



U.S. Department of Transportation  
Maritime Administration

# Vessel Calls at U.S. Ports 2002

March 2004



**Vessel Calls at U.S. Ports  
2002**

**March 2004**

Office of Statistical and Economic Analysis  
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## Preface

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The following report contains data on calls by oceangoing vessels of 10,000 DWT or greater at U.S. ports. The calls are presented in terms of vessels and vessel capacity (calls weighted by vessel deadweights (DWT)). For containerships, capacity is also expressed in terms of twenty-foot equivalent units (TEU).

After the Highlights section, there are seven summary tables. The first three summary tables contain time series (1998-2002) for calls and capacity by vessel type and flag (U.S. and Foreign). The next two summary tables contain time series for calls and capacity by vessel type and coastal regions. A list of U.S. ports and their associated coastal regions are shown on pages ix and x. The last two summary tables contain 2002 calls and capacity for the top 20 ports by vessel type. This report and data on calls and capacity for all U.S. ports are available at [www.marad.dot.gov/marad\\_statistics](http://www.marad.dot.gov/marad_statistics).

Comments and recommendations as to the content and format of the report can be made at [www.data.marad@marad.dot.gov](mailto:www.data.marad@marad.dot.gov). In addition, to learn more about the Maritime Administration or the Maritime industry, visit the agency's website at [www.marad.dot.gov](http://www.marad.dot.gov).



## Notes and Sources

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### Vessel Types

The vessel categories included in this report are:

**Tanker:** Petroleum Tankers, Chemical Tankers.

Product: 10,000 - 69,999 DWT.  
Crude: >=70,000 DWT.

**Container:** Container Carriers, Refrigerated Container Carriers.

**Dry Bulk:** Bulk Vessels, Bulk Containerships, Cement Carriers, Ore Carriers, Wood-Chip Carriers.

**Ro-Ro:** Ro-Ro Vessels, Ro-Ro Containerships, Vehicle Carriers.

**Gas Carrier:** LNG Carriers, LNG/LPG Carriers, LPG Carriers.

**Combination:** Ore/Bulk/Oil Carriers, Bulk/Oil Carriers.

**General Cargo:** General Cargo Carriers, Partial Containerships, Refrigerated Ships, Barge Carriers, Livestock Carriers.

### Capacity

Throughout the report, capacity is the sum of vessel calls weighted by vessel DWT. For example, if three vessels called at port X in 2002, the capacity calling at that port would be:

	Calls	DWT	Calls x DWT
Vessel A	10	25,000	250,000
Vessel B	15	30,000	450,000
Vessel C	12	15,000	180,000
Total	37		880,000

or 880,000 DWT, and similarly for containership TEU capacities. A TEU is a nominal unit of measure equivalent to a 20' x 8' x 8' shipping container. TEU figures are shown in red italics throughout the report.

### Growth Rates/Percents

Throughout the report, textual references to percents and growth rates are rounded to whole numbers, e.g, 31 percent instead of 30.6 percent. Growth

rates are calculated as  $(\text{calls}_{2002} - \text{calls}_{1998}) \times 100 / \text{calls}_{1998}$ , and similarly for capacity and vessel size. For capacity, growth rates are calculated on unrounded numbers.

### Size Threshold

The report includes only oceangoing self-propelled vessels of 10,000 DWT or greater. In 2002, these vessels accounted for about 98 percent of the vessel capacity calling at U.S. ports.

### Port Groupings

Starting with year 2000 source data, Columbia River ports, L.A./Long Beach, Philadelphia/Delaware River ports, San Francisco Bay ports, Virginia ports, and were reported on an individual basis. However, for historical consistency, year 2000-2002 calls at these ports are presented as totals for the respective groups. The following are the groupings.

**Columbia River Ports:** Astoria, Kalama, Longview, Portland, Rainier, Vancouver, Willbridge.

**L.A./Long Beach:** Los Angeles, Long Beach.

**Philadelphia/Delaware River Ports:** Burlington, NJ; Camden, NJ; Claymont, DE; Chester, PA; Delair, NJ; Delaware City, DE; Eddystone, PA; Fairless Hills, PA; Gloucester, NJ; Marcus Hook, PA; Paulsboro, NJ; Philadelphia, PA; Reedy Point, DE; Salem, NJ; Tullytown, PA; Westville, NJ; Wilmington, DE.

**San Francisco Bay:** Alameda, Antioch, Benicia, Concord, Crockett, Martinez, Oakland, Pittsburg, Redwood City, Richmond, Rodeo, Sacramento, San Francisco, Selby, Stockton.

**Virginia Ports:** Chesapeake, Hampton Roads, Hopewell, Lynnhaven Roads, Newport News, Norfolk, Portsmouth, Richmond, Yorktown.

### Coastal Regions

**North Atlantic:** All ports from Eastport, ME to Baltimore MD.

**South Atlantic:** All ports from Alexandria, VA to Miami, FL.



## Notes and Sources

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### Coastal Regions - Cont.

#### **Puerto Rico**

**U.S. Gulf:** All ports from Key West, FL to Brownsville, TX.

**Pacific Northwest:** All U.S. ports from Barrow, AK to Coos Bay, OR.

**Pacific Southwest:** All ports from Crockett, CA to San Diego, and all Hawaiian ports.

### Sources

Clarkson Research Studies, Shipping Review & Outlook, Spring 2003, London: Clarkson Research Studies, Spring 2003. This source contains data for world seaborne trade.

Lloyd's Maritime Intelligence Unit, Vessel Movements Data Files, 1998 - 2002, London: Lloyd's Maritime Intelligence Unit, 1998-2002. This source contains data for vessel port calls, ports and active fleets.

MDS Transmodal, Containership Databank on Disk, Chester, England: MDS Transmodal, February 2003. This source contains data on the global containership fleet, deployments, itineraries and joint services.

U.S. Maritime Administration, U.S. Foreign Waterborne Trade Data Banks, 1998-2002, Wash., DC: U.S. Maritime Administration, 1998-2002. This source contains detailed data for U.S. foreign waterborne trade.

U.S. Army Corps, Waterborne Commerce of the United States, detail files, 1998 - 2002, New Orleans: Waterborne Commerce Statistics Center, 1998-2002. This source contains detailed data for U.S. domestic waterborne trade.

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## Ports And Coastal Regions

