# WATERBORNE TRANSPORTATION LINES OF THE UNITED STATES

Calendar Year 2008

Volume 1 –
National Summaries

Compiled under the supervision of
the Institute for Water Resources
U.S. Army Corps of Engineers
Alexandria, Virginia

# Contents

# Introduction

The annual revision of the *Waterborne Transportation Lines of the United States* (**WTLUS**) contains summary information of the vessel companies and their American flag vessels operating or available for operation on 31 December 2008 including updates through 16 November 2009 in the transportation of freight and passengers. Ferry[1] operators and their ferry characteristics are included. Floating equipment used in construction work, such as dredges, piledrivers, and flats; fishing vessels; and recreational craft are not included. The **WTLUS** is prepared under authority contained in the Rivers and Harbors Appropriations Act approved 22 September 1922, (42 Stat. 1043), as amended, and codified in 33 U.S.C. 555.

The **National Summaries, Volume 1**, is one of three publications for the annual revision of the **WTLUS**, which provides a condensation of the vessel data detailed in the **WTLUS**. Summarized vessel characteristics are represented in both tabular and graphic format.

The **Vessel Company Summary, Volume 2**, provides a summary of the vessel companies detailed in the **WTLUS, Vessel Characteristics, Volume 3**. The names of the vessel companies are listed alphabetically with their business address and telephone number, the Engineer District number, the TSOperator (vessel company) number (for usage in querying computer data), principal commodities carried, the points or localities and waterways between which or on which operated and the number of vessels reported by vessel type.

The **Vessel Characteristics, Volume 3**, lists the vessel companies in alphabetical sequence and describes each vessel surveyed by indicating its name and number, Coast Guard number, net tonnage, type by VTCC code (Vessel Type, Construction and Characteristics) and ICST code (International Classification of Ships by Type; see Terminology for VTCC and ICST), register and overall length and breadth, loaded and light draft, horsepower, carrying capacity in short tons or units of cargo and number of passengers, height of fixed superstructures, cargo handling equipment, operating headquarters, and year built or rebuilt. Detail vessel characteristics may not be available for all vessels included in the total **WTLUS** vessel inventory.

The detail vessel data is available on-line through the Navigation Data Center website at www.iwr.usace.army.mil/ndc/veslchar/veslchar.htm Ordering information is available from the Waterborne Commerce Statistics Center, P.O. Box 61280, New Orleans, LA 70161-1280. (Telephone 504/862-1426, 504/862-1427, or FAX 504/862-1423).

The **WTLUS** publication is a by-product of the Waterborne Commerce Statistics Center (WCSC) Master Vessel File. The annual survey would be done even if there were no **WTLUS** publication because the survey is a necessary and integral part of the WCSC enforcement and collection program. Tracking vessel owners and operators is the primary means of identifying non-reporting carriers and new vessel operating companies.

1. A ferry is a vessel that conveys passengers and/or vehicles (driven on and off the vessel) across a narrow body of water (river, strait, inlet, etc.).

# Terminology

**TSOperator:** (Vessel Company) a Transportation Lines vessel company surveyed and assigned a seven digit code by the Waterborne Commerce Statistics Center (WCSC). The vessel inventory for each TSOperator is reported annually to WCSC and is contained in the Master Vessel File. The first two digits of the TSOperator code denotes the Engineer Division / District code with the last five digits forming a unique number assigned to a particular TSOperator. There are 2,778 TSOperators listed in the WTLUS publication for calendar year 2008.

