7%	270,712	▲ 2.4%	294,725	▲ 2.7%	2,344,424	— 0.0%

* Denotes change versus same time period from previous year.

Annual Port Growth in TEU



Five-Year Oakland Throughput Statistics

Year	FULL		EMPTY		Grand Total	Trend*
	Import	Export	Import	Export		
2008	796,404	910,700	192,569	333,860	2,233,533	▼ -6.5%
2009	701,501	966,882	209,258	167,570	2,045,211	▼ -8.4%
2010	802,657	955,579	209,878	362,343	2,330,457	▲ 13.9%
2011	797,228	993,926	264,471	286,879	2,342,504	▲ 0.5%
2012	792,146	986,841	270,712	294,725	2,344,424	— 0.0%
Total	3,889,936	4,813,928	1,010,026	1,283,553	11,296,129	

* Denotes change versus same time period from previous year.

2012 Port of Oakland Throughput Statistics

Top Imports by Commodity Value	Containerized Value (\$millions)
1 Machinery	\$3,782
2 Electronics	\$3,495
3 Apparels	\$2,657
4 Wine and Spirits	\$1,539
5 Furniture and Bedding	\$1,487
6 Coffee, Tea, Spices	\$960
7 Plastics	\$886
8 Toys/Sports Equipment	\$847
9 Vehicles	\$842
10 Medical Instruments	\$585
11 Iron and Steel	\$550
12 Rubber Products	\$525
13 Footwear	\$459
14 Wood Products/Charcoal	\$417
15 Paper and Paperboard	\$319
All Others	\$5,685
Total	\$25,035

Top Exports by Commodity Value	Containerized Value (\$millions)
1 Fruits and Nuts	\$2,581
2 Meats	\$2,300
3 Machinery	\$801
4 Wine and Spirits	\$778
5 Rare Earth Minerals	\$548
6 Medical Instruments	\$514
7 Vehicles	\$412
8 Cereals	\$378
9 Dairy Products	\$373
10 Foodstuffs	\$334
11 Inorganic Chemicals	\$329
12 Electronics	\$300
13 Organic Chemicals	\$293
14 Cotton	\$287
15 Sugar and Confectionery	\$277
All Others	\$3,736
Total	\$14,241

Top Import Countries by Value	Containerized Value (\$millions)
1 China	\$12,115
2 Taiwan	\$1,441
3 Japan	\$1,043
4 Australia	\$862
5 Vietnam	\$847
6 Thailand	\$734
7 Indonesia	\$636
8 France	\$583
9 Germany	\$576
10 South Korea	\$555
11 New Zealand	\$465
12 Italy	\$452
13 Malaysia	\$396
14 India	\$318
15 Singapore	\$284
All Others	\$3,727
Total	\$25,034

Top Export Countries by Value	Containerized Value (\$millions)
1 Japan	\$3,348
2 China	\$2,357
3 South Korea	\$1,265
4 Taiwan	\$887
5 Hong Kong	\$807
6 Australia	\$526
7 United Kingdom	\$438
8 Germany	\$388
9 Singapore	\$310
10 India	\$236
11 France	\$194
12 United Arab Emirates	\$187
13 Thailand	\$186
14 Turkey	\$185
15 Philippines	\$184
All Others	\$2,743
Total	\$14,241

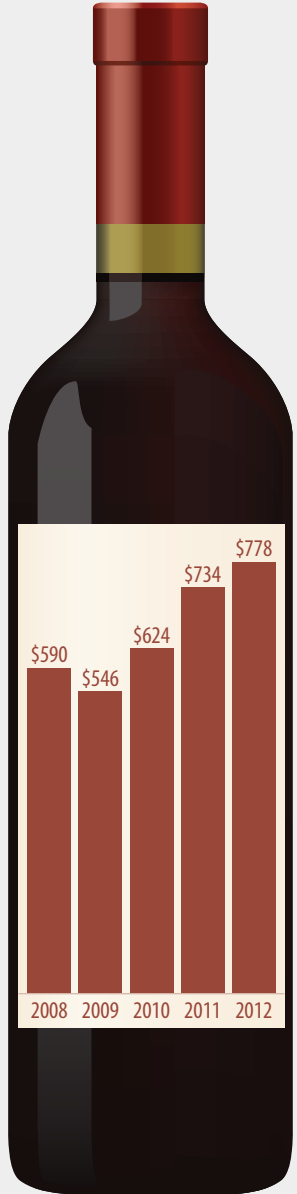
Top Imports by Weight	Containerized Weight (metric tons)
1 Wine and Spirits	821,832
2 Furniture and Bedding	415,608
3 Wood Products/Charcoal	317,469
4 Glass Products	295,973
5 Plastics	283,639
6 Iron and Steel	231,008
7 Paper and Paperboard	216,063
8 Machinery	202,579
9 Electronics	197,997
10 Coffee, Tea, Spices	190,688
11 Prepared Vegetables, Fruits and Nuts	184,396
12 Stone, Plaster, Cement	162,386
13 Vehicles	147,616
14 Toys/Sports Equipment	119,633
15 Rubber Products	105,056
All Others	1,739,923
Total	5,631,866

Top Exports by Weight	Containerized Weight (metric tons)
1 Waste Paper	1,108,402
2 Fruits and Nuts	815,968
3 Meats	598,484
4 Wine and Spirits	532,932
5 Cereals	521,793
6 Iron and Steel	517,938
7 Wood Products/Charcoal	279,467
8 Prepared Vegetables, Fruits and Nuts	203,249
9 Sugar and Confectionery	171,145
10 Plastics	161,201
11 Edible Vegetables, Roots and Tubers	145,938
12 Aluminum	137,579
13 Grains and Seeds	116,537
14 Dairy Products	116,419
15 Animal Feed	110,152
All Others	1,086,329
Total	6,623,533

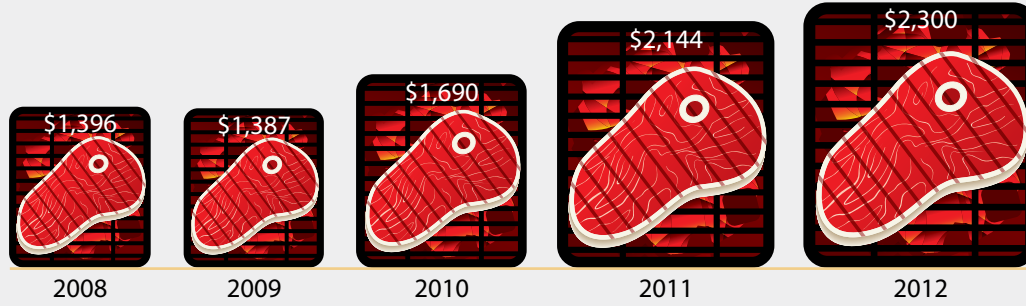
Source: Port of Oakland data

Export Growth—Selected Commodities

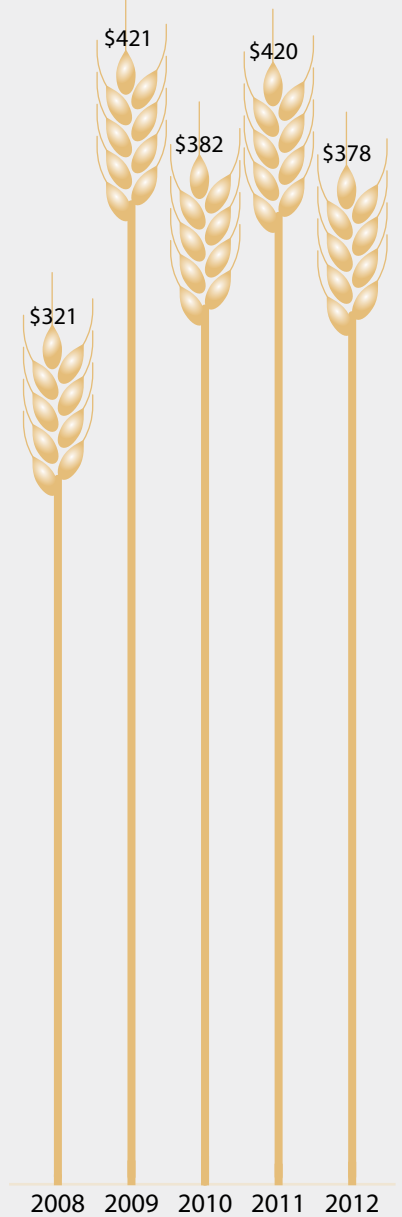
Beverages
(\$ millions)