Port	Coastal Region	Port	Coastal Region
Albany, NY	North Atlantic	LOOP Terminal, LA	U.S. Gulf
Anacortes, WA	Pacific Northwest	Manchester, WA	Pacific Northwest
Anchorage, AK	Pacific Northwest	March Point, WA	Pacific Northwest
Annapolis Anch., MD	North Atlantic	Mayaguez, PR	Puerto Rico
Baltimore, MD	North Atlantic	Miami, FL	South Atlantic
Barbers Point, HI	Pacific Southwest	Mobile, AL	U.S. Gulf
Bath, ME	North Atlantic	Montauk Lighting Area, NY	North Atlantic
Baton Rouge, LA	U.S. Gulf	Morehead City, NC	South Atlantic
Bayport, TX	U.S. Gulf	New Haven, CT	North Atlantic
Beaumont, TX	U.S. Gulf	New London, CT	North Atlantic
Bellingham, WA	Pacific Northwest	New Orleans, LA	U.S. Gulf
Boston, MA	North Atlantic	New York, NY	North Atlantic
Brayton Point, RI	North Atlantic	Newport, OR	Pacific Northwest
Bridgeport, CT	North Atlantic	Newport, RI	North Atlantic
Brownsville, TX	U.S. Gulf	Nikiski, AK	Pacific Northwest
Brunswick, GA	South Atlantic	Norco, LA	U.S. Gulf
Bucksport, ME	North Atlantic	Northport, NY	North Atlantic
Charleston, SC	South Atlantic	Northville, NY	North Atlantic
Cherry Point, WA	Pacific Northwest	Olympia, WA	Pacific Northwest
Claymont, DE	North Atlantic	Palm Beach, FL	South Atlantic
Columbia River Ports, OR	Pacific Northwest	Panama City, FL	U.S. Gulf
Convent, LA	U.S. Gulf	Pascagoula, MS	U.S. Gulf
Coos Bay, OR	Pacific Northwest	Lightering Area, MS	U.S. Gulf
Corpus Christi, TX	U.S. Gulf	Pensacola, FL	U.S. Gulf
Lightering Area, TX	U.S. Gulf	Philadelphia, PA	North Atlantic
Davisville, RI	North Atlantic	Piney Point, MD	North Atlantic
Destrehan, LA	U.S. Gulf	Point Comfort, TX	U.S. Gulf
Donaldsonville, LA	U.S. Gulf	Point Wells, WA	Pacific Northwest
Drift River Terminal, AK	Pacific Northwest	Ponce, PR	Puerto Rico
Dutch Harbor, AK	Pacific Northwest	Port Allen, LA	U.S. Gulf
Eastport, ME	North Atlantic	Port Angeles, WA	Pacific Northwest
El Segundo, CA	Pacific Southwest	Port Arthur, TX	U.S. Gulf
Everett, WA	Pacific Northwest	Port Canaveral, FL	South Atlantic
Fall River, MA	North Atlantic	Port Everglades, FL	South Atlantic
Fernandina, FL	South Atlantic	Port Hueneme, CA	Pacific Southwest
Ferndale, WA	Pacific Northwest	Port Jefferson, NY	North Atlantic
Fort Pierce, FL	South Atlantic	Port Manatee, FL	U.S. Gulf
Freeport, TX	U.S. Gulf	Port Townsend, WA	Pacific Northwest
Lightering Area, TX	U.S. Gulf	Portland, ME	North Atlantic
Galveston, TX	U.S. Gulf	Portsmouth, NH	North Atlantic
Lightering Area, TX	U.S. Gulf	Providence, RI	North Atlantic
Geismar, LA	U.S. Gulf	Ravena, NY	North Atlantic
Georgetown, SC	South Atlantic	Red Dog, AK	Pacific Northwest
Gloucester, MA	North Atlantic	Rockland, ME	North Atlantic
Gramercy, LA	U.S. Gulf	S. Sabine Light. Area, TX	U.S. Gulf
Guanica, PR	Puerto Rico	S. Calif. Light. Area, CA	Pacific Southwest
Guayama, PR	Puerto Rico	Sabine, TX	U.S. Gulf
Guayanilla, PR	Puerto Rico	Salem, MA	North Atlantic
Gulfport, MS	U.S. Gulf	San Diego, CA	Pacific Southwest
Hawk Inlet, AK	Pacific Northwest	San Francisco, CA	Pacific Southwest
Hilo, HI	Pacific Southwest	San Juan, PR	Puerto Rico
Homer, AK	Pacific Northwest	Sandwich, MA	North Atlantic
Honolulu, HI	Pacific Southwest	Sandy Point, ME	North Atlantic
Hoonah, AK	Pacific Northwest	Savannah, GA	South Atlantic
Houston, TX	U.S. Gulf	Searsport, ME	North Atlantic
Hydaburg, AK	Pacific Northwest	Seattle, WA	Pacific Northwest
Ingleside, TX	U.S. Gulf	Somerset, MA	North Atlantic
Jacksonville, FL	South Atlantic	S.W. Pass Light. Area, LA	U.S. Gulf
Kahului, HI	Pacific Southwest	St. Rose, LA	U.S. Gulf
Kawaihae, HI	Pacific Southwest	Stony Point, NY	North Atlantic
Kenai, AK	Pacific Northwest	Tacoma, WA	Pacific Northwest
Ketchikan, AK	Pacific Northwest	Taft, LA	U.S. Gulf
Key West, FL	U.S. Gulf	Tampa, FL	U.S. Gulf
Kivalina, AK	Pacific Northwest	Texas City, TX	U.S. Gulf
Kodiak, AK	Pacific Northwest	Valdez, AK	Pacific Northwest
L.A./Long Beach, CA	Pacific Southwest	Virginia Ports, VA	South Atlantic
Lake Charles, LA	U.S. Gulf	Westport, WA	Pacific Northwest
Las Mareas, PR	Puerto Rico	Westwego, LA	U.S. Gulf

## Ports And Coastal Regions

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Port	Coastal Region
Wilmington, NC	South Atlantic
Yabucoa, PR	Puerto Rico
Yarmouth, ME	North Atlantic

## Highlights

### Calls

In 2002, vessel calls at U.S. ports accounted for about 10 percent of vessel calls at world ports (Table H-1). The U.S. calls were made by 6,114 vessels, or forty-four percent of the active world fleet (Table H-2). Of the 56,596 U.S. calls, 31 percent were by tankers, 30 percent were by containerships, 20 percent were by dry bulk carriers and 10 percent were by ro-ro vessels.

**Tanker.** From 1998 to 2002, tanker calls at U.S. ports increased by 3 percent. Over the same period foreign-flag tanker calls, which are in U.S. import trades, increased by 10 percent reflecting the substitution of imports for domestic shipments (Tables S-1 - S-3). In 2002, foreign-flag vessels accounted for 80 percent of tanker calls at U.S. ports, up from 74 percent four years earlier. Over this period, petroleum imports increased by 10 percent (52 million metric tons) while domestic ocean shipments, which are reserved for U.S.-flag vessels, fell by 13 percent (21 million metric tons).

In 2002, 58 percent (10,045) of the tanker calls at U.S. ports were by double hull tankers, up from 37 percent (6,255) 4 years earlier (Table H-3). Of these, 5,770 were by tankers smaller than 70,000 DWT, which carry primarily petroleum products, and 4,275 were by tankers 70,000 or greater. For the period 1998 to 2002, double-hull tanker calls increased by 61 percent while single-hull tanker calls declined by 31 percent (See Tables S-1 - S-3 for double-hull calls by flag).

**Container.** Over the last four years, containership calls at U.S. ports increased by 8 percent. Over the same period, the number of containerships calling at U.S. ports increased by 28 percent to 1,026, but, as larger containerships entered U.S. trades, average calls per containership fell (See Table S-1 for changes in vessel size).

**Dry Bulk.** A 42 percent decline in U.S. coal exports contributed to the 12 per-cent decline in dry bulk vessel calls at U.S. ports since 1998. The primary impact was on South Atlantic ports which had a 34 percent decline in dry bulk calls (Table S-4).

**Ro-Ro/Vehicle.** From 1998 to 2002, ro-ro calls at U.S. ports increased by 33 percent.

Vehicle carriers accounted for about 85 percent of the increase, reflecting a 52 percent increase in U.S. vehicle imports, and a movement to just-in-time delivery schedules which require higher call frequencies.