**Engineer Division / District:** (ENGR DIST) WCSC two digit code for the U.S. Army Corps of Engineer Division / District. Its usage in the TSOperator code is to identify where the vessel company is domiciled.

| | | |
|---|---|---|
| 01 New England | 20 Huntington, WV | 35 Kansas City, MO |
| 03 New York, NY | 21 Pittsburgh, PA | 36 Seattle, WA |
| 07 Philadelphia, PA | 22 Buffalo, NY | 37 Portland, OR |
| 08 San Juan, PR | 23 Detroit, MI | 38 Alaska |
| 09 Baltimore, MD | 26 Chicago, IL | 39 San Francisco, CA |
| 11 Norfolk, VA | 27 St. Paul, MN | 40 Sacramento, CA |
| 12 Wilmington, NC | 28 Rock Island, IL | 41 Los Angeles, CA |
| 13 Charleston, SC | 29 St. Louis, MO | 42 Honolulu, HI |
| 14 Savannah, GA | 30 Memphis, TN | 43 Omaha, NE |
| 15 Jacksonville, FL | 31 Vicksburg, MS | 44 Walla Walla, WA |
| 16 Mobile, AL | 32 New Orleans, LA | 45 Tulsa, OK |
| 17 Nashville, TN | 33 Galveston, Tx | 46 Fort Worth, TX |
| 18 Louisville, KY | 34 Little Rock, AR | 47 Albuquerque, NM |

**Coast Guard Number:** the official number assigned to a particular vessel by the U.S. Coast Guard at the time of registration. This number is normally retained by a vessel throughout the life of the vessel.

**Net Tonnage:** the volume of space available for the accommodation of passengers and the stowage of cargo, expressed in units of 100 cubic feet for each net ton. The net tonnage is recorded on the vessel's registration papers or it can be determined as the difference between gross tonnage and the volume of space used for the accommodation of the vessel master, officers, crew, navigation and propelling machinery expressed in units of 100 cubic feet per ton. The net tonnage should not be confused with a tonnage capacity because it simply expresses a volume capacity for passengers and cargo. Depending on the type of cargo being transported the tonnage that can be stowed in the volume of 100 cubic feet will vary, although generally speaking, the total tonnage capacity should not exceed three times the net tonnage of the vessel.

**VTCC Code:** Vessel Type, Construction and Characteristics code, which describes in general terms the vessel type, construction and characteristics of the marine structure; e.g. 2A22 represents the code for a self-propelled, liquid bulk tanker constructed of steel. See the "Explanation of Vessel Type, Construction and Characteristics" listing for descriptions of the VTCC codes on page vi.

**ICST Code:** International Classification of Ships by Type was developed by an ad hoc international advisory group on Maritime Statistics and completed in 1994. The classification is based on the construction characteristics of the marine structure and not upon its particular use or cargo carried at a point in time. The ICST codes and descriptions and the cross reference list between the VTCC and ICST codes are provided on pages v and vii, respectively.

**Length**

**Register:** (LENGTH REG.) the length of the vessel measured on the top of the tonnage deck from the forepart of the outer planking or plating at the bow to the afterpart of the sternpost of screw steamers and to the afterpart of the rudder post of other vessels. The register length is reported in units of feet to the nearest tenth.

**Overall:** the extreme length of the vessel which would include any structure which extends beyond the outer planking or plating on the bow or any structure that extends beyond the sternpost on screw steamers and to the afterpart of the rudder post of other vessels. The overall length is reported in units of feet to the nearest tenth.

**Breadth**

**Register:** (BRDTH REG.) the breadth of the vessel at its widest part measured from the outerside of the planking or plating on one side to the corresponding point on the opposite side, reported in units of feet to the nearest tenth.

**Overall:** the extreme breadth or maximum breadth of the vessel to the outside of the vessel's structure, reported in units of feet to the nearest tenth. Includes the paddle boxes in paddle ships.