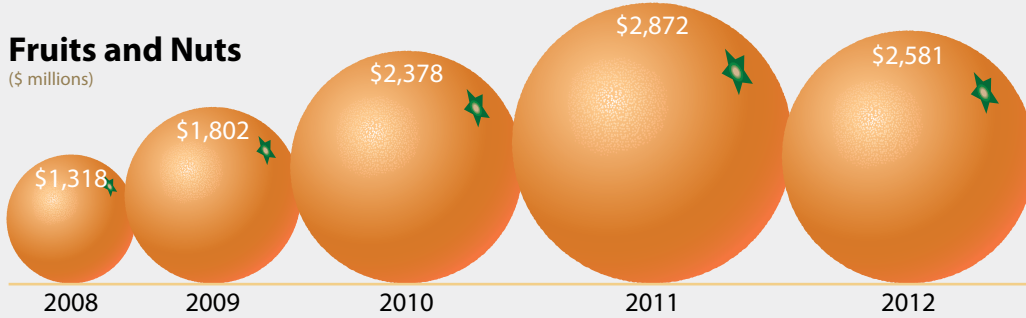
Meats
(\$ millions)



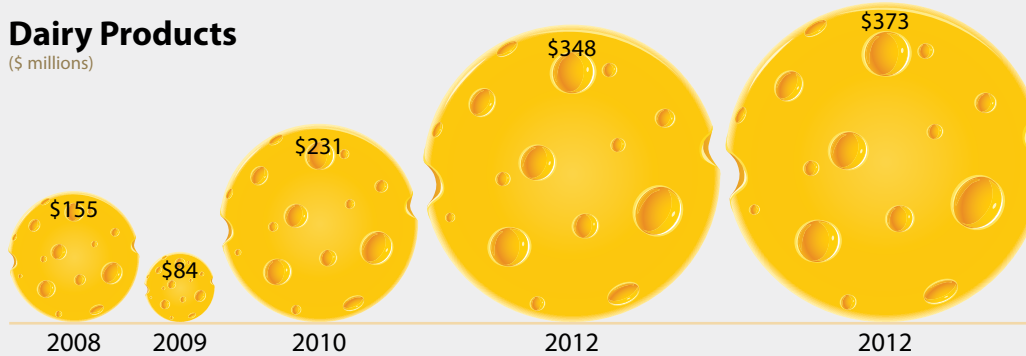
Cereals
(\$ millions)



Fruits and Nuts
(\$ millions)



Dairy Products
(\$ millions)



Import Growth—Selected Commodities

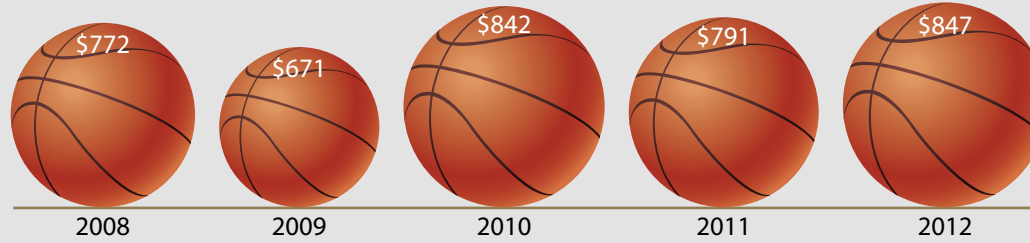
Vehicles

(\$ millions)



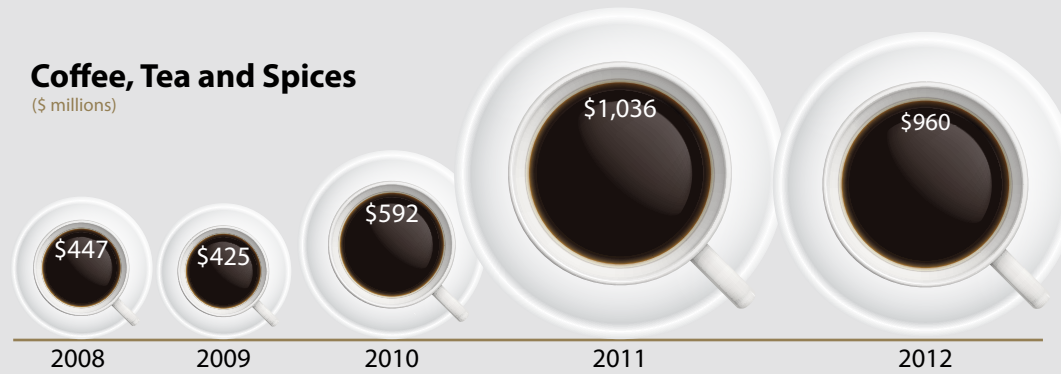
Toys and Sports Equipment

(\$ millions)



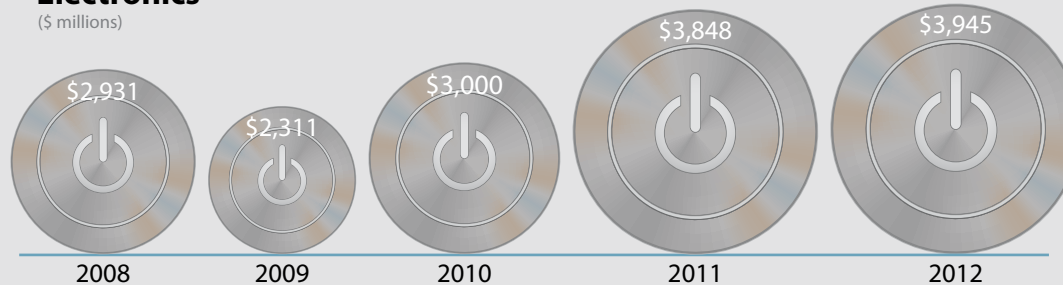
Coffee, Tea and Spices

(\$ millions)



Electronics

(\$ millions)



Apparel & Textiles

(\$ millions)



Timeline of Port's Maritime History



The Oakland Long Wharf and Mole as seen from Yerba Buena Island in the 1880s.



Steamships on the Oakland waterfront, early 1920s.



The Port of Oakland's Grove Street Pier opened in 1928 between Grove and Jefferson Streets, on the site of Municipal Dock No.1.

1850

Marks the first settlement in Oakland, the same year California achieved statehood. Horace W. Carpentier, a local attorney, filed a claim for the original townsite. At the time, the waterfront was virtually undeveloped, except for three small wharves at the foot of Broadway, Webster, and Washington Streets.

1869

The Oakland rail terminus became the Central Pacific terminus of the transcontinental railroad and the state's most important rail center (in 1885 it became the Southern Pacific terminus).

1870

Square-riggers drawing 17 feet of water were calling at wharves along the Oakland waterfront.

1880

When California was the center of the American whaling industry, fleets of whaling barks (whaling ships) laid up for the winter in the estuary-protected waters.

1890

Alaska Packers Association, the world's largest salmon-packing concern, berthed in the Oakland estuary.

1900

Opening of the Howard Terminal. The terminal was originally a privately owned cargo facility occupying 17 acres at the foot of Filbert Street in West Oakland.

1904

The Santa Fe Railroad extended its tracks from Richmond, California to Oakland.

1905

Oakland voters approved a series of bonds designated to enhance the appearance and well-being of the city, which included the establishment of a municipal port.

1910

The Western Pacific Railroad began services in Oakland.

• • •

Work on the municipal port improvements began. The improvements included 3 separate projects: (1) A bulkhead with wharves on the Oakland western waterfront, (2) a quay wall and transit shed on the estuary near Broadway, and (3) a pier on the estuary in East Oakland.

1924

The Oakland City Council appointed a board of three consulting engineers to formulate the city's first long-range plan for port development.

1925

The engineers published "Report on Port of Oakland," which provided an overview of existing facilities, analyzed current problems, and made recommendations for future development including: a wharf and transit shed on the western waterfront at the end of Fourteenth Street; a pier with double transit shed on the estuary between Grove and Jefferson Streets.

1926

Voters approved a permanent Oakland Board of Port Commissioners and the establishment of the Port.

1927

The State Legislature ratified the charter of December 21, 1926 allowing for the establishment of the Port of Oakland.

• • •

The Port of Oakland becomes official with the opening of its first terminal in the Outer Harbor.

1928

The Port handled 316,377 tons of cargo despite the depressed world economy.

1929

The U.S. Treasury Department designated Oakland a full port of entry and established a local customs service.



Steamships docked at the Outer Harbor's Fourteenth Street Unit, 1930s.



Grove Street Terminal looking west, 1934.



Oakland Army Base, 1940s.



Break-bulk operations in the 1950s.