Vessel Type	U.S. Ports		World Ports	
	Calls	%	Calls	%
Tanker	17,320	30.6	117,237	21.1
Double-Hull	10,045	17.8	59,621	10.7
Container	17,138	30.3	198,783	35.8
Dry Bulk	11,112	19.6	122,774	22.1
Ro-Ro	5,632	10.0	47,510	8.6
Vehicle	3,605	6.4	23,232	4.2
Gas Carrier	739	1.3	11,641	2.1
Combination	761	1.3	3,429	0.6
General Cargo	3,894	6.9	53,436	9.6
All Types	56,596	100.0	554,810	100.0

Table H-1

Vessel Type	U.S. Call	World Call	% U.S. Call
Tanker	1,456	3,384	43.0
Double-Hull	840	1,583	53.1
Container	1,026	2,368	43.3
Dry Bulk	2,488	5,237	47.5
Ro-Ro	425	671	63.3
Vehicle	307	369	83.1
Gas Carrier	120	386	31.1
Combination	92	136	67.6
General Cargo	507	1,607	31.5
All Types	6,114	13,789	44.3

Table H-2

Vessel Type	1998	2002	% Ch. 98-02
Tanker	16,841	17,320	2.8
Double-Hull	6,255	10,045	60.6
Product	10,208	10,949	7.3
Double-Hull	3,612	5,770	59.7
Crude	6,633	6,371	-3.9
Double-Hull	2,643	4,275	61.7
Container	15,846	17,138	8.2
Dry Bulk	12,674	11,112	-12.3
Ro-Ro	4,251	5,632	32.5
Vehicle	2,431	3,605	48.3
Gas Carrier	685	739	7.9
Combination	846	761	-10.0
General Cargo	4,978	3,894	-21.8
All Types	56,121	56,596	0.8

Table H-3

## Highlights

### Capacity

Vessel capacity calling at U.S. ports (calls x vessel DWT) increased by 6 percent from 1998 to 2002 (Table H-4). Over this period the number of calls increased by only 1 percent, but average vessel size (per call) increased by 5 percent (Table S-1). Average vessel size increased for all vessel types with the largest increases in containerhips (16 percent) and double-hull tankers (10 percent).

In terms of TEU's, the average size of containerhips (per call) increased by 21 percent, and containerhip capacity calling at U.S. ports increased by 31 percent (Table S-1). The corresponding DWT figures were 16 percent and 26 percent. The TEU/DWT ratio tends to be larger for newer containerhips in U.S. trades.

### Call Frequency

Seventy-one percent of the vessels that called in U.S. ports made fewer than 10 U.S. calls (Table H-5). On a per vessel basis, containerhips made the most calls at 16.7, followed by ro-ro's at 13.3, and tankers at 11.9 calls. Containerhips and ro-ro vessels are generally in scheduled service which tends to increase calls per vessel. The high calls per vessel for the tankers can be attributed to their deployment in domestic trades which involve U.S. calls at both load and discharge ports.

### U.S. Flag Calls

U.S.-flag vessel calls are largely in U.S. domestic trades. In 2002, 221 U.S.-flag vessels were active in U.S. oceanborne trades, down from 256 vessels in 1998. The U.S.-flag fleet accounted for 13 percent of U.S. port calls in 2002, down from 15 percent four years earlier. U.S.-flag vessels accounted for 14 percent of capacity calling at U.S. ports in 2002, down from 17 percent in 1998 (Tables S-1 and S-3). The declines were primarily in the tanker and container segments as 25+ year old vessels were removed from domestic service (Table H-6).

### Vessel Size

The average size (per call) of commercial vessels calling at U.S. ports was 47,625 DWT or 17 percent larger than vessels calling at world ports (Table H-7). The difference was due largely to a scarcity of U.S. feeder and short-sea container services. These services, which use smaller vessels than linehaul services, are common in intra-

Vessel Capacity Calling at U.S. Ports by Vessel Type, 1998 and 2002

Vessel Type	(Million DWT (TEU))		%Ch. 98-02
	1998	2002	
Tanker	1,156	1,202	4.0
Double-Hull	425	752	77.1
Product	376	406	7.8
Double-Hull	126	208	66.0
Crude	780	797	2.1
Double-Hull	299	544	81.8
Container	574	722	25.8
Container (TEU)	40	52	30.5
Dry Bulk	529	476	-9.9
Ro-Ro	85	115	35.7
Vehicle	42	63	50.5
Gas Carrier	21	24	15.6
Combination	70	64	-8.4
General Cargo	107	91	-14.2
All Types	2,542	2,695	6.0

Table H-4

Active Fleets (Vessels), Distribution by Number of Calls at U.S. Ports, 2002

Vessel Type	Calls			Active Vessels
	< 10	10-19	>19	
Tanker	905	290	261	1,456
Double-Hull	513	161	166	840
Container	413	287	326	1,026
Dry Bulk	2,277	166	45	2,488
Ro-Ro	211	118	96	425
Vehicle	147	99	61	307
Gas Carrier	96	17	7	120
Combination	59	27	6	92
General Cargo	372	86	49	507
All Types	4,333	991	790	6,114

Table H-5

U.S.-Flag Vessel Calls at U.S. Ports by Vessel Type, 1998 and 2002

Vessel Type			% Ch. 98-02
	1998	2002	
Tanker	4,345	3,549	-18.3
Double-Hull	984	1,448	47.2
Container	3,297	2,824	-14.3
Dry Bulk	107	156	45.8
Ro-Ro	725	894	23.3
Vehicle	160	228	42.5
Gas Carrier	20	0	-100.0
Combination	0	0	0.0
General Cargo	156	90	-42.3
All Types	8,650	7,513	-13.1

Table H-6

## Highlights

European and intra-Asia trades (As of year-end 2002, there were 432 10,000+ DWT containerships operating in intra-European and intra-Asia trades. Seventy percent of these were less than 20,000 DWT/1,250 TEU's).

Dry bulk carriers calling at U.S. ports were 12 percent smaller than those calling at world ports. Grains, which are generally shipped on smaller vessels than other major bulk cargoes (coal and iron ores) accounted for 51 per-cent of U.S. major bulk trades, compared to only 20 percent of worldwide major bulk trades.

### Fleet Age

In 2002, 47 percent of the calls at U.S. ports were by vessels 10 years old or less. The youngest segment was containerships with 57 percent of the calls by vessels 10 years old or less followed by dry bulk and tankers at 47 percent (Table H-8). Eighty percent of the double-hull tanker calls were by vessels less than 10 years old.

### Regional Calls

In 2002, Atlantic and Pacific ports accounted for 89 percent of containership calls and 92 percent of vehicle carrier calls, Gulf and Pacific ports accounted for 76 percent of dry bulk calls, and Gulf ports alone accounted for 70 percent of gas carrier calls (Table H-9). For tankers, Gulf ports accounted for 51 percent of the calls, followed by Atlantic ports at 26 percent and Pacific ports at 22 percent. Product tankers accounted for 63 percent of overall tanker calls, but 79 percent of calls at Atlantic ports.

Vessel Type	U.S. Ports	World Ports	% Diff.
Tanker	69,412	65,632	5.8
Double-Hull	74,887	71,155	5.3
Container	42,158	31,656	33.2
Container (TEU)	3,020	2,220	36.0
Dry Bulk	42,876	48,878	-12.2
Ro-Ro	20,376	17,439	16.8
Vehicle	17,528	17,038	2.9
Gas Carrier	32,099	40,287	-20.3
Combination	84,459	90,006	-6.2
General Cargo	23,496	29,123	-19.3
All Types	47,625	40,789	16.8

Table H-7

Vessel Type	Less Than 10 Years	10-20 Years	More Than 20 Years
Tanker	8,107	5,309	3,904
Double-Hull	8,015	1,297	733
Container	9,687	5,281	2,170
Dry Bulk	5,263	3,965	1,884
Ro-Ro	1,351	2,525	1,756
Vehicle	1,078	1,747	780
Gas Carrier	275	172	292
Combination	222	434	105
General Cargo	1,584	1,276	1,034
All Types	26,489	18,962	11,145

Table H-8

Vessel Type	North Atlantic	South Atlantic	Puerto Rico	Pacific Northwest	Pacific Southwest	U.S. Gulf	Total
Tanker	3,122	1,297	241	1,793	2,069	8,798	17,320
Product	2,231	1,263	219	824	1,303	5,100	10,940
Crude	891	34	13	969	766	3,698	6,371
Container	3,043	5,444	568	1,787	5,034	1,262	17,138
Bulk	1,388	1,156	85	2,111	1,389	4,983	11,112
Ro-Ro	1,804	1,555	167	792	883	431	5,632
Vehicle	1,362	815	99	450	688	191	3,605
Gas Carrier	73	26	33	43	50	514	739
Combination	234	69	14	0	26	418	761
General Cargo	789	828	269	171	570	1,267	3,894
All Types	10,453	10,375	1,377	6,697	10,021	17,673	56,596

Table H-9

## Highlights

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### Port Call Concentration

The top 20 ports accounted for 80 percent of the calls at U.S. ports in 2002 (Tables H-10, S-6 and S-7). The largest concentrations of calls were for containerships, ro-ro's, gas carriers and combination carriers with the top 20 ports accounting for at least 90 percent of the calls.

