

Containership Market Indicators

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Office Of Statistical and Economic Analysis
U.S. Maritime Administration
(www.marad.dot.gov/marad_statistics)

Notes

Containerships: Full Containerships and Refrigerated Containerships.

TEU: A nominal unit of measure equivalent to a 20' x 8' x 8' shipping container.

Containership Size Groupings:

Group	Size (TEU's)
Feeder	< 500
Feedermax	500-999
Handy	1,000-1,999
Sub-Panamax	2,000-2,999
Panamax	3,000-3,999
Post-Panamax	> 3,999

Shared containerships are partnered, slot chartered, or both.

Partnered: At least 2 carriers provided vessels for the service.

Slot-chartered: A carrier pays for slots (TEU space) on another carriers vessel on a per voyage basis.

Port Groupings:

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

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

Containership capacity calling at U.S. ports: Sum of vessel calls weighted by vessel DWT and TEU capacities. For example, if only 3 containerships called at U.S. ports, the total capacity calling and the average vessel size per call would be:

	Calls	DWT	TEU	Calls x DWT	Calls x TEU
Vessel A	10	25,000	1,500	250,000	15,000
Vessel B	15	30,000	2,000	450,000	30,000
Vessel C	12	15,000	1,000	180,000	12,000
Total	37			880,000	57,000
DWT/Call	23,784				
TEU/Call	1,540				

Highlights

- For the period 1999 to 2004, U.S. container imports (TEU's) increased by 58 percent, while container exports rose by 22 percent (Exhibits 1 and 7). In 2004, Asia accounted for 60 percent of U.S. container trade (imports and exports), up from 55 percent 4 years earlier (Exhibits 2 and 7). On the U.S. side, the top ten U.S. container ports accounted for 88 percent of U.S. container trades. Over the last 4 years, container trade through these ports grew at about 5 percent faster than overall U.S. container trade (Exhibit 8).
- As of year-end 2004, the world containership fleet was comprised of 3,375 vessels of 7.2 million TEU's (Exhibits 3 and 9). Sixty-nine percent of the existing fleet capacity was built since 1995 (Exhibits 4 and 10). Of this, 55 percent was post-panamax capacity (See Notes for size-group definitions). Another 950 new containerships (3.6 million TEU's) were scheduled for delivery over the next 3 years.
- Seventy-five percent of the year-end 2004 containership fleet capacity was shared (partnered or slot-chartered) by carriers. Of this, 80 percent was partnered (See Notes for definitions).
- In terms of TEU's, the average size of containerships calling at U.S. ports increased by 26 percent, and the containership capacity (calls x average capacity) calling at U.S. ports increased by 39 percent (Exhibit 11).
- Over the last 5 years, average containership freight rates in the U.S. transatlantic inbound (import) trades increased by 34 percent, while freight rates in the other mainstream (transatlantic and transpacific) container trades declined (Exhibit 12).