**Draft**

**Loaded:** the draft of the vessel when fully loaded, reported in units of feet to the nearest tenth.

**Light:** the draft of the vessel when it is empty, reported in units of feet to the nearest tenth.

**Horsepower:** horsepower rating when the vessel was new or when the present engine was installed.

**Capacity Tons:** (cargo capacity) the full load capacity of the vessel in short tons (2,000 lbs.).

**Passengers:** the passenger capacity of the vessel in units.

**Capacity Reference:** designates a type of cargo carried by that particular vessel as defined:

| Character | Type of Cargo |
|---|---|
| Blank | General Bulk Cargo |
| + | Railroad Cars |
| # | Autos, Vehicles, Trailers |
| % | Cargo Capacity Railroad Cars |
| @ | Vans |
| & | Container |

**Highest Fixed Point:** the height of the highest fixed point on the vessel in units of feet to the nearest tenth. The height represents the distance between the waterline of the vessel (when light) and the highest fixed point on the vessel, such as a pilot house, mast, etc. If the highest point of a vessel is a hinged stack or retractable pilot house, the distance is given to the hinge or top of pilot house in lowered position.

**Cargo Handling Equipment:** permanent fixtures on the vessel, such as cranes, derricks, hoists, pumps, etc. and handling capacity and type of power used to operate the equipment, such as steam, electric, diesel, etc. LINE-1 and LINE-2 break up the descriptive data to print in a two line format.

**State Code:** the U.S. Postal code for state abbreviation for the operating headquarters of the vessel.

**Vessel Operating Base:** the city or locality of the operating headquarters of the vessel. LINE-1 and LINE-2 break up the descriptive data to print in a two line format.

**Year Built:** the calendar year the vessel was built or rebuilt.

**Rebuilt:** An asterisk specifies that the year given will be the year the vessel was rebuilt rather than the year built. Rebuilt status is a vessel modification or significant improvement that extends the working life of the vessel. This status is left to the discretion of the vessel company surveyed.

## Vessel Category Cross Reference List

| Vessel Categories | VTCC Characteristics Code | ICST Code |
|---|---|---|
| **Self-Propelled** | | |
| Dry Bulk Carrier | 06 | 229 |
| Containership | 07 | 310 |
| General Cargo Carrier | 03, 04, 05, 08, 09 and 12 | 333, 334, 335 and 336 |
| Specialized Carrier | 10, 13, 14 and 15 | 321, 325 and 329 |
| Tanker | 20, 21, 22, 23 and 24 | 114, 120, 139 and 199 |
| Pushboat | 35 | 432 |
| Tugboat | 36 | 431 |
| Passenger | 11 and 16 | 351 and 359 |
| Offshore Support Vessel | 02 | 422 |
| **Non-Self-Propelled** | | |
| Dry Covered Barge | 41 and 48 | 345 |
| Dry Open Barge | 40 and 47 | 344 |
| Deck Barge | 43 | 341 |
| Lash / Seabee Barge | 52 | 343 |
| Other Dry Barge | 42, 44, 49, 50, 90, and 99 | 349 |
| Single Hull Tank Barge | 70 | 141 |
| Double Hull Tank Barge | 71 | 142 |
| Other Tank Barge | 72, 73 and 74 | 143, 144 and 149 |

## Explanation of the International Classification of Ships by Type (ICST Codes)

114 Liquid Oil Tanker (Oil / Chemical)
120 Liquid Chemical Tanker
139 Liquid Gas Carrier (Other)
141 Liquid Tank Barge (Single Hull)
142 Liquid Tank Barge (Double Hull)
143 Liquid Tank Barge (Double Sided Only)
144 Liquid Tank Barge (Double Bottom Only)
149 Liquid Tank Barge (Other)
199 Liquid Other Tanker
229 Dry Bulk (Other) Carrier
310 Containership (Specialized)
321 Barge Carrier (Specialized)
325 Vehicle Carrier (Specialized)
329 Other Carriers (Specialized)
333 General Cargo RO-RO / Container
334 Other RO-RO Cargo (General Cargo)
335 General Cargo / Passenger
336 General Cargo / Container
341 Dry Cargo Deck Barge
343 Dry Cargo Lash / Seabee Barge
344 Open Dry Cargo Barge
345 Dry Cargo Covered Barge
349 Dry Cargo Other Barge
351 Passenger (Cruise)
359 Passenger (Other)
422 Offshore Support Vessel
431 Tugboat
432 Pushboat