Except for containerships, the concentration of capacity calling at U.S. ports was similar to that for calls. For containerships, the top 10 ports accounted for 80 percent of the calls, but 86 percent of the capacity; that is, large containerships tend to call at large container ports.

Port Call Concentration at U.S. Ports, 2002 by Vessel Type						
(Percent of Calls/Capacity)						
Vessel Type	Top 10 Ports		Top 20 Ports		Top 30 Ports	
	Calls	Cap.	Calls	Cap.	Calls	Cap.
Tanker	62	62	80	83	90	91
Product	61	61	81	81	92	92
Crude	67	66	92	90	98	98
Container	80	86	96	98	100	100
Dry Bulk	71	72	87	88	94	94
Ro-Ro	70	70	94	93	99	99
Vehicle	81	81	98	98	100	100
Gas Carrier	82	84	94	95	99	99
Combination	80	83	93	94	98	98
General Cargo	61	61	85	86	94	94
All Types	59	57	80	78	90	89

Table H-10

## Summary Tables

Vessel Calls at U.S. Ports, Calls, Capacity and Average DWT/TEU Per Call, 1998-2002						
Vessel Type	1998	1999	2000	2001	2002	% Ch. 98-02
<b>Calls</b>						
Tanker	16,841	17,279	18,535	18,387	17,320	2.8
Double-Hull	6,255	6,942	8,742	9,568	10,045	60.6
Product	10,208	10,875	11,868	11,780	10,949	7.3
Double-Hull	3,612	3,996	5,184	5,755	5,770	59.7
Crude	6,633	6,404	6,667	6,607	6,371	-3.9
Double-Hull	2,643	2,946	3,558	3,813	4,275	61.7
Container	15,846	16,625	17,410	17,076	17,138	8.2
Dry Bulk	12,674	11,946	12,013	11,628	11,112	-12.3
Ro-Ro	4,251	5,073	5,542	5,712	5,632	32.5
Vehicle	2,431	3,072	3,646	3,646	3,605	48.3
Gas Carrier	685	683	708	739	739	7.9
Combination	846	767	856	770	761	-10.0
General Cargo	4,978	4,354	4,318	4,076	3,894	-21.8
All Types	56,121	56,727	59,382	58,388	56,596	0.8
<b>Capacity (Million DWT/TEU)</b>						
Tanker	1,156	1,170	1,252	1,274	1,202	4.0
Double-Hull	425	480	600	678	752	77.1
Product	376	408	437	443	406	7.8
Double-Hull	126	137	177	208	208	66.0
Crude	780	762	816	831	797	2.1
Double-Hull	299	342	423	470	544	81.8
Container	574	608	658	677	722	25.8
Container (TEU)	40	42	46	48	52	30.5
Dry Bulk	529	500	501	490	476	-9.9
Ro-Ro	85	95	102	117	115	35.7
Vehicle	42	49	60	64	63	50.5
Gas Carrier	21	21	22	25	24	15.6
Combination	70	68	77	68	64	-8.4
General Cargo	107	97	99	95	91	-14.2
All Types	2,542	2,559	2,711	2,746	2,695	6.0
<b>Average DWT/TEU Per Call</b>						
Tanker	68,670	67,723	67,551	69,313	69,412	1.1
Double-Hull	67,896	69,076	68,638	70,914	74,887	10.3
Product	36,872	37,516	36,780	37,612	37,050	0.5
Double-Hull	34,770	34,374	34,074	36,180	36,128	3.9
Crude	117,606	119,019	122,326	125,833	125,028	6.3
Double-Hull	113,166	116,146	118,998	123,338	127,200	12.4
Container	36,243	36,586	37,784	39,656	42,158	16.3
Container (TEU)	2,503	2,550	2,652	2,801	3,020	20.7
Dry Bulk	41,740	41,833	41,694	42,142	42,876	2.7
Ro-Ro	19,898	18,662	18,456	20,445	20,376	2.4
Vehicle	17,276	16,034	16,438	17,579	17,528	1.5
Gas Carrier	29,954	31,402	31,397	33,438	32,099	7.2
Combination	82,895	88,433	89,462	87,873	84,459	1.9
General Cargo	21,409	22,331	22,857	23,416	23,496	9.7
All Types	45,289	45,117	45,646	47,034	47,625	5.2

Table S-1



## Summary Tables

Foreign-Flag Vessel Calls at U.S. Ports, Calls, Capacity and Average DWT/ <i>TEU</i> Per Call, 1998-2002						
Vessel Type	1998	1999	2000	2001	2002	% Ch. 98-02
<b>Calls</b>						
Tanker	12,496	13,184	14,432	14,378	13,771	10.2
Double-Hull	5,271	5,828	7,328	8,055	8,597	63.1
Product	7,328	8,026	8,936	8,919	8,519	16.3
Double-Hull	2,750	3,038	3,956	4,505	4,708	71.2
Crude	5,168	5,158	5,496	5,459	5,252	1.6
Double-Hull	2,521	2,790	3,372	3,550	3,889	54.3
Container	12,549	13,369	14,168	14,330	14,314	14.1
Dry Bulk	12,567	11,842	11,882	11,477	10,956	-12.8
Ro-Ro	3,526	4,163	4,574	4,811	4,738	34.4
Vehicle	2,271	2,875	3,383	3,399	3,377	48.7
Gas Carrier	665	666	708	739	739	11.1
Combination	846	767	856	770	761	-10.0
General Cargo	4,822	4,191	4,163	3,942	3,804	-21.1
All Types	47,471	48,182	50,783	50,447	49,083	3.4
<b>Capacity (Million DWT/<i>TEU</i>)</b>						
Tanker	856	896	984	1,006	956	11.6
Double-Hull	377	423	529	596	659	74.8
Product	261	293	317	326	305	17.0
Double-Hull	93	100	129	159	166	78.3
Crude	596	603	666	680	651	9.2
Double-Hull	284	323	400	437	493	73.7
Container	464	498	546	579	624	34.3
Container ( <i>TEU</i> )	32	35	38	41	45	39.8
Dry Bulk	524	495	494	483	470	-10.4
Ro-Ro	70	78	85	100	98	40.6
Vehicle	39	46	55	60	59	51.7
Gas Carrier	20	21	22	25	24	20.0
Combination	70	68	77	68	64	-8.4
General Cargo	101	91	93	91	89	-12.4
All Types	2,106	2,147	2,301	2,352	2,324	10.4
<b>Average DWT/<i>TEU</i> Per Call</b>						
Tanker	68,546	67,970	68,164	69,996	69,424	1.3
Double-Hull	71,557	72,604	72,178	73,944	76,690	7.2
Product	35,618	36,562	35,496	36,572	35,854	0.7
Double-Hull	33,908	33,027	32,519	35,278	35,311	4.1
Crude	115,235	116,841	121,278	124,605	123,876	7.5
Double-Hull	112,626	115,698	118,705	123,011	126,784	12.6
Container	36,993	37,262	38,534	40,402	43,585	17.8
Container ( <i>TEU</i> )	2,546	2,585	2,695	2,845	3,121	22.6
Dry Bulk	41,708	41,807	41,600	42,152	42,862	2.8
Ro-Ro	19,812	18,633	18,528	20,810	20,735	4.7
Vehicle	17,147	15,878	16,313	17,584	17,494	2.0
Gas Carrier	29,732	31,258	31,397	33,438	32,099	8.0
Combination	82,985	88,433	89,462	87,873	84,459	1.8
General Cargo	21,003	21,783	22,357	23,041	23,320	11.0
All Types	44,364	44,557	45,303	46,632	47,357	6.7