1930

The Port of Oakland was a regular port of call for more than 40 steamship lines. Trade routes extended up and down the coast, across the Pacific, and through the Panama Canal to the Gulf of Mexico, the Caribbean, South America, the Atlantic seaboard, and Europe. Virtually all of this shipping was cargo related, with limited passenger service on some lines.

• • •

Ninth Avenue Terminal opened.

• • •

Port's workforce of longshoremen average about 175 unionized members.

1931

Most of the projects outlined in "Report on Port of Oakland" were completed.

• • •

The Inland Waterways Terminal on Webster Street opened.

1936

The San Francisco–Oakland Bay Bridge opened. The bridge brought about a sharp increase in trucking at the Port of Oakland.

1941

The bombing of Pearl Harbor thrust the United States into World War II. WW II transformed Oakland into one of the nation's busiest military ports. The Oakland Naval Supply Depot spread over the Port's Middle Harbor area. The Outer Harbor Terminal functioned as part of the Oakland Army Base.

1943

Ninth Avenue Terminal was taken over by the U.S. Pacific Naval Air Bases Command.

1956

The beginning of containerized shipping as Sea-Land Services of New Jersey, began stowing cargo in steel boxes, which could be detached from a truck chassis and carried aboard to ships. At the time, shipboard cranes were used to move these containers.

• • •

The Port begins to implement its current system of leasing its marine terminals to private-sector terminal operators.

1958

Matson introduced the concept of containerization to the Pacific Coast. Matson utilized more expensive land-based cranes because it served only a few ports.

1960

The Port of Oakland handled the second-largest volume of containers among world ports after New York. The Port was handling 2.5 million tons of cargo annually.

1961

The Mechanization and Modernization Agreement enacted by the International Longshore and Warehouse Union and the Pacific Maritime Association led to the widespread use of containerization on the Pacific Coast.

1962

The Port of Oakland, in collaboration with Sea-Land, introduced large-scale container operations to the Pacific Basin. On September 27 the containership Elizabethport inaugurated service between New Jersey and California.

1966

Sea-Land switched from shipboard cranes to land-based cranes. The two Paceco A-frame cranes installed that year were the first container cranes on Oakland's waterfront.

1968

Oakland's annual cargo volume grew from 2.5 million tons in 1962 to nearly 4 million tons, 40 percent of which was containerized.

• • •

Following intensive years of negotiations, Ben Nutter and Shoichi Kuwata persuaded six Japanese steamship companies to base their U.S. container operations at the Port of Oakland.

1970

The Port of Oakland began establishing "sister ports." Ports around the world would come to Oakland to attend Port Management training courses. This also resulted in the *Modern Marine Terminal Operations and Management* textbook published by the Port in 1983.

1980

Oakland exceeds 12 million tons of cargo.

• • •

By the early 1980s, a majority of the Port's older maritime facilities had been replaced by a complex of container terminals operated under lease by various stevedoring companies and steamship lines.

1982

Dedicated on October 20th, the Charles P. Howard Terminal was named in honor of the founder of the old Howard Terminal. The terminal covers 50 acres with two-berth and four-crane facility.



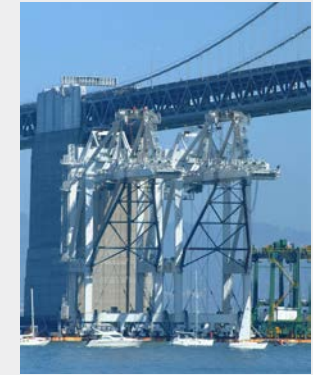
Shipboard cranes on the Elizabethport, Sea-Land Terminal, Oakland, September 17, 1962.



Dedication ceremonies at Seventh Street, September 12, 1968.



Paceco cranes at Sea-Land Terminal, 1960s.



Post-Panamax cranes pass under the Bay Bridge, March 2005.

1985

The Union Pacific (now controlling the Western Pacific and Southern Pacific systems) inaugurated double-stack train service through California's Sierra Mountain range.

1994

On April 7, the TraPac Terminal facility was formally dedicated. The TraPac Terminal occupies 21 acres of the Albers Milling Company plant vacated in 1988.

1998

On June 17, the former Public Container Terminal and later the Marine Container Terminal was renamed Ben E. Nutter Terminal in his honor. Nutter, Port of Oakland's executive director was the person most responsible for the dramatic growth of the Port through the decade.

1999

The Port of Oakland's Board Commissioners certified the final Environmental Impact Report (EIR) for the Port's Joint Intermodal Terminal (JIT) Project

• • •

The Navy's Fleet & Industrial Supply Center, Oakland reverted to Port ownership. This opened the way for new berths and an intermodal rail facility on the site.

2000

Launch of *Vision 2000*. Made possible by the reversion of the U.S. Navy Fleet Industrial Supply Center to city ownership, *Vision 2000* was the largest maritime expansion in the Port's history. It included the Joint Intermodal Terminal, Oakland Harbor Navigational Channel Dredging, and Middle Harbor Shoreline Park.

• • •

The arrival of the Port's first 4 post-Panamax cranes.

2002

The grand opening of the Joint Intermodal Terminal (JIT). Operated by Burlington Northern and Santa Fe Railway Company as the Oakland International Gateway. The facility is another component of the Vision 2000 Project.

2003

The former Oakland Army Base is transferred to the City of Oakland and Port of Oakland. The Oakland Army Base is approximately 372 acres.

2004

The Port of Oakland and SSA renames Hanjin Terminal (Berths 57-59) to Oakland International Container Terminal.

CMA CGM Hugo, the first 8,000 TEU vessels to enter the San Francisco Bay calls the Port of Oakland.

• • •

Grand opening of the Middle Harbor Shoreline Park.

• • •

The Port of Oakland achieves a record volume of 2 million TEUs.

2005

Port launches truck repowering project. The program is designed to cut emissions from trucks that operate at the Port's maritime facilities. An investment of \$1.5 million in grant aim to help heavy-duty trucks that haul shipping containers in the Port maritime facilities.

2006

The Port of Oakland, City of Oakland, Oakland Base Reuse Authority, and Oakland Redevelopment Agency and State Lands Commission closed escrow on the former Oakland Army Base property. This marks the title transfer of the base to the Port and the City.

2007

The Board of Port Commissioners approved a \$275,000 investment to test a new, mobile, shore power technology. This was the first major pilot project on shore power at the Port targeted to reduce diesel emissions.

2009

Port adopts Comprehensive Truck Management Plan to address air quality, safety and security, business and operations, and community concerns related to trucking cargo at Port.

• • •

Completion of the 50-foot Oakland Harbor Deepening Project to accommodate the newer, larger containerships.

2011

Port of Oakland Allocates \$2.7 million for shore power & Innovative Energy Study.

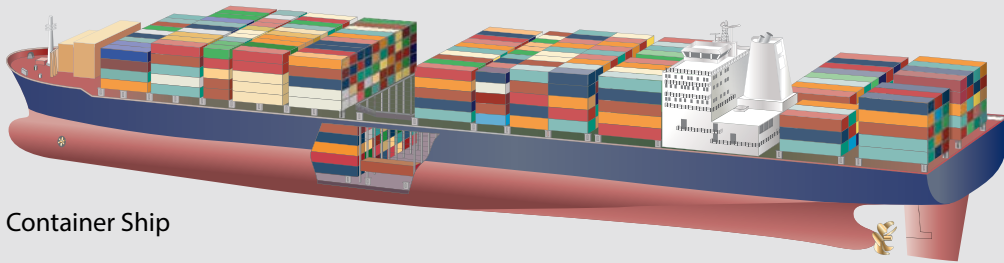
2012

MSC Beatrice calls the Port of Oakland. It is the first 14,000 + TEU vessel to call North America.

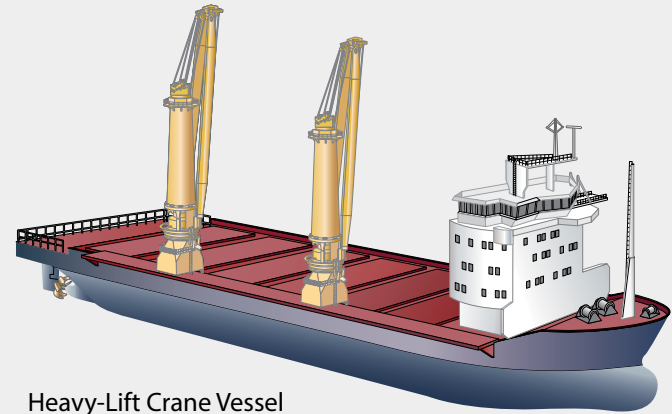
• • •

The Port receives a \$15 million TIGER Grant to be used for the Oakland Army Base Development Project.