## Explanation of Vessel Type, Construction and Characteristics (VTCC Code)

**Construction:**

- A Steel
- B Wood
- C Aluminum
- D Fiberglass
- E Other
- F Unknown

**Type: 1 Self-Propelled, Dry Cargo**

**Characteristics:**

- 02 Crewboat / Supply / Utility Vessel
- 03 General Cargo Freighter
- 04 Break Bulk / RO-RO Carrier
- 05 RO-RO Vessel
- 06 Bulk Carrier
- 07 Containership
- 08 Partial Containership
- 09 Container / Vehicle / Trailer (RO-RO) Carrier
- 10 Vehicle Carrier
- 11 Passenger Carrier
- 12 Combination Passenger and Cargo
- 13 Ferry
- 14 Railroad Car Ferry
- 15 Lash Vessel
- 16 Excursion / Sightseeing Vessel

**Type: 2 Self-Propelled, Tanker**

**Characteristics:**

- 20 Petroleum / Chemical Carrier
- 21 Chemical Carrier
- 22 Liquid Bulk Tanker
- 23 Liquid Gas Carrier
- 24 Other Tanker

**Type: 3 Towboat**

**Characteristics:**

- 35 Pushboat
- 36 Tugboat

**Type: 4 Non-Self-Propelled, Dry Cargo**

**Characteristics:**

- 40 Open Hopper Barge
- 41 Covered Hopper Barge
- 42 Carfloat (Railroad Car Barge)
- 43 Flat / Deck Barge
- 44 Pontoon Barge
- 47 Open Dry Cargo Barge
- 48 Covered Dry Cargo Barge
- 49 RO-RO Barge
- 50 Container Barge
- 52 Lash / Seabee Barge
- 90 Convertible Barge
- 99 Other

**Type: 5 Non-Self-Propelled, Tanker**

**Characteristics:**

- 70 Liquid Cargo Barge (Single Hull)
- 71 Liquid Cargo Barge (Double Hull)
- 72 Liquid Cargo Barge (Double Sided Only)
- 73 Liquid Cargo Barge (Double Bottom Only)
- 74 Other Liquid Cargo Barge, Not Elsewhere Included

**Type: 6 Other**

**Characteristics:**

- 01 Undefined

## Vessel Category Cross Reference List

| International Classification of Ships by Type (ICST) | | Vessel Type, Construction and Characteristics (VTCC) |
|---|---|---|
| 114 | Liquid Oil Tanker (Oil / Chemical) | 20 Petroleum / Chemical Carrier |
| 120 | Liquid Chemical Tanker | 21 Chemical Carrier |
| 139 | Liquid Gas Carrier (Other) | 23 Liquid Gas Carrier |
| 141 | Liquid Tank Barge (Single Hull) | 70 Liquid Cargo Barge (Single Hull) |
| 142 | Liquid Tank Barge (Double Hull) | 71 Liquid Cargo Barge (Double Hull) |
| 143 | Liquid Tank Barge (Double Sided Only) | 72 Liquid Cargo Barge (Double Sided Only) |
| 144 | Liquid Tank Barge (Double Bottom Only) | 73 Liquid Cargo Barge (Double Bottom Only) |
| 149 | Liquid Tank Barge (Other) | 74 Liquid Cargo Barge, Not Elsewhere Included |
| 199 | Liquid Other Tanker | 22 Liquid Bulk Tanker |
| | | 24 Other Tanker |
| 229 | Dry Bulk (Other) Carrier | 06 Bulk Carrier |
| 310 | Containership (Specialized) | 07 Containership |
| 321 | Barge Carrier (Specialized) | 15 Lash Vessel |
| 325 | Vehicle Carrier (Specialized) | 10 Vehicle Carrier |
| 329 | Other Carriers (Specialized) | 13 Ferry |
| | | 14 Railroad Car Ferry |
| 333 | General Cargo RO-RO / Container | 09 Container / Vehicle / Trailer (RO-RO) Carrier |
| 334 | Other RO-RO Cargo (General Cargo) | 04 Break Bulk / RO-RO Carrier |
| | | 05 RO-RO Vessel |
| 335 | General Cargo / Passenger | 03 General Cargo Freighter |
| | | 12 Combination Passenger and Cargo |
| 336 | General Cargo / Container | 08 Partial Containership |
| 341 | Dry Cargo Deck Barge | 43 Flat / Deck Barge |
| 343 | Dry Cargo Lash / Seabee Barge | 52 Lash / Seabee Barge |
| 344 | Open Dry Cargo Barge | 40 Open Hopper Barge |
| | | 47 Open Dry Cargo Barge |
| 345 | Dry Cargo Covered Barge | 41 Covered Hopper Barge |
| | | 48 Covered Dry Cargo Barge |
| 349 | Dry Cargo Other Barge | 42 Carfloat (Railroad Car Barge) |
| | | 44 Pontoon Barge |
| | | 49 RO-RO Barge |
| | | 50 Container Barge |
| | | 90 Convertible Barge |
| | | 99 Other |
| 351 | Passenger (Cruise) | 11 Passenger Carrier |
| 359 | Passenger (Other) | 16 Excursion / Sightseeing Vessel |
| 422 | Offshore Support Vessel | 02 Crewboat / Supply / Utility Vessel |
| 431 | Tugboat | 36 Tugboat |
| 432 | Pushboat | 35 Pushboat |