Table S-2

## Summary Tables

U.S.-Flag Vessel Calls at U.S. Ports, Calls, Capacity and Average DWT/ <i>TEU</i> Per Call, 1998-2002						
Flag/Vessel Type	1998	1999	2000	2001	2002	% Ch. 98-02
<b>Calls</b>						
Tanker	4,345	4,095	4,103	4,009	3,549	-18.3
Double-Hull	984	1,114	1,414	1,513	1,448	47.2
Product	2,880	2,849	2,932	2,861	2,430	-15.6
Double-Hull	862	958	1,228	1,250	1,062	23.2
Crude	1,465	1,246	1,171	1,148	1,119	-23.6
Double-Hull	122	156	186	263	386	216.4
Container	3,297	3,256	3,242	2,746	2,824	-14.3
Dry Bulk	107	104	131	151	156	45.8
Ro-Ro	725	910	968	901	894	23.3
Vehicle	160	197	263	247	228	42.5
Gas Carrier	20	17	0	0	0	-100.0
Combination	0	0	0	0	0	0.0
General Cargo	156	163	155	134	90	-42.3
All Types	8,650	8,545	8,599	7,941	7,513	-13.1
<b>Capacity (Million DWT/<i>TEU</i>)</b>						
Tanker	300	274	268	268	246	-17.9
Double-Hull	48	56	71	83	93	95.6
Product	115	114	119	117	100	-13.1
Double-Hull	32	37	48	49	42	30.5
Crude	185	159	149	151	146	-20.9
Double-Hull	15	19	23	34	51	234.4
Container	110	110	112	98	99	-10.4
<i>Container (TEU)</i>	<i>8</i>	<i>8</i>	<i>8</i>	<i>7</i>	<i>7</i>	<i>-8.1</i>
Dry Bulk	5	5	7	6	7	40.3
Ro-Ro	15	17	17	17	17	12.1
Vehicle	3	4	5	4	4	34.5
Gas Carrier	1	1	0	0	0	-100.0
Combination	0	0	0	0	0	0.0
General Cargo	5	6	6	5	3	-47.5
All Types	436	412	410	394	371	-14.9
<b>Average DWT/<i>TEU</i> Per Call</b>						
Tanker	69,026	66,927	65,395	66,862	69,364	0.5
Double-Hull	48,285	50,620	50,296	54,785	64,183	32.9
Product	40,060	40,202	40,692	40,855	41,244	3.0
Double-Hull	37,523	38,646	39,085	39,431	39,753	5.9
Crude	125,969	128,034	127,246	131,677	130,432	3.5
Double-Hull	124,328	124,149	124,312	127,761	131,397	5.7
Dry Bulk	45,596	44,820	50,155	41,354	43,885	-3.8
Container	33,388	33,808	34,509	35,764	34,926	4.6
<i>Container (TEU)</i>	<i>2,340</i>	<i>2,409</i>	<i>2,468</i>	<i>2,571</i>	<i>2,510</i>	<i>7.3</i>
Ro-Ro	20,317	18,798	18,115	18,491	18,476	-9.1
Vehicle	19,144	18,310	18,045	17,517	18,042	-5.8
Gas Carrier	37,326	37,040	0	0	0	
Combination	0	0	0	0	0	
General Cargo	33,934	36,424	36,288	34,451	30,897	-8.9
All Types	50,364	48,271	47,671	49,588	49,375	-2.0

Table S-3

## Summary Tables

Vessel Calls at U.S. Ports by Coastal Region and Vessel Type, 1998-2002						
Vessel Type/Region	1998	1999	2000	2001	2002	% Ch. 98-02
<b>Tanker</b>						
North Atlantic	3,049	3,153	3,533	3,682	3,122	2.4
South Atlantic	1,227	1,393	1,406	1,437	1,297	5.7
Puerto Rico	170	216	182	212	241	41.8
U.S. Gulf	8,991	8,861	9,463	9,155	8,798	-2.1
Pacific Northwest	1,526	1,630	1,870	1,805	1,793	17.5
Pacific Southwest	1,878	2,026	2,081	2,096	2,069	10.2
Total	16,841	17,279	18,535	18,387	17,320	2.8
<b>Container</b>						
North Atlantic	3,180	3,157	3,208	3,196	3,043	-4.3
South Atlantic	5,127	5,116	5,212	5,479	5,444	6.2
Puerto Rico	616	665	673	586	568	-7.8
U.S. Gulf	1,127	1,197	1,178	1,283	1,262	12.0
Pacific Northwest	1,603	1,779	1,898	1,705	1,787	11.5
Pacific Southwest	4,193	4,711	5,241	4,827	5,034	20.1
Total	15,846	16,625	17,410	17,076	17,138	8.2
<b>Dry Bulk</b>						
North Atlantic	1,553	1,441	1,579	1,587	1,388	-10.6
South Atlantic	1,755	1,710	1,603	1,341	1,156	-34.1
Puerto Rico	100	130	116	91	85	-15.0
U.S. Gulf	6,078	5,521	5,104	4,794	4,983	-18.0
Pacific Northwest	1,787	1,744	1,998	2,420	2,111	18.1
Pacific Southwest	1,401	1,400	1,613	1,395	1,389	-0.9
Total	12,674	11,946	12,013	11,628	11,112	-12.3
<b>Ro-Ro</b>						
North Atlantic	1,123	1,209	1,479	1,786	1,804	60.6
South Atlantic	1,211	1,538	1,684	1,644	1,555	28.4
Puerto Rico	82	175	228	200	167	103.7
U.S. Gulf	424	452	446	449	431	1.7
Pacific Northwest	663	748	789	773	792	19.5
Pacific Southwest	748	951	916	860	883	18.0
Total	4,251	5,073	5,542	5,712	5,632	32.5

Table S-4

## Summary Tables

Vessel Calls at U.S. Ports by Coastal Region and Vessel Type, 1998-2002 - Cont.						
Vessel Type/Region	1998	1999	2000	2001	2002	% Ch. 98-02
<b>Gas Carrier</b>						
North Atlantic	39	90	74	75	73	87.2
South Atlantic	35	29	35	33	26	-25.7
Puerto Rico	15	13	18	28	33	120.0
U.S. Gulf	474	458	470	493	514	8.4
Pacific Northwest	88	66	57	61	43	-51.1
Pacific Southwest	34	27	54	49	50	47.1
Total	685	683	708	739	739	7.9
<b>Combination</b>						
North Atlantic	263	238	217	251	234	-11.0
South Atlantic	99	80	92	71	69	-30.3
Puerto Rico	13	12	14	5	14	7.7
U.S. Gulf	436	402	505	406	418	-4.1
Pacific Northwest	3	7	2	3	0	-100.0
Pacific Southwest	32	28	26	34	26	-18.8
Total	846	767	856	770	761	-10.0
<b>General Cargo</b>						
North Atlantic	858	886	890	846	789	-8.0
South Atlantic	1,051	1,023	907	800	828	-21.2
Puerto Rico	357	302	329	285	269	-24.6
U.S. Gulf	1,909	1,478	1,471	1,361	1,267	-33.6
Pacific Northwest	213	139	146	160	171	-19.7
Pacific Southwest	590	526	575	624	570	-3.4
Total	4,978	4,354	4,318	4,076	3,894	-21.8
<b>All Types</b>						
North Atlantic	10,065	10,174	10,980	11,423	10,453	3.9
South Atlantic	10,505	10,889	10,939	10,805	10,375	-1.2
Puerto Rico	1,353	1,513	1,560	1,407	1,377	1.8
U.S. Gulf	19,439	18,369	18,673	17,941	17,673	-9.1
Pacific Northwest	5,883	6,113	6,760	6,927	6,697	13.8
Pacific Southwest	8,876	9,669	10,506	9,885	10,021	12.9
Total	56,121	56,727	59,382	58,388	56,596	0.8

Table S-4 -- Cont.