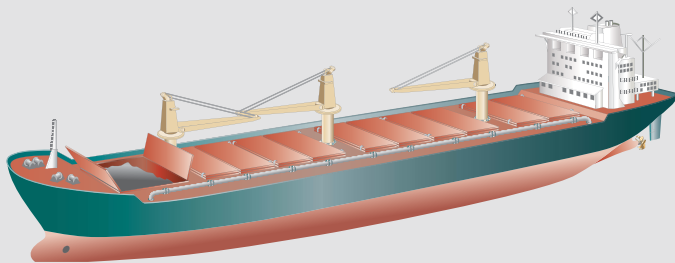
Vessel Types



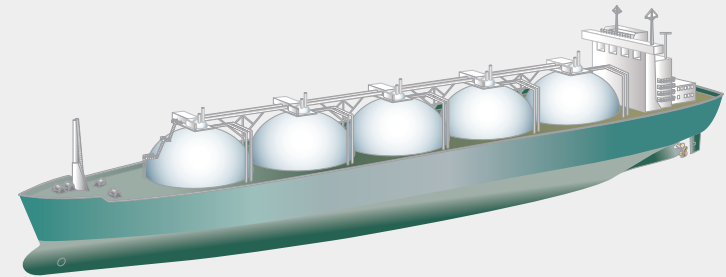
Container Ship



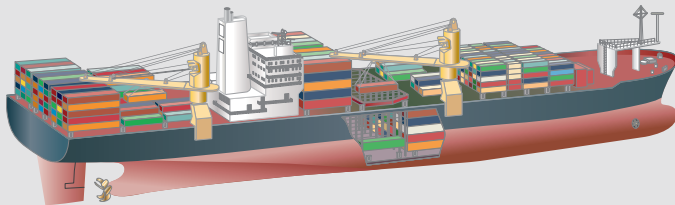
Heavy-Lift Crane Vessel



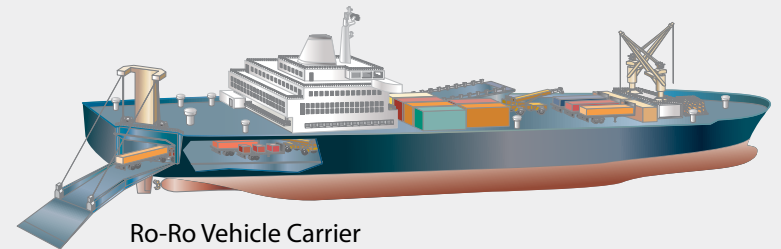
Bulk Carrier



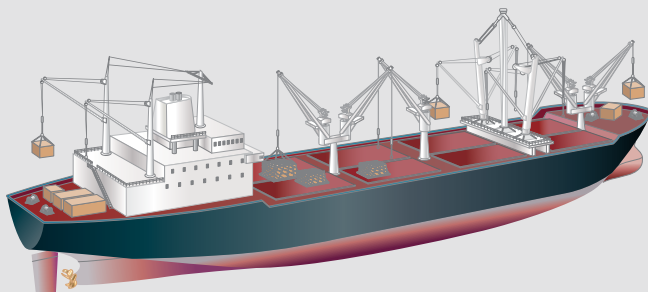
Liquid Natural Gas (LNG)



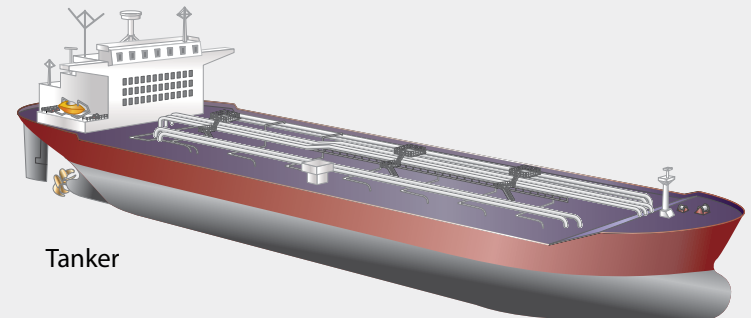
Container Ship with Cranes



Ro-Ro Vehicle Carrier



Small General Freight Carrier

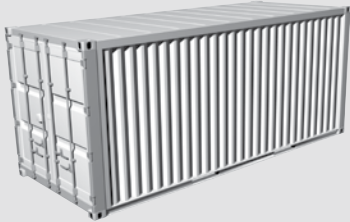


Tanker

Container Types

20' General Purpose

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.35m / 7ft 8½in	2.339m / 7ft 8in	30.48MT / 67,200lb	28.2MT / 62,240lb
H	2.39m / 7ft 10½in	2.162m / 7ft 5in	Tare Weight	Cubic Capacity
L	5.89m / 19ft 4½in	—	2.25MT / 4,960lb	33.2m³ / 1,172cu ft



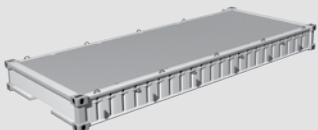
20' Bulk

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.35m / 7ft 8¾in	2.33m / 7ft 8in	24.0MT / 52,910lb	21.5MT / 47,510lb
H	2.34m / 7ft 8½in	2.29m / 7ft 6¼in	Tare Weight	Cubic Capacity
L	5.93m / 19ft 5½in	—	2.45MT / 5,400lb	32.9m³ / 1,162cu ft



20' Platform

	Dimensions	Door Opening	Maximum Gross	Payload
W	2.43m / 8ft	—	24.0MT / 52,910lb	21.2MT / 46,740lb
H	.335 / 1ft 1¼in	—	Tare Weight	Cubic Capacity
L	6.053m / 20ft	—	2.8MT / 6,170lb	—



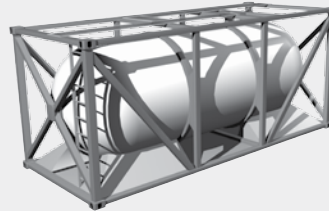
20' Refrigerated

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.2m / 7ft 2½in	2.2m / 7ft 2½in	24.0MT / 52,910lb	20.62MT / 45,460lb
H	2.254m / 7ft 4¾in	2.162m / 7ft 5in	Tare Weight	Cubic Capacity
L	5.34m / 17ft 6¼in	—	3.38MT / 7,450lb	33.3m³ / 1,172cu ft



20' Tank

	Outside Dimensions	Maximum Gross	Payload
W	2.5m / 8ft 6in	36.0MT / 79,366lb	32.15MT / 70,878lb
H	2.34m / 8ft	Tare Weight	Cubic Capacity
L	6.05m / 20ft	3.85MT / 8,488lb	21,001l / 5,548 USgal



20' Open Top

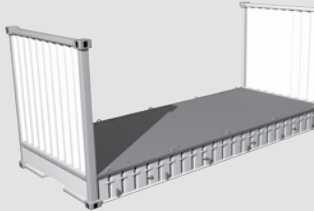
	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.35m / 7ft 8½in	2.33m / 7ft 8in	24.0MT / 52,910lb	21.9MT / 48,280lb
H	2.364m / 7ft 9in	2.29m / 7ft 6¼in	Tare Weight	Cubic Capacity
L	5.89m / 19ft 4in	—	2.1MT / 4,630lb	32.45m³ / 1,146cu ft



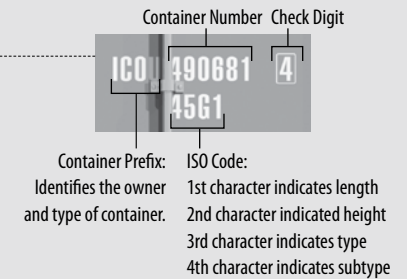
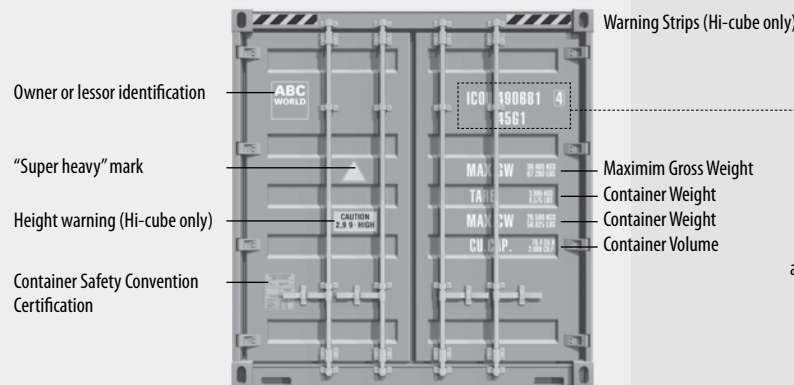
20' Flat