## Selected Inland Commercial Vessels

These vessels are commonly used in the transport of commodities on the inland waterway system. This is not intended to be a complete description of all merchant vessels using the inland waterway system.

**Self-Propelled**

**Tugboat:** Self-propelled vessel with a V - shaped bow designed for the towing (and pushing) of ships or other floating structures such as barges in ports/harbors.

**Towboat/Push Boat:** Self-propelled vessel designed to tow/push barges and pontoons. The hull is usually rectangular in plan and has little freeboard. A pair of knees of ample strength and height engage barges of various depths to maneuver the tow.

**Non-Self-Propelled**

**Barge:** A category of vessel designed as non-self-propelled units for the carriage of cargo on the weather deck or in holds or in tanks. The units are towed/pushed by another ship (tug or pusher vessel).

**Dry Cargo Barge:** Non-self-propelled vessel, usually flat bottomed and rectangular in structure with cargo space below deck. The cargo space may be covered or uncovered. Usually used to transport bulk commodities on rivers and canals. The industry commonly refers to these barges as open/covered hopper barges[1].

**Deck Barge:** Non-self-propelled vessel, usually flat bottomed and rectangular in structure, having an intact deck for the carriage of bulk materials. Commonly referred to as a scow, lighter or hoy.

**Lash/Seabee Barge:** A barge, usually flat-bottomed and rectangular in structure to be lightered aboard a mother ship.

**Tank Barge:** Non-self-propelled vessel constructed and arranged for the carriage of liquid cargoes in tanks integral to the hull or independent of the hull. Pumping arrangements may be provided on board or left to shore equipment. Typical cargoes would include petroleum and other liquids.

**Single Hull Tank Barge:** A tank barge with the sides and the bottom being single hull.

**Double Hull Tank Barge:** A tank barge with the sides and the bottom being double hull.

**Double Sided Tank Barge:** A tank barge with the sides being double hull and the bottom being single hull.

**Double Bottom Tank Barge:** A tank barge with the sides being single hull and the bottom being double hull.

1. Most companies responding to the Transportation Annual Survey do not classify vessels according to the textbook definition of a hopper barge, which describes a barge designed for the carriage of dredged material or other waste material in hoppers for subsequent discharge elsewhere through the bottom of the barge by means of doors/valves or by means of a split hull separation.