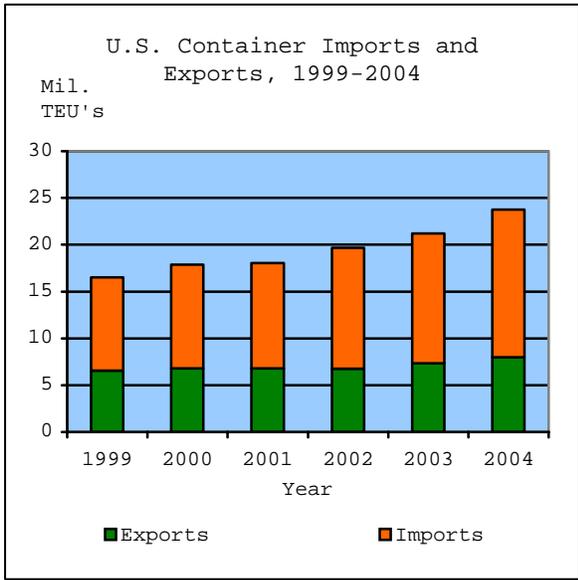


Exhibit 1

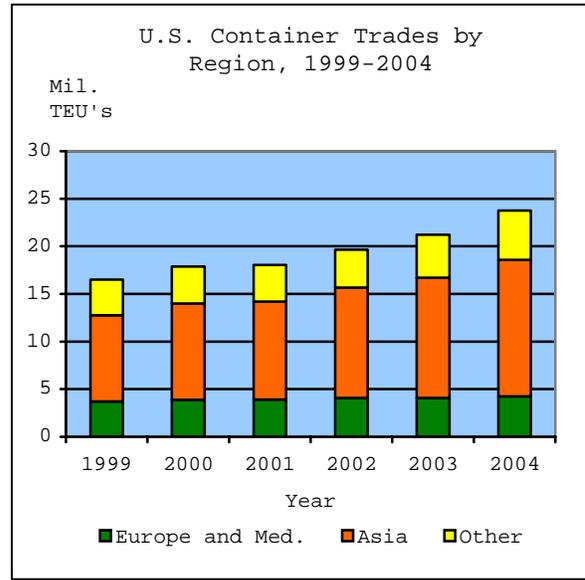


Exhibit 2

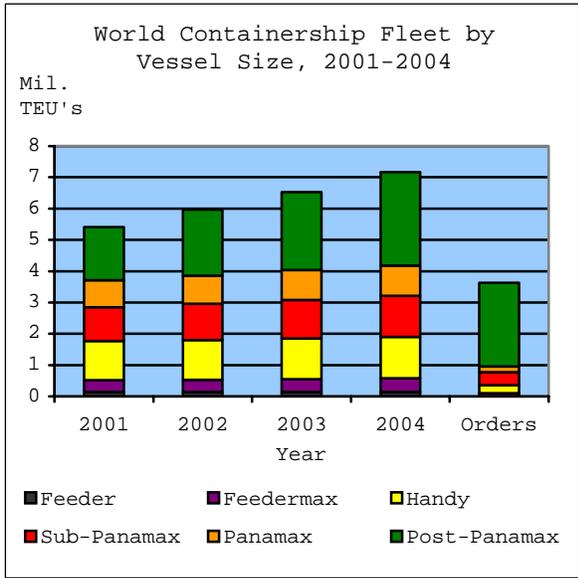


Exhibit 3

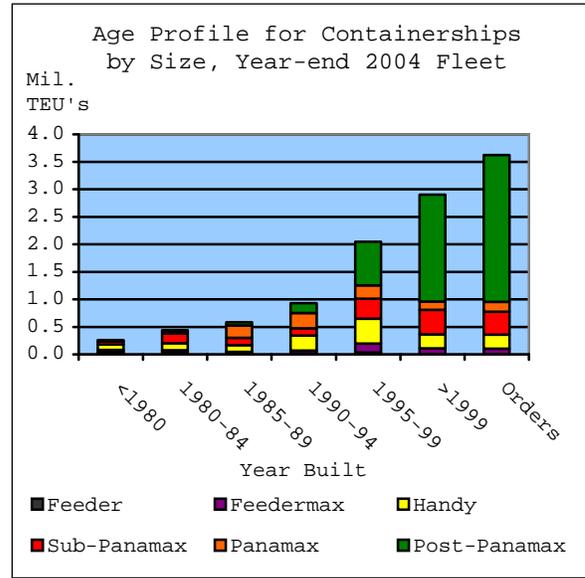


Exhibit 4

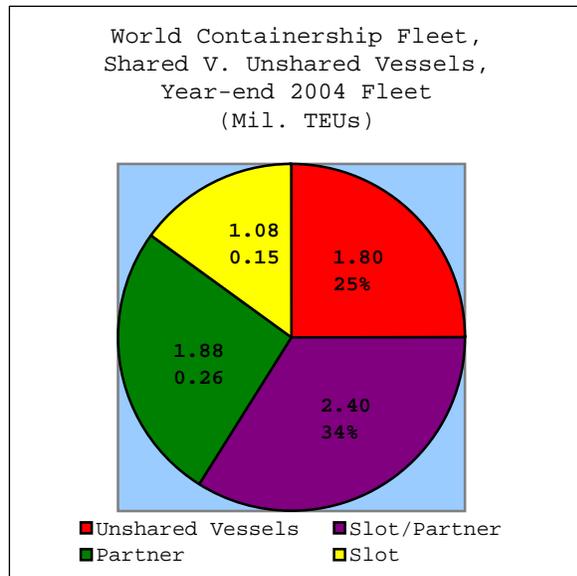


Exhibit 5

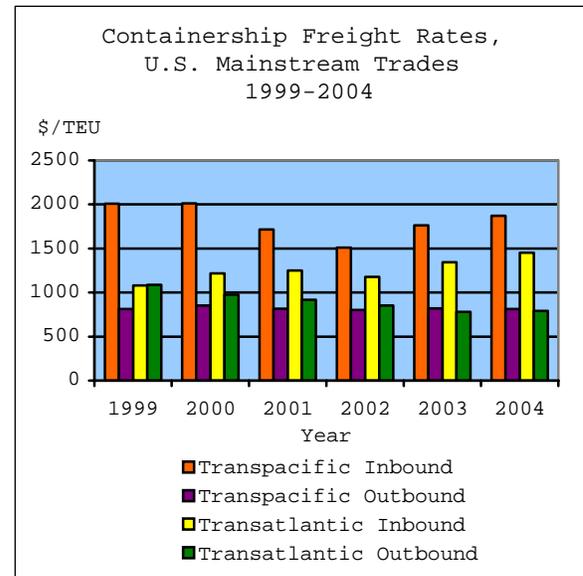


Exhibit 6

U.S. Container Trade by Region, 1999-2004

(Mil. TEU's)

Foreign Region	1999	2000	2001	2002	2003	2004
Europe & Med.	3.72	3.88	3.91	4.06	4.08	4.25
Imports	2.20	2.38	2.40	2.55	2.49	2.57
Exports	1.52	1.50	1.51	1.51	1.59	1.69
Asia	9.04	10.12	10.29	11.62	12.61	14.31
Imports	5.99	6.82	6.96	8.25	8.90	10.35
Exports	3.05	3.30	3.34	3.37	3.71	3.96
Other	3.80	3.94	3.92	4.05	4.60	5.29
Imports	1.77	1.89	1.91	2.12	2.51	2.89
Exports	2.03	2.05	2.00	1.93	2.09	2.39
Total	16.56	17.94	18.12	19.73	21.29	23.85
Imports	9.96	11.09	11.27	12.92	13.90	15.81
Exports	6.60	6.85	6.85	6.81	7.39	8.04

Source: Journal of Commerce, PIERS.