	Inside Maximum*	Inside Supports	Maximum Gross	Payload
W	2.39m / 7ft 10¾in	2.20m / 7ft 2⅞ in	24.0MT / 52,910lb	21.2MT / 46,740lb
H	2.17m / 7ft 1½in	—	Tare Weight	Cubic Capacity
L	5.91m / 19ft 5in	5.62m / 18ft 5¾in	2.8MT / 6,170lb	—

* Dimension edge to edge between supports and stanchions



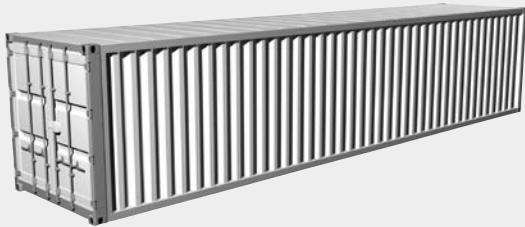
Container Markings



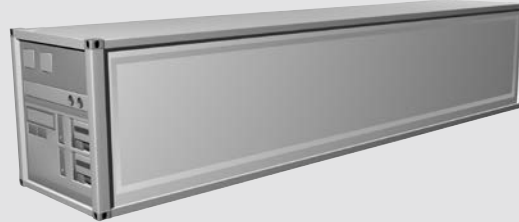
Check with your ocean carrier for exact container dimensions.

40' General Purpose

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.35m / 7ft 8½in	2.40m / 7ft 8½in	30.48MT / 67,200lb	2.67MT / 58,870lb
H	2.39m / 7ft 10¼in	2.92m / 7ft 6¼in	Tare Weight	Cubic Capacity
L	12.0m / 39ft 5½in	—	2.25MT / 4,960lb	67.7m³ / 2,390cu ft


40' Refrigerated

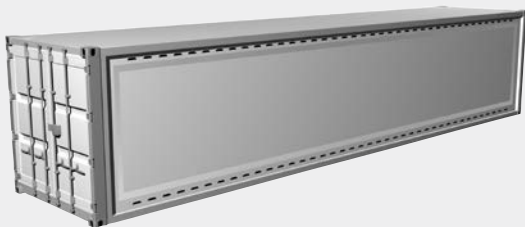
	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.19m / 7ft 2½in	2.19m / 7ft 2½in	30.48MT / 67,200lb	24.4MT / 53,950lb
H	2.2m / 7ft 3¼in	2.17m / 7ft 1½in	Tare Weight	Cubic Capacity
L	11.1m / 36ft 4¾in	—	6.01MT / 12,350lb	54.2m³ / 1,920cu ft


40' Open Top

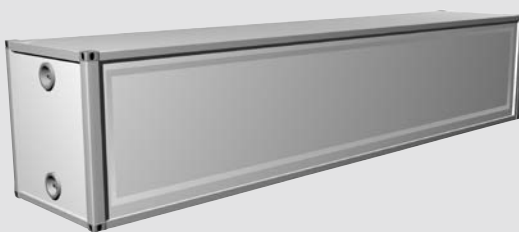
	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.33m / 7ft 8in	2.33m / 7ft 8in	30.48MT / 67,200lb	26.6MT / 58,820lb
H	2.31m / 7ft 6¼in	2.29m / 7ft 6¼in	Tare Weight	Cubic Capacity
L	12.0m / 39ft 5½in	—	3.8MT / 8,380lb	66.7m³ / 2354cu ft


40' Ventilated

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.35m / 7ft 8½in	2.33m / 7ft 8in	24.0MT / 52,910lb	21.6MT / 47,620lb
H	2.39m / 7ft 10¼in	2.92m / 7ft 6¼in	Tare Weight	Cubic Capacity
L	5.93m / 19ft 5½in	—	2.4MT / 5,290lb	33.7m³ / 1,190cu ft

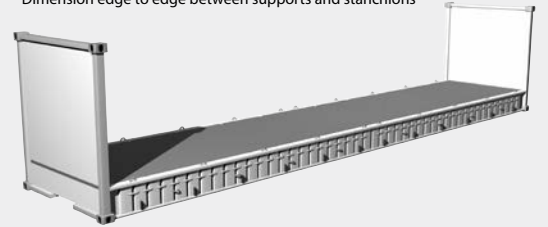

40' Insulated

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.25m / 7ft 4½in	2.25m / 7ft 4½in	30.48MT / 67,200lb	25.8MT / 56,950lb
H	2.08m / 6ft 9¾in	2.18m / 7ft 1¾in	Tare Weight	Cubic Capacity
L	11.75m / 38ft 6⅝in	—	4.65MT / 10,250lb	58.4m³ / 2,060cu ft

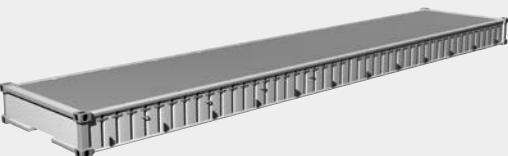

40' Flat

	Inside Maximum	Inside Supports	Maximum Gross	Payload
W	2.31m / 7ft 10¾in	2.23m / 7ft 3¾in	30.48MT / 67,200lb	25.7MT / 56,730lb
H	1.98m / 6ft 6in	—	Tare Weight	Cubic Capacity
L	12.0m / 39ft 4¾in	11.7m / 38ft 5½in	4.75MT / 10,470lb	—

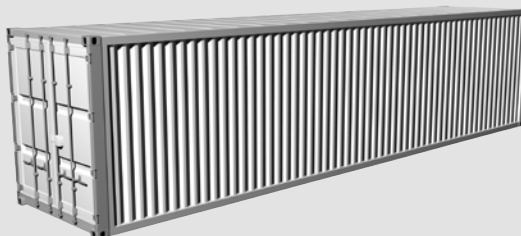
* Dimension edge to edge between supports and stanchions


40' Platform

	Dimensions	Door Opening	Maximum Gross	Payload
W	2.485m / 8ft	—	45.0MT / 99,210lb	40.8MT / 89,950lb
H	.61m / 2ft	—	Tare Weight	Cubic Capacity
L	12.1m / 40 ft	—	4,200MT / 9,260lb	—

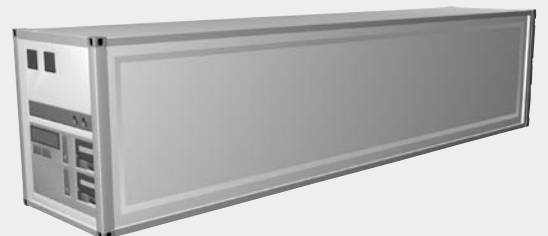

40' General Purpose High Cube

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.35m / 7ft 8½in	2.34m / 7ft 8½in	30.48MT / 67,200lb	26.4MT / 58,340lb
H	2.69m / 8ft 10¼in	2.59m / 8ft 6¼in	Tare Weight	Cubic Capacity
L	12.0m / 39ft 5½in	—	4.02MT / 8,860lb	76.3m³ / 2,694cu ft


40' Refrigerated High Cube

	Inside Dimensions	Door Opening	Maximum Gross	Payload
W	2.31m / 7ft 10¾in	2.22m / 7ft 6¼in	30.48MT / 67,200lb	26.3MT / 57,980lb
H	2.49m / 8ft 2¾in	2.51m / 8ft 3¼in	Tare Weight	Cubic Capacity
L	11.6m / 38ft 2in	—	4.18MT / 9,920lb	66.5m³ / 2,348cu ft