## Summary Tables

Vessel Capacity Calling at U.S. Ports by Coastal Region and Vessel Type, 1998-2002						
(Thousand DWT/TEU)						
Vessel Type/Region	1998	1999	2000	2001	2002	% Ch. 98-02
<b>Tanker</b>						
North Atlantic	184,839	191,989	214,073	218,849	188,820	2.2
South Atlantic	49,130	56,522	57,782	59,243	53,201	8.3
Puerto Rico	6,730	9,069	7,766	9,325	11,267	67.4
U.S. Gulf	620,561	607,422	649,296	662,854	621,759	0.2
Pacific Northwest	151,387	148,229	158,668	158,030	155,389	2.6
Pacific Southwest	143,820	156,948	164,470	166,151	171,777	19.4
Total	1,156,467	1,170,180	1,252,054	1,274,451	1,202,213	4.0
<b>Container</b>						
North Atlantic	113,054	114,151	118,974	118,536	124,692	10.3
South Atlantic	177,927	185,932	198,780	216,947	232,109	30.5
Puerto Rico	12,493	13,003	12,925	11,338	12,361	-1.1
U.S. Gulf	32,364	34,192	34,435	39,761	40,170	24.1
Pacific Northwest	62,952	68,488	76,231	75,230	81,326	29.2
Pacific Southwest	175,512	192,468	216,478	215,352	231,842	32.1
Total	574,301	608,234	657,822	677,164	722,500	25.8
<b>Container (TEU)</b>						
North Atlantic	7,653	7,762	8,099	8,066	8,688	13.5
South Atlantic	12,208	12,853	13,844	15,054	16,316	33.7
Puerto Rico	751	796	787	701	763	1.6
U.S. Gulf	2,172	2,372	2,346	2,713	2,787	28.3
Pacific Northwest	4,466	4,918	5,563	5,534	6,053	35.5
Pacific Southwest	12,410	13,744	15,539	15,756	17,151	38.2
Total	39,660	42,401	46,179	47,824	51,757	30.5
<b>Dry Bulk</b>						
North Atlantic	62,784	58,661	60,149	62,958	58,404	-7.0
South Atlantic	83,647	73,415	66,880	57,067	47,377	-43.4
Puerto Rico	3,143	3,921	3,487	2,726	2,849	-9.4
U.S. Gulf	253,099	236,041	223,193	212,940	222,278	-12.2
Pacific Northwest	66,360	67,140	77,439	95,401	83,800	26.3
Pacific Southwest	59,985	60,559	69,717	58,931	61,730	2.9
Total	529,017	499,736	500,864	490,024	476,438	-9.9
<b>Ro-Ro</b>						
North Atlantic	22,606	23,203	27,491	40,174	39,861	76.3
South Atlantic	25,487	30,290	32,598	34,484	32,474	27.4
Puerto Rico	1,460	2,770	3,635	3,197	2,643	81.0
U.S. Gulf	9,064	9,629	9,839	9,976	9,612	6.0
Pacific Northwest	11,514	12,362	12,822	12,952	13,329	15.8
Pacific Southwest	14,454	16,421	15,896	15,996	16,841	16.5
Total	84,585	94,675	102,281	116,780	114,760	35.7

Table S-5

## Summary Tables

Vessel Capacity Calling at U.S. Ports by Coastal Region and Vessel Type, 1998-2002 - Cont.						
(Thousand DWT/TEU)						
Vessel Type/Region	1998	1999	2000	2001	2002	% Ch. 98-02
<b>Gas Carrier</b>						
North Atlantic	2,115	4,228	3,676	3,360	3,585	69.5
South Atlantic	1,223	1,138	1,208	1,258	1,009	-17.5
Puerto Rico	263	287	467	549	848	222.4
U.S. Gulf	13,181	12,540	13,337	15,970	15,455	17.3
Pacific Northwest	3,118	2,614	2,488	2,504	1,839	-41.0
Pacific Southwest	618	641	1,054	1,070	985	59.4
Total	20,518	21,448	22,229	24,710	23,721	15.6
<b>Combination</b>						
North Atlantic	21,302	20,819	19,400	21,703	19,766	-7.2
South Atlantic	7,683	6,745	7,556	5,403	5,271	-31.4
Puerto Rico	801	840	1,010	357	789	-1.5
U.S. Gulf	38,030	36,518	46,643	37,913	36,581	3.8
Pacific Northwest	199	730	96	135	0	-100.0
Pacific Southwest	2,190	2,177	1,875	2,151	1,866	-14.8
Total	70,205	67,828	76,580	67,662	64,273	-8.4
<b>General Cargo</b>						
North Atlantic	16,103	16,007	16,669	16,679	15,447	-4.1
South Atlantic	26,453	26,767	24,836	21,625	20,955	-20.8
Puerto Rico	4,941	4,732	4,951	3,528	3,585	-27.4
U.S. Gulf	40,006	33,541	33,386	32,166	29,901	-25.3
Pacific Northwest	6,622	4,540	4,670	5,337	6,510	-1.7
Pacific Southwest	12,446	11,641	14,186	16,107	15,092	21.3
Total	106,572	97,229	98,698	95,442	91,492	-14.2
<b>All Types</b>						
North Atlantic	422,804	429,058	460,432	482,259	450,576	6.6
South Atlantic	371,549	380,808	389,639	396,027	392,397	5.6
Puerto Rico	29,831	34,662	34,240	31,019	34,341	15.1
U.S. Gulf	1,006,305	969,882	1,010,130	1,011,580	975,757	-3.0
Pacific Northwest	302,152	304,103	332,415	349,589	342,193	13.3
Pacific Southwest	409,026	440,855	489,639	475,757	500,134	22.3
Total	2,541,666	2,559,329	2,710,529	2,746,233	2,695,398	6.0

Table S-5 -- Cont.