# Volume 1

# National Summaries

TABLE 1: SUMMARY OF THE UNITED STATES FLAG PASSENGER AND CARGO VESSELS OPERATING OR AVAILABLE FOR OPERATION ON DECEMBER 31, 2008 BY REGION

| Type of Vessels | Total 2008 | Atlantic, Gulf and Pacific Coasts | Mississippi River System and the Gulf Intracoastal Waterway | Great Lakes System |
|---|---|---|---|---|
| **Self-Propelled** | | | | |
| Dry Cargo and/or Passenger, Offshore Support | | | | |
| Number of Vessels | 2,985 | 1,458 | 1,355 | 172 |
| Horsepower | 8,850,827 | 6,291,628 | 2,087,283 | 471,916 |
| Cargo Capacity (short tons) | 7,155,143 | 4,980,021 | 344,893 | 1,830,229 |
| Number of Passengers (capacity) | 220,706 | 136,532 | 65,605 | 18,569 |
| Vehicular Ferries and Railroad Cars | | | | |
| Number of Vessels | 578 | 430 | 79 | 69 |
| Horsepower | 1,103,376 | 973,570 | 45,250 | 84,556 |
| Number of Passengers (capacity) | 187,690 | 160,237 | 13,632 | 13,821 |
| Tankers | | | | |
| Number of Vessels | 76 | 69 | 5 | 2 |
| Horsepower | 829,455 | 813,285 | 15,320 | 850 |
| Cargo Capacity (short tons) | 3,637,347 | 3,602,864 | 33,889 | 594 |
| Towboats | | | | |
| Number of Vessels | 5,424 | 1,836 | 3,464 | 124 |
| Horsepower | 10,553,388 | 4,185,362 | 6,195,637 | 172,389 |
| Total Self-Propelled | | | | |
| Number of Vessels | 9,063 | 3,793 | 4,903 | 367 |
| Horsepower | 21,337,046 | 12,263,845 | 8,343,490 | 729,711 |
| Cargo Capacity (short tons) | 10,792,490 | 8,582,885 | 378,782 | 1,830,823 |
| Number of Passengers (capacity) | 408,396 | 296,769 | 79,237 | 32,390 |
| **Non-Self-Propelled** | | | | |
| Barges, Dry Cargo | | | | |
| Number of Vessels | 26,652 | 3,384 | 23,105 | 163 |
| Cargo Capacity (short tons) | 44,055,603 | 7,195,911 | 36,501,379 | 358,313 |
| Number of Passengers (capacity) | 1,113 | 334 | 779 | 0 |
| Barges, Tanker | | | | |
| Number of Vessels | 4,560 | 651 | 3,899 | 10 |
| Cargo Capacity (short tons) | 14,078,442 | 4,579,368 | 9,470,632 | 28,442 |
| Railroad Car Floats | | | | |
| Number of Vessels | 26 | 23 | 2 | 1 |
| Cargo Capacity (short tons) | 83,613 | 80,536 | 3,077 | 0 |
| Total Non-Self-Propelled | | | | |
| Number of Vessels | 31,238 | 4,058 | 27,006 | 174 |
| Cargo Capacity (short tons) | 58,217,658 | 11,855,815 | 45,975,088 | 386,755 |
| Number of Passengers (capacity) | 1,113 | 334 | 779 | 0 |
| Grand Total Self and Non-Self-Propelled | | | | |
| Number of Vessels | 40,301 | 7,851 | 31,909 | 541 |
| Horsepower | 21,337,046 | 12,263,845 | 8,343,490 | 729,711 |
| Cargo Capacity (short tons) | 69,010,148 | 20,438,700 | 46,353,870 | 2,217,578 |
| Number of Passengers (capacity) | 409,509 | 297,103 | 80,016 | 32,390 |

Exclusive of fishing vessels, dredges, and derricks, etc., used in construction work.