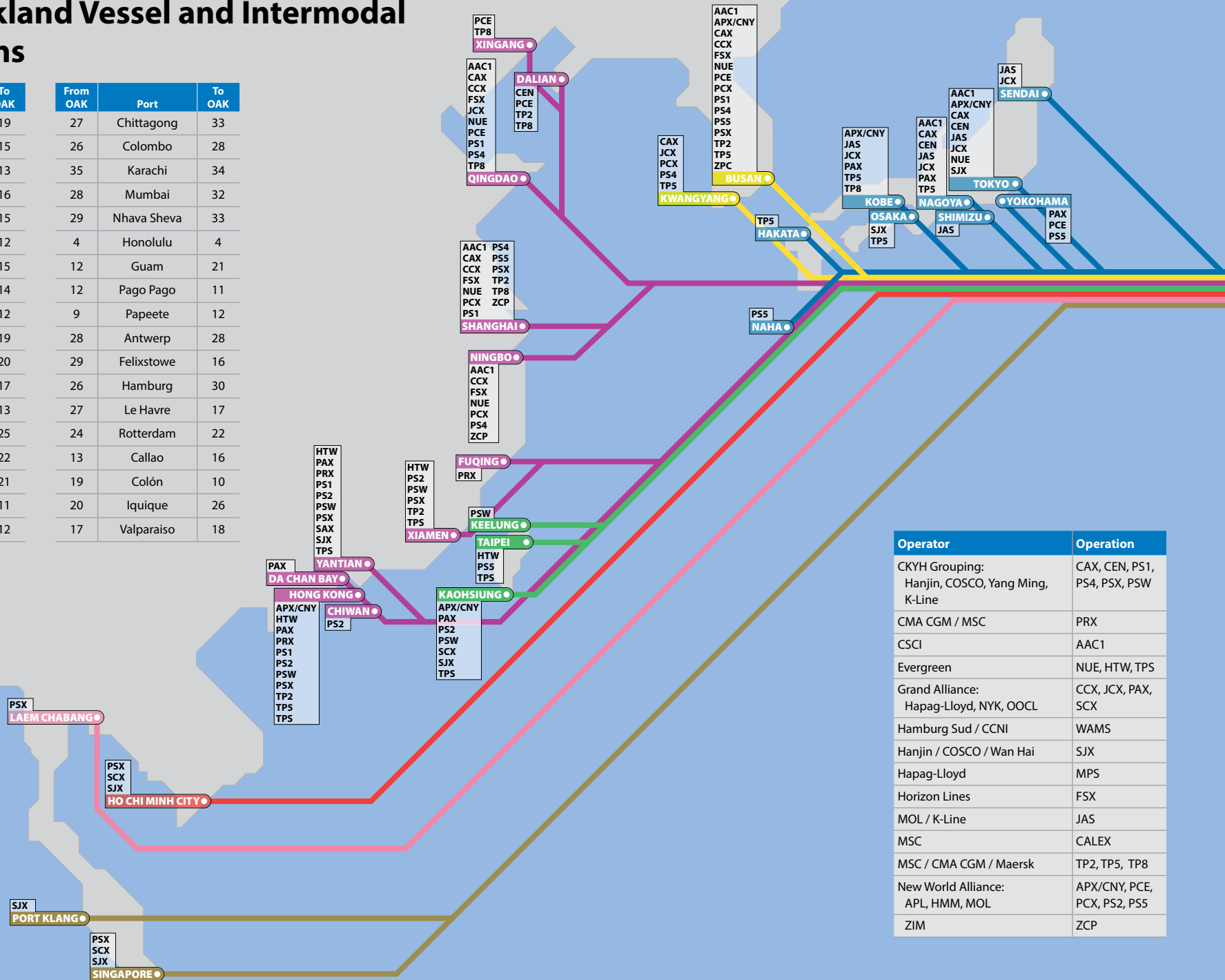
* Dimension edge to edge between supports and stanchions



Port of Oakland Vessel and Intermodal Connections

From OAK	Port	To OAK
16	Dalian	19
15	HKG/Shenzhen	15
14	Kaohsiung	13
17	Ningbo	16
12	Qingdao	15
15	Shanghai	12
15	Xiamen	15
16	Yantian	14
11	Busan	12
22	Ho Chi Minh	19
25	Jakarta	20
17	Manila	17
11	Osaka	13
22	Penang	25
18	Port Klang	22
20	Singapore	21
10	Tokyo	11
10	Yokohama	12

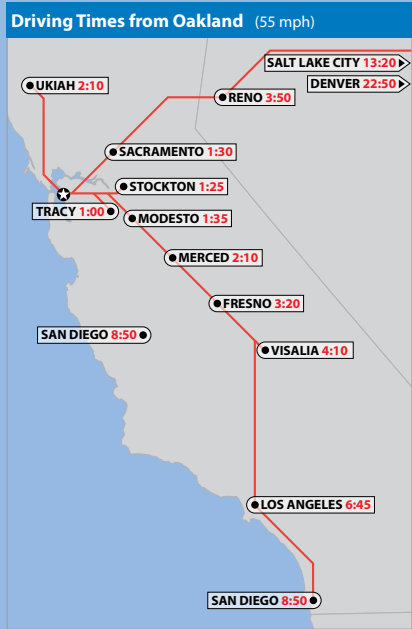
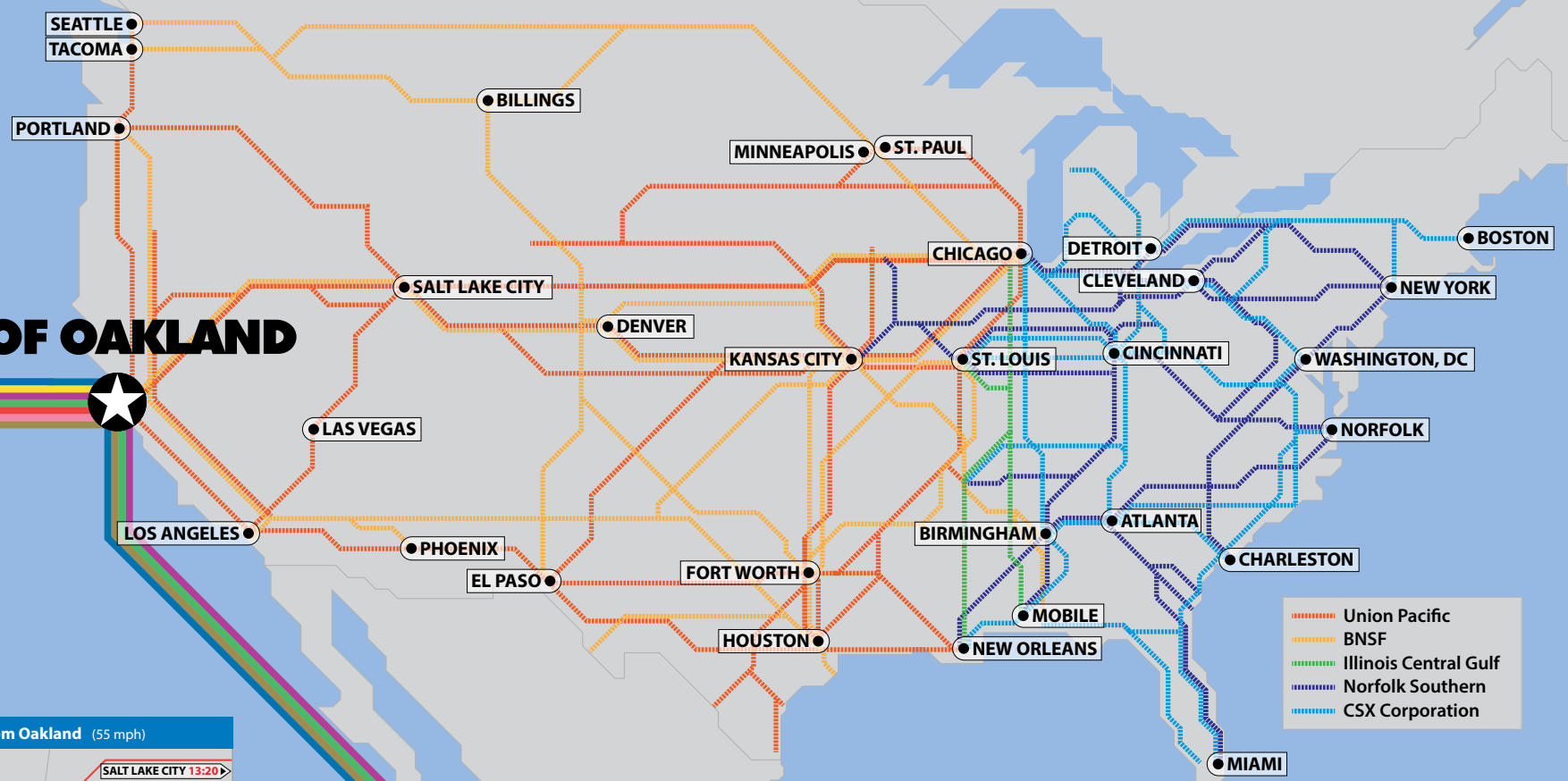
From OAK	Port	To OAK
27	Chittagong	33
26	Colombo	28
35	Karachi	34
28	Mumbai	32
29	Nhava Sheva	33
4	Honolulu	4
12	Guam	21
12	Pago Pago	11
9	Papeete	12
28	Antwerp	28
29	Felixstowe	16
26	Hamburg	30
27	Le Havre	17
24	Rotterdam	22
13	Callao	16
19	Colón	10
20	Iquique	26
17	Valparaiso	18



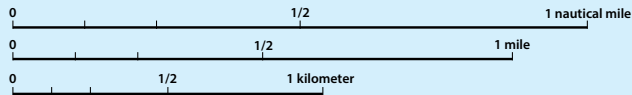
Operator	Operation
CKYH Grouping: Hanjin, COSCO, Yang Ming, K-Line	CAX, CEN, PS1, PS4, PSX, PSW
CMA CGM / MSC	PRX
CSCI	AAC1
Evergreen	NUE, HTW, TPS
Grand Alliance: Hapag-Lloyd, NYK, OOCL	CCX, JCX, PAX, SCX
Hamburg Sud / CCNI	WAMS
Hanjin / COSCO / Wan Hai	SJX
Hapag-Lloyd	MPS
Horizon Lines	FSX
MOL / K-Line	JAS
MSC	CALEX
MSC / CMA CGM / Maersk	TP2, TP5, TP8
New World Alliance: APL, HMM, MOL	APX/CNY, PCE, PCX, PS2, PS5
ZIM	ZCP



PORT OF OAKLAND



WEST COAST S.A.