## Summary Tables

Top 20 U.S. Ports of Call by Vessel Type, 2002					
(Vessel Calls)					
Vessel Type/Port	Calls	Percent of Total	Vessel Type/Port	Calls	Percent of Total
<b>Tanker</b>			<b>Tanker, Crude</b>		
Houston	2,477	14	Port Arthur	765	12
New Orleans	1,261	7	Houston	603	9
Port Arthur	1,162	7	New Orleans	507	8
New York	1,094	6	Phila./Del. River Ports	442	7
L.A./Long Beach	977	6	Valdez	396	6
Texas City	911	5	Texas City	389	6
Phila./Del. River Ports	840	5	Corpus Christi	330	5
San Francisco Bay Ports	734	4	L.A./Long Beach	318	5
Corpus Christi	699	4	LOOP Terminal	312	5
Valdez	585	3	New York	223	4
Freeport, TX	483	3	Lake Charles	222	3
Portland, ME	361	2	San Francisco Bay Ports	209	3
March Point	361	2	Freeport, TX	207	3
Port Everglades	342	2	Portland, ME	200	3
Lake Charles	338	2	March Point	159	2
Boston	316	2	Port Angeles	152	2
LOOP Terminal	312	2	El Segundo	142	2
Jacksonville	231	1	Cherry Point	117	2
Savannah	221	1	Ferndale	81	1
El Segundo	210	1	Beaumont	60	1
Top 20 Ports	13,915	80	Top 20 Ports	5,834	92
All Ports	17,320	100	All Ports	6,371	100
<b>Tanker, Product</b>			<b>Container</b>		
Houston	1,874	17	L.A./Long Beach	2,779	16
New York	871	8	New York	2,121	12
New Orleans	754	7	San Francisco Bay Ports	1,917	11
L.A./Long Beach	659	6	Virginia Ports	1,529	9
San Francisco Bay Ports	525	5	Charleston	1,393	8
Texas City	522	5	Savannah	1,085	6
Phila./Del. River Ports	398	4	Seattle	781	5
Port Arthur	397	4	Houston	772	5
Corpus Christi	369	3	Miami	750	4
Port Everglades	339	3	Tacoma	529	3
Boston	316	3	San Juan	482	3
Freeport, TX	276	3	Baltimore	381	2
Jacksonville	229	2	Phila./Del. River Ports	371	2
Savannah	220	2	Jacksonville	340	2
March Point	202	2	Honolulu	328	2
Point Comfort	200	2	New Orleans	326	2
Wilmington, NC	194	2	Port Everglades	222	1
Valdez	189	2	Columbia River Ports	181	1
Columbia River Ports	176	2	Dutch Harbor	127	1
Tampa	170	2	Boston	117	1
Top 20 Ports	8,880	81	Top 20 Ports	16,531	96
All Ports	10,949	100	All Ports	17,138	100

Table S-6

## Summary Tables

Top 20 U.S. Ports of Call by Vessel Type, 2002 - Cont.					
(Vessel Calls)					
Vessel Type/Port	Calls	Percent of Total	Vessel Type/Port	Calls	Percent of Total
<b>Dry Bulk</b>			<b>Gas Carrier</b>		
New Orleans	2,580	23	Houston	166	22
Columbia River Ports	1,539	14	Tampa	140	19
Houston	688	6	Lake Charles	46	6
San Francisco Bay Ports	671	6	New Orleans	46	6
L.A./Long Beach	627	6	San Francisco Bay Ports	45	6
Tampa	413	4	Freeport, TX	42	6
Phila./Del. Reiver Ports	395	4	Boston	40	5
Baltimore	332	3	Point Comfort	35	5
Mobile	310	3	Kenai	30	4
Virginia Ports	293	3	Savannah	19	3
New York	288	3	Guayanilla	18	2
Savannah	243	2	New York	11	1
Corpus Christi	202	2	San Juan	9	1
Tacoma	193	2	Portsmouth, NH	9	1
Jacksonville	193	2	Port Arthur	7	1
Seattle	189	2	Phila./Del. River Ports	7	1
Charleston	168	1	Pascagoula	6	1
Port Arthur	150	1	Ponce	6	1
Lake Charles	124	1	Providence	6	1
Brownsville	110	1	Sabine	6	1
Top 20 Ports	9,708	87	Top 20 Ports	694	94
All Ports	11,112	100	All Ports	739	100
<b>Ro-Ro</b>			<b>Combination</b>		
Baltimore	694	12	Houston	128	17
New York	640	11	New York	118	16
Jacksonville	556	10	Corpus Christi	89	12
Tacoma	364	6	New Orleans	60	8
Phila./Del. River Ports	363	6	Phila./Del. River Ports	55	7
L.A./Long Beach	342	6	Virginia Ports	50	7
Columbia River Ports	276	5	Port Arthur	35	5
Miami	250	4	Portland, ME	35	5
Houston	223	4	Mobile	20	3
Charleston	207	4	Freeport, TX	20	3
Savannah	188	3	Texas City	19	2
Port Hueneme	177	3	L.A./Long Beach	17	2
San Diego	167	3	Baltimore	12	2
San Juan	165	3	Point Comfort	9	1
Virginia Ports	157	3	Galveston	8	1
Anchorage	134	2	San Francisco Bay Ports	8	1
San Francisco Bay Ports	102	2	Port Everglades	7	1
Port Everglades	101	2	Lake Charles	6	1
Honolulu	95	2	Beaumont	5	1
Brunswick	66	1	Pascagoula	5	1
Top 20 Ports	5,267	94	Top 20 Ports	706	93
All Ports	5,632	100	All Ports	761	100

Table S-6 -- Cont.



## Summary Tables

Top 20 U.S. Ports of Call by Vessel Type, 2002 - Cont.					
(Vessel Calls)					
Vessel Type/Port	Calls	Percent of Total	Vessel Type/Port	Calls	Percent of Total
<b>General Cargo</b>			<b>All Vessel Types</b>		
Phila./Del. River Ports	370	10	L.A./Long Beach	4,994	9
New Orleans	324	8	Houston	4,775	8
Houston	321	8	New Orleans	4,657	8
San Juan	260	7	New York	4,447	8
L.A./Long Beach	248	6	San Francisco Bay Ports	3,639	6
Savannah	199	5	Phila./Del. River Ports	2,401	4
New York	175	4	Columbia River Ports	2,324	4
San Francisco Bay Ports	162	4	Virginia Ports	2,258	4
Mobile	159	4	Charleston	2,022	4
Baltimore	152	4	Savannah	1,958	3
Columbia River Ports	130	3	Baltimore	1,711	3
Tampa	119	3	Port Arthur	1,433	3
Wilmington, NC	110	3	Jacksonville	1,375	2
Charleston	108	3	Tacoma	1,205	2
Port Hueneme	104	3	Miami	1,099	2
Virginia Ports	96	2	San Juan	1,070	2
Miami	77	2	Seattle	1,020	2
Port Arthur	70	2	Corpus Christi	1,013	2
Galveston	63	2	Texas City	984	2
Palm Beach	60	2	Tampa	879	2
Top 20 Ports	3,307	85	Top 20 Ports	45,264	80
All Ports	3,894	100	All Ports	56,596	100

Table S-6 -- Cont.