Exhibit 7

U.S. Container Trade, Principal U.S. Ports, 1999 to 2004

(TEU's)

	1999	2000	2001	2002	2003	2004	% Ch. 99-04
LA/Long Beach	5,599,524	6,431,297	6,623,528	7,243,179	7,754,611	8,638,986	54.3
New York	2,027,188	2,200,343	2,355,133	2,626,903	2,802,683	3,163,182	56.0
Charleston	1,169,552	1,246,181	1,158,751	1,197,398	1,248,078	1,421,047	21.5
Virginia Ports	908,902	924,187	930,424	1,038,989	1,172,761	1,302,122	43.2
Savannah	624,497	720,231	812,984	1,013,893	1,124,409	1,290,178	106.6
San Fran. Bay Ports	943,977	1,025,240	986,327	995,469	1,079,239	1,221,111	29.4
Houston	713,677	733,134	783,316	850,663	932,883	1,097,769	53.8
Seattle	961,847	959,883	824,392	849,855	814,742	1,049,105	9.1
Tacoma	581,162	647,017	611,893	768,770	931,289	940,638	61.9
Miami	618,436	683,504	717,100	751,986	763,930	940,638	52.1
Top Ten Total	14,148,763	15,571,018	15,803,848	17,337,104	18,624,623	21,064,776	48.9
Total	16,563,789	17,937,670	18,116,582	19,729,422	21,288,545	23,850,523	44.0

Source: Journal of Commerce, PIERS.

Exhibit 8

World Containership Fleet by Size, 2001-2004

(Mil. TEU's)

Vessel Size*	2001		2002		2003		2004		Orders	
	No.	TEU's	No.	TEU's	No.	TEU's	No.	TEU's	No.	TEU's
Feeder	460	0.14	452	0.14	447	0.14	446	0.14	3	0.00
Feedermax	539	0.38	554	0.39	587	0.42	623	0.44	124	0.10
Handy	879	1.24	897	1.27	915	1.29	934	1.32	185	0.26
Sub-Panamax	437	1.08	465	1.15	498	1.23	529	1.31	158	0.42
Panamax	249	0.86	259	0.89	277	0.95	282	0.97	54	0.18
Post-Panamax	331	1.69	411	2.12	478	2.50	561	2.98	426	2.67
Total	2,895	5.39	3,038	5.96	3,202	6.53	3,375	7.16	950	3.63

Source: Clarkson Research Studies, Clarkson Register.

Exhibit 9

Age Profile for Containerships by Size, Year-End 2004							
(Mil. TEU's)							
Vessel Size*	<1980	1980-84	1985-89	1990-94	1995-99	>1999	Orders
Feeder	0.040	0.025	0.014	0.018	0.037	0.004	0.000
Feedermax	0.040	0.049	0.034	0.053	0.158	0.109	0.101
Handy	0.097	0.130	0.118	0.271	0.452	0.252	0.257
Sub-panamax	0.057	0.179	0.134	0.134	0.362	0.446	0.418
Panamax	0.025	0.044	0.226	0.276	0.243	0.151	0.179
Post-panamax	0.000	0.014	0.058	0.177	0.792	1.941	2.670
Total	0.259	0.441	0.584	0.929	2.044	2.903	3.625

Source: Clarkson Research Studies, Clarkson Register.

Exhibit 10

Containership Calls at U.S. Ports, Calls, Capacity and Average DWT/TEU Per Call, 1999-2004							
(TEU's)							
	1999	2000	2001	2002	2003	2004	% Ch. 99-04
Calls	16,625	17,410	17,076	17,138	17,287	18,279	9.9
Capacity, Mil. DWT	608	658	677	722	746	797	31.1
Capacity, Mil. TEU	42	46	48	52	54	59	38.9
Avg. DWT Per Call	36,586	37,784	39,656	42,158	43,168	43,610	19.2
Avg. TEU Per Call	2,550	2,652	2,801	3,020	3,144	3,221	26.3

Source: Maritime Administration, Vessel Calls at U.S. Ports, 2004.

Exhibit 11

Containership Freight Rates, U.S. Mainstream Trades, 1999-2004							
(\$/TEU)							
	1999	2000	2001	2002	2003	2004	% Ch. 99-04
Transpacific Inbound	2,007	2,013	1,717	1,511	1,763	1,872	-6.7
Transpacific Outbound	814	852	817	801	819	812	-0.2
Transatlantic Inbound	1,082	1,216	1,251	1,178	1,345	1,451	34.1
Transatlantic Outbound	1,087	977	918	853	780	792	-27.1

Source: Containerization International.

Exhibit 12