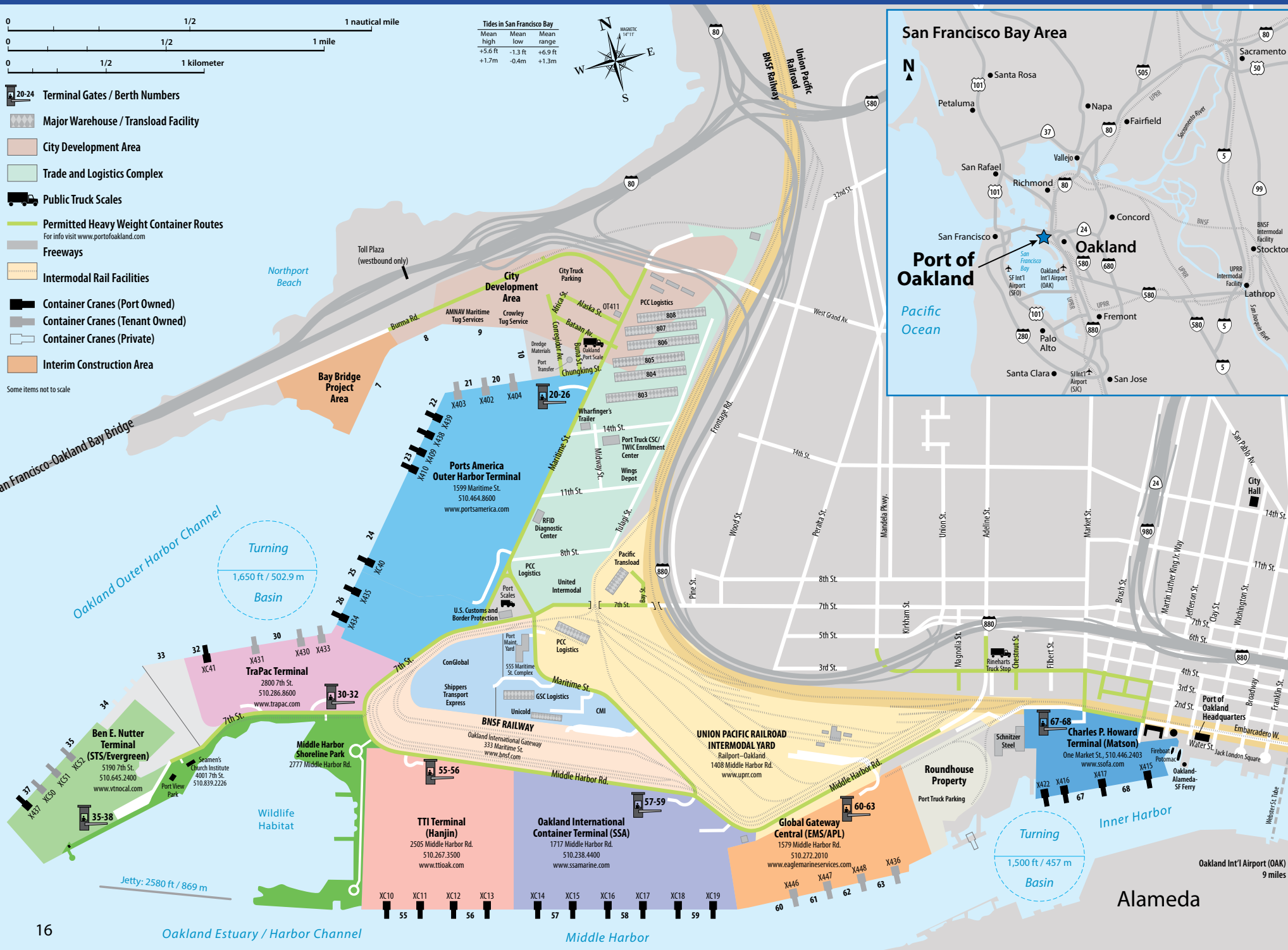
Tides in San Francisco Bay

Mean high	Mean low	Mean range
+5.6 ft	-1.3 ft	+6.9 ft
+1.7m	-0.4m	+1.3m



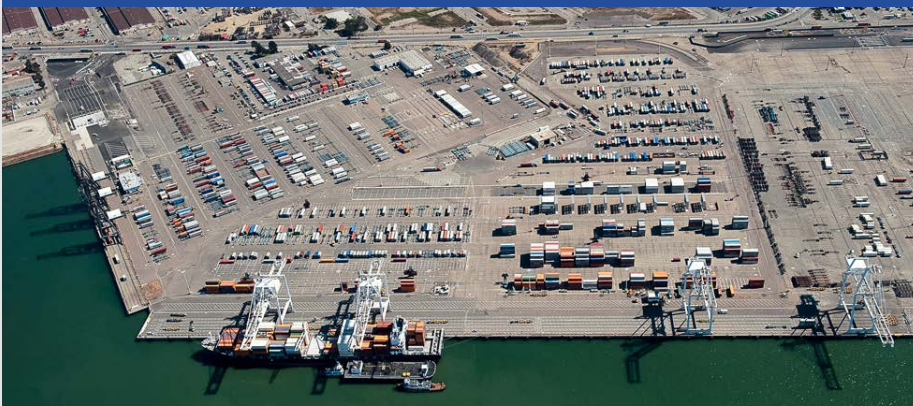
- 20-24 Terminal Gates / Berth Numbers
- Major Warehouse / Transload Facility
- City Development Area
- Trade and Logistics Complex
- Public Truck Scales
- Permitted Heavy Weight Container Routes
For info visit www.portofoakland.com
- Freeways
- Intermodal Rail Facilities
- Container Cranes (Port Owned)
- Container Cranes (Tenant Owned)
- Container Cranes (Private)
- Interim Construction Area

Some items not to scale



Terminal Information

Ports America Outer Harbor Terminal



Ports America, Inc.

1599 Maritime St.
Oakland, CA 94607
Phone: 510 464 8600
www.portsamerica.com
corporate@portsamerica.com

Ocean Carriers: CCNI, CSAV, Hamburg Süd, Hapag-Lloyd, Horizon, K-Line, Maersk, MSC, Polynesia, Yang Ming
FIRMS Code: W297
Terminal Gate Webcam: <http://paolivecam.portsamerica.com/>
Truck Appointment System: www.paoak.com

Terminal type	Container						
Berths	20–21 (in line)		22–24 (in line)		25–26 (in line)		
Length	1,335ft / 413m		3129ft / 954m		1,138ft / 347m		
Water depth	42ft / 12.8m		50ft / 15.2m		50ft / 15.2m		
Elevation of wharf deck above MLLW	14ft / 4.2m		14ft / 4.2m		14ft / 4.2m		
Cranes	Port ID#	X402, X404	X403	X438, X439	X409, X410	XC40	X434, X435
	Type	Panamax	Panamax	Post-Panamax	Post-Panamax	Super Post-Panamax	Post-Panamax
	Manufacturer	Paceco	Paceco	ZPMC	KSEC	ZPMC	ZPMC
	Capacity	30LT	30LT	50LT	50LT	65LT	55LT
	Net outreach from face of fender	105ft / 32.0m	103.5ft / 31.5m	154ft / 4.69m	137ft / 41.7m	186ft / 56.6m	161ft / 49m
Lifting height above dock	76ft / 23.1m		110ft / 33.5m	100ft / 30.4m	132ft / 40.2m	112ft / 34/1m	
Reefer capacity/type outlets	592 outlets / 480v				242 outlets / 480v		
Total terminal area	166.1 acres / 67.2 hectares				44.3 acres / 17.9 hectares		

TraPac Terminal

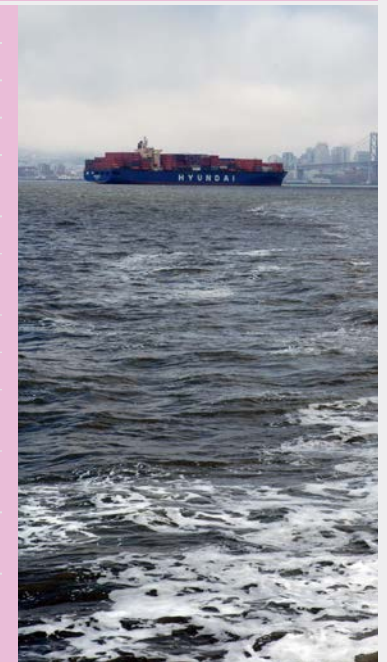


TraPac, Inc.