## Summary Tables

Top 20 U.S. Ports of Call by Vessel Type, 2002					
(Capacity, Thousand DWT/ <i>TEU</i> )					
Vessel Type/Port	Capacity	Percent of Total	Vessel Type/Port	Capacity	Percent of Total
<b>Tanker</b>			<b>Tanker, Crude</b>		
Houston	118,564	10	LOOP Terminal	79,296	10
Port Arthur	94,802	8	Port Arthur	77,441	10
LOOP Terminal	79,296	7	Houston	59,529	7
New Orleans	78,576	7	Phila./Del. River Ports	58,422	7
L.A./Long Beach	76,588	6	Valdez	51,900	7
Phila./Del. River Ports	72,732	6	New Orleans	50,908	6
Valdez	61,356	5	L.A./Long Beach	49,384	6
New York	58,363	5	Texas City	38,803	5
Texas City	55,558	5	Corpus Christi	33,912	4
San Francisco Bay Ports	50,866	4	San Francisco Bay Ports	29,808	4
Corpus Christi	48,884	4	New York	23,306	3
Freeport, TX	28,531	2	Lake Charles	22,208	3
March Point	28,277	2	El Segundo	20,968	3
Lake Charles	26,522	2	Freeport, TX	20,502	3
Portland, ME	25,174	2	Portland, ME	20,356	3
El Segundo	24,020	2	March Point	19,664	2
Port Angeles	21,629	2	Port Angeles	18,975	2
Cherry Point	16,021	1	Galveston Light. Area	14,837	2
Port Everglades	15,390	1	S. Sabine Light. Area	14,745	2
Galveston Light. area	14,837	1	Cherry Point	14,321	2
Top 20 Ports	995,986	83	Top 20 Ports	719,284	90
All Ports	1,202,213	100	All Ports	796,550	100
<b>Tanker, Product</b>			<b>Container</b>		
Houston	59,036	15	L.A./Long Beach	133,329	18
New York	35,057	9	New York	93,226	13
New Orleans	27,669	7	San Francisco Bay Ports	89,200	13
L.A./Long Beach	27,205	7	Virginia Ports	67,282	9
San Francisco Bay Ports	21,057	5	Charleston	61,877	9
Port Arthur	17,361	4	Savannah	50,426	7
Texas City	16,755	4	Seattle	38,697	5
Corpus Christi	14,972	4	Miami	31,433	4
Port Everglades	14,940	4	Tacoma	26,904	4
Phila./Del. River Ports	14,310	4	Houston	25,987	4
Boston	11,811	3	Baltimore	15,155	2
Jacksonville	9,557	2	New Orleans	10,701	1
Valdez	9,456	2	Phila./Del. River Ports	10,410	1
March Point	8,613	2	San Juan	10,171	1
Freeport, TX	8,029	2	Jacksonville	9,449	1
Savannah	7,706	2	Honolulu	9,150	1
Point Comfort	6,894	2	Port Everglades	7,331	1
Wilmington, NC	6,712	2	Columbia River Ports	7,269	1
Columbia River Ports	6,563	2	Boston	5,010	1
Charleston	5,908	1	Dutch Harbor	4,419	1
Top 20 Ports	329,611	81	Top 20 Ports	707,424	98
All Ports	405,663	100	All Ports	722,500	100

Table S-7

## Summary Tables

Top 20 U.S. Ports of Call by Vessel Type - Cont.					
(Capacity, Thousand DWT/TEU)					
Vessel Type/Port	Capacity	Percent of Total	Vessel Type/Port	Capacity	Percent of Total
<b>Container (TEU)</b>			<b>Dry Bulk</b>		
L.A./Long Beach	9,889	19	New Orleans	120,331	25
San Francisco Bay Ports	6,671	13	Columbia River Ports	57,804	12
New York	6,542	13	L.A./Long Beach	31,325	7
Virginia Ports	4,739	9	San Francisco Bay Ports	26,586	6
Charleston	4,467	9	Houston	25,635	5
Savannah	3,478	7	Baltimore	17,787	4
Seattle	2,763	5	Mobile	17,589	4
Miami	2,207	4	Tampa	16,627	3
Tacoma	2,089	4	Virginia Ports	15,518	3
Houston	1,840	4	Phila./Del. River Ports	15,438	3
Baltimore	1,066	2	New York	11,168	2
New Orleans	733	1	Tacoma	9,899	2
Phila./Del. River Ports	694	1	Seattle	8,906	2
Jacksonville	622	1	Jacksonville	8,332	2
San Juan	617	1	Corpus Christi	7,766	2
Honolulu	582	1	Savannah	7,555	2
Columbia River Ports	518	1	Charleston	7,004	1
Port Everglades	509	1	Lake Charles	5,671	1
Dutch Harbor	368	1	Port Arthur	5,417	1
Boston	358	1	Point Comfort	4,979	1
Top 20 Ports	50,749	98	Top 20 Ports	421,337	88
All Ports	51,757	100	All Ports	476,438	100
<b>Ro-Ro</b>			<b>Gas Carrier</b>		
New York	15,791	14	Houston	4,467	19
Baltimore	15,778	14	Tampa	3,994	17
Jacksonville	9,746	8	Lake Charles	2,727	11
Phila./Del. River Ports	6,432	6	Boston	2,383	10
L.A./Long Beach	6,384	6	Kenai	1,378	6
Tacoma	6,171	5	New Orleans	1,196	5
Savannah	5,752	5	Freeport, TX	1,194	5
Virginia Ports	5,372	5	Point Comfort	965	4
Columbia River Ports	4,478	4	San Francisco Bay Ports	811	3
Houston	4,367	4	Savannah	803	3
Charleston	4,119	4	Guayanilla	599	3
Miami	3,784	3	New York	430	2
San Diego	3,461	3	Portsmouth, NH	371	2
Port Hueneme	3,137	3	Providence	244	1
San Juan	2,607	2	Ferndale	204	1
Anchorage	2,312	2	L.A./Long Beach	162	1
New Orleans	2,082	2	Phila./Del. River Ports	157	1
San Francisco Bay Ports	2,037	2	Port Arthur	145	1
Honolulu	1,822	2	Virginia Ports	139	1
Port Everglades	1,417	1	Sabine	133	1
Top 20 Ports	107,049	93	Top 20 Ports	22,502	95
All Ports	114,760	100	All Ports	23,721	100

Table S-7 - Cont.

## Summary Tables

Top 20 U.S. Ports of Call by Vessel Type, 2002 - Cont.					
(Capacity, Thousand DWT/ <i>TEU</i> )					
Vessel Type/Port	Capacity	Percent of Total	Vessel Type/Port	Capacity	Percent of Total
<b>Combination</b>			<b>General Cargo</b>		
Houston	11,112	17	New Orleans	7,604	8
New York	8,839	14	Houston	7,399	8
Corpus Christi	8,274	13	L.A./Long Beach	6,342	7
Phila./Del. River Ports	5,645	9	Phila./Del. River Ports	6,003	7
New Orleans	5,181	8	San Francisco Bay Ports	5,743	6
Virginia Ports	4,340	7	Savannah	5,490	6
Portland, ME	3,575	6	Columbia River Ports	5,033	6
Port Arthur	2,831	4	Mobile	5,018	5
Mobile	1,680	3	Charleston	3,868	4
Freeport, TX	1,666	3	New York	3,621	4
Texas City	1,502	2	Baltimore	3,560	4
L.A./Long Beach	1,254	2	Wilmington, NC	3,374	4
Baltimore	908	1	San Juan	3,280	4
Galveston	781	1	Tampa	2,473	3
S. Sabine Light. area	771	1	Port Arthur	2,134	2
San Francisco Bay Ports	546	1	Virginia Ports	2,104	2
LOOP Term.	499	1	Port Hueneme	1,561	2
Point Comfort	432	1	Jacksonville	1,524	2
Lake Charles	425	1	Beaumont	1,197	1
Beaumont	410	1	Miami	1,178	1
Top 20 Ports	60,671	94	Top 20 Ports	78,508	86
All Ports	64,273	100	All Ports	91,492	100
<b>All Vessel Types</b>					
L.A./Long Beach	255,384	9			
New Orleans	225,671	8			
Houston	197,531	7			
New York	191,438	7			
San Francisco Bay Ports	175,789	7			
Phila./Del. River Ports	116,818	4			
Port Arthur	105,515	4			
Virginia Ports	100,980	4			
Columbia River Ports	82,957	3			
Charleston	82,913	3			
LOOP Terminal	79,795	3			
Savannah	77,982	3			
Corpus Christi	65,369	2			
Valdez	61,356	2			
Texas City	59,869	2			
Baltimore	58,048	2			
Seattle	49,801	2			
Tacoma	48,625	2			
Jacksonville	39,023	1			
Miami	37,058	1			
Top 20 Ports	2,111,923	78			
All Ports	2,695,398	100			

Table S-7 - Cont.