2800 7th St.
Oakland, CA 94607
Phone: 510 286 8600
Fax: 510 286 8601
www.trapac.com

Ocean Carriers: MOL, Hyundai, APL
FIRMS Code: Y549
Terminal Gate Webcam: <http://trapac.com/tracams.asp/?port=Oakland>
Truck Appointment System: <http://trapac.com/reservation/?port=Oakland>

Terminal type	Container			
Berths	30–32 (in line)			
Length	2,172ft / 662m			
Water depth	50ft / 15.2m			
Elevation of wharf deck above MLLW	14ft / 4.2m			
Cranes	Port ID#	X430, X431	X433	XC41
	Type	Post-Panamax	Post-Panamax	Super Post-Panamax
	Manufacturer	Mitsui-Paceco	Mitsui-Paceco	ZPMC
	Capacity	40LT	40LT	65LT
	Net outreach from face of fender	148.3ft / 45.1m	153/3ft / 46/7m	187ft / 56.9m
Lifting height above dock	124ft / 37.7m	124ft / 37.7m	132ft / 40.2m	
Reefer capacity/type outlets	388 outlets / 480v			
Total terminal area	65.7 acres / 26.6 hectares			



Ben E. Nutter Terminal (STS Evergreen)



Seaside Transportation Services

5190 7th St.
Oakland, CA 94607
510 645 2400
www.vtnocal.com

Ocean Carriers: Evergreen
FIRMS Code: Y738
Terminal Gate Webcam: <http://ttioaklivecam.voyagertrack.com/>
Truck Appointment System: <http://stoaklivecam.voyagertrack.com/>

Terminal type	Container	
Berths	35–37 (in line)	
Length	2,157ft / 657.4m + 100ft / 30.4m dolphin	
Water depth	50ft / 15.2m	
Elevation of wharf deck above MLLW	14ft / 4.2m	
Cranes	Port ID#	XC50, XC51, XC52 X437
	Type	Super Post-Panamax Post-Panamax
	Manufacturer	ZPMC ZPMC
	Capacity	50LT 50LT
	Net outreach from face of fender	199.6ft / 60.8m 156.7ft / 47.7m
	Lifting height above dock	131ft / 39.9m 110ft / 33.5m
Reefer capacity/type outlets	346 outlets / 480v	
Total terminal area	73.9 acres / 29.9 hectares	



TTI Terminal



Total Terminals International

2505 Middle Harbor Rd.
Oakland, CA 94607
510 267 3500
www.ttioak.com

Ocean Carriers: Hanjin, K-Line, Maersk, Wan Hai
FIRMS Code: Z855
Terminal Gate Webcam: <http://ttioaklivecam.voyagertrack.com/>
Truck Appointment System: www.ttioak.com

Terminal type	Container	
Berths	55–56 (in line)	
Length	2,400ft / 731.5m	
Water depth (MLLW)	50ft / 15.2m	
Elevation of wharf deck above MLLW	14.5ft / 4.4m	
Cranes	Port ID#	XC10, XC11, XC12, XC13
	Type	Super Post-Panamax
	Manufacturer	ZPMC
	Capacity	65LT
	Net outreach from face of fender	188ft / 57.3m
	Lifting height above dock	115ft / 35.0m
Reefer capacity/type outlets	605 outlets / 480v	
Total terminal area	120 acres / 48.6 hectares	



Terminal Information

Oakland International Container Terminal



Stevedoring Services of America Terminals, Inc.

1717 Middle Harbor Rd.
Phone: 510 238 4400
www.ssamarine.com

Ocean Carriers: China Shipping, CMA CGM, COSCO, Hapag-Lloyd, Maersk, MSC, NYK, P O Shipping, OOCL, ZIM

FIRMS Code: Z985

Truck Appointment System: www.emodal.com

Terminal type	Container
Berths	57–59 (in line)
Length	3,600ft / 1,091m /
Water depth	50ft / 15.2m
Elevation of wharf deck above MLLW	14.5ft / 4.4m
<i>Port ID#</i>	XC14, XC15, XC16, XC17, XC18, XC19
<i>Type</i>	Super Post-Panamax
<i>Manufacturer</i>	ZPMC
<i>Capacity</i>	65LT
<i>Net outreach from face of fender</i>	188ft / 57.3m
<i>Lifting height above dock</i>	115ft / 35.0m
Reefer capacity/type outlets	898 outlets / 480v
Total terminal area	150 acres / 60.6 hectares



Global Gateway Central (APL)



Eagle Marine Services

2800 7th St.
1579 Middle Harbor Rd.
Oakland, CA 94607
510 272 2010
www.eaglemarineservices.com

Ocean Carriers: APL, Hyundai, MOL

FIRMS Code: W578

Terminal Gate Webcam: www.eaglemarineservices.com/wps/portal/ems/terminals/oak

Truck Appointment System: www.eaglemarineservices.com

Terminal type	Container	
Berths	60–63 (in line)	
Length	2,743ft / 836m	
Water depth	42ft / 12.8m	
Elevation of wharf deck above MLLW	13.7ft / 4.1m	
<i>Port ID#</i>	X436	X446, X447, X448
<i>Type</i>	Post-Panamax	Post-Panamax
<i>Manufacturer</i>	Noell	Mitsubishi
<i>Capacity</i>	50LT	40LT
<i>Net outreach from face of fender</i>	327ft / 99.7m	189.5ft / 57.7m
<i>Lifting height above dock</i>	110ft / 33.5m	105ft / 32.0m
Reefer capacity/type outlets	257 outlets / 480v	
Total terminal area	80 acres / 32.1 hectares	



Charles P. Howard Terminal (Matson)



Stevedoring Services of America Terminals, Inc.

One Market St.
Oakland, CA 94607
510 446 2403
www.ssofa.com

Ocean Carrier: Matson
FIRMS Code: W614

Terminal type	Container / Autos			
Berths	67–68 (in line)			
Length	1,946ft / 593.1m + 70ft / 21.3m dolphin			
Water depth	42ft / 12.8m			
Elevation of wharf deck above MLLW	13ft / 3.9m			
Cranes	Port ID#	X415, X416	X417	X422
	Type	Panamax	Post-Panamax	Panamax
	Manufacturer	Hitachi	KSEC	Paceco
	Capacity	40LT	50LT	40LT
	Net outreach from face of fender	108ft / 32.9m	115.5ft / 35.2m	105.5ft / 32.1m
	Lifting height above dock	102.5ft / 31.2m	90ft / 27.4m	156ft / 47.2m
Reefer capacity/type outlets	204 outlets / 480v			
Total terminal area	50.3 acres / 20.4 hectares			



Oakland International Gateway

BNSF Railway

333 Maritime St.
Oakland, CA 94607
510 268 3543
www.bnsf.com

Hours of Operation	0700–1700 Mon–Fri
Total Area	35.3 hectares / 85 acres
Parking Slots	1,245
Doublestack Car Spots	41
Truck Gates	8
Annual Lift Capacity	300,000

Railport–Oakland

Union Pacific Railroad

1408 Middle Harbor Rd.
Oakland, CA 94607
510 891 7669
www.uprr.com

Hours of Operation	0100–2400 Mon–Sun
Total Area	44.5 hectares / 110 acres
Parking Slots	2,800
Doublestack Car Spots	70
Truck Gates	12
Annual Lift Capacity	450,000





PORT OF OAKLAND

Port of Oakland • Maritime Division • 530 Water Street • Oakland, CA 94607 USA • 510 627 1100 • maritime@portoakland.com • www.portofoakland.com