FIGURE 1-1: SUMMARY OF THE UNITED STATES VESSEL INVENTORY
BY REGION FOR 2008

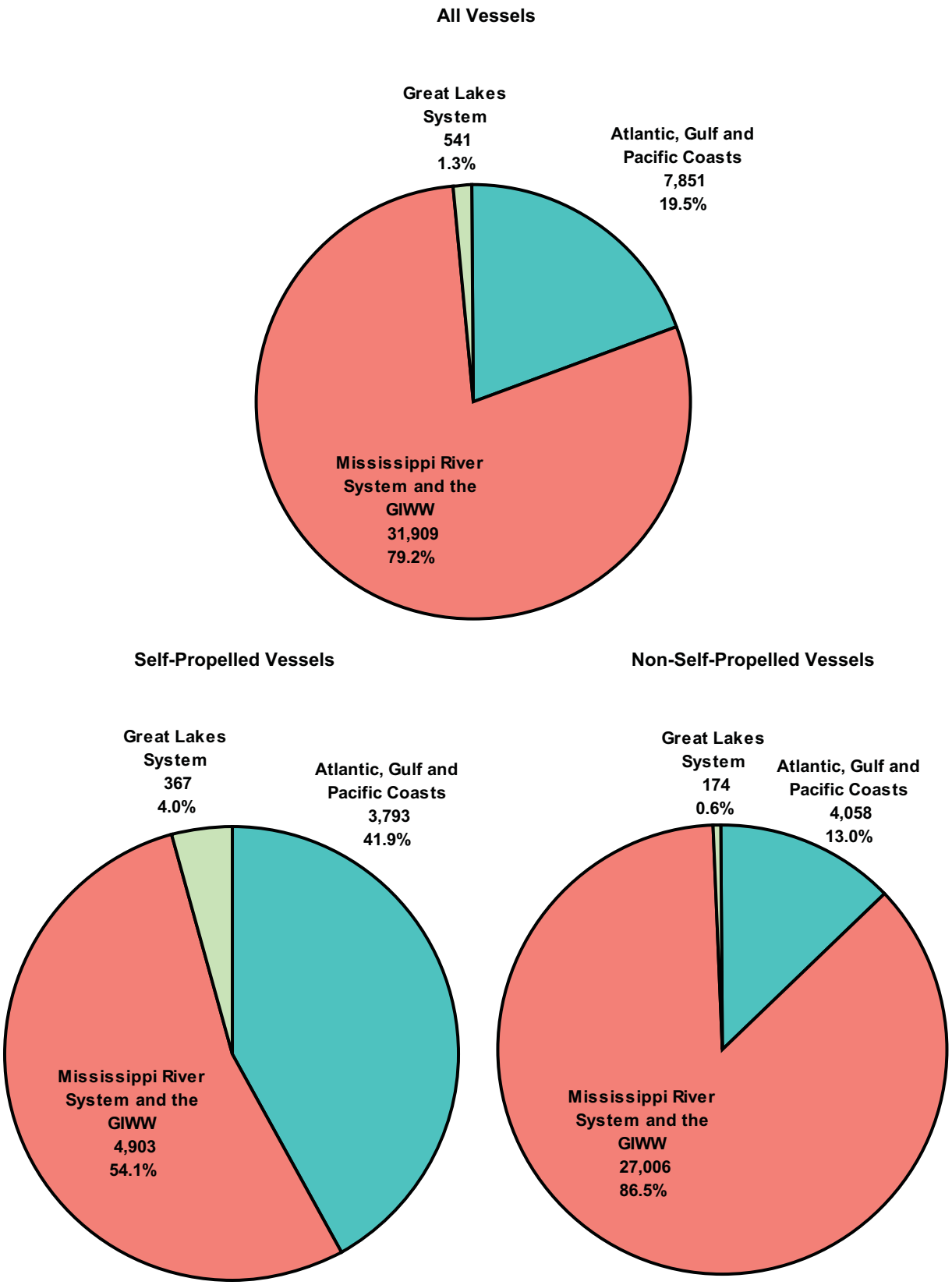


FIGURE 1-2: SUMMARY OF THE UNITED STATES VESSEL INVENTORY BY TYPE OF VESSEL FOR 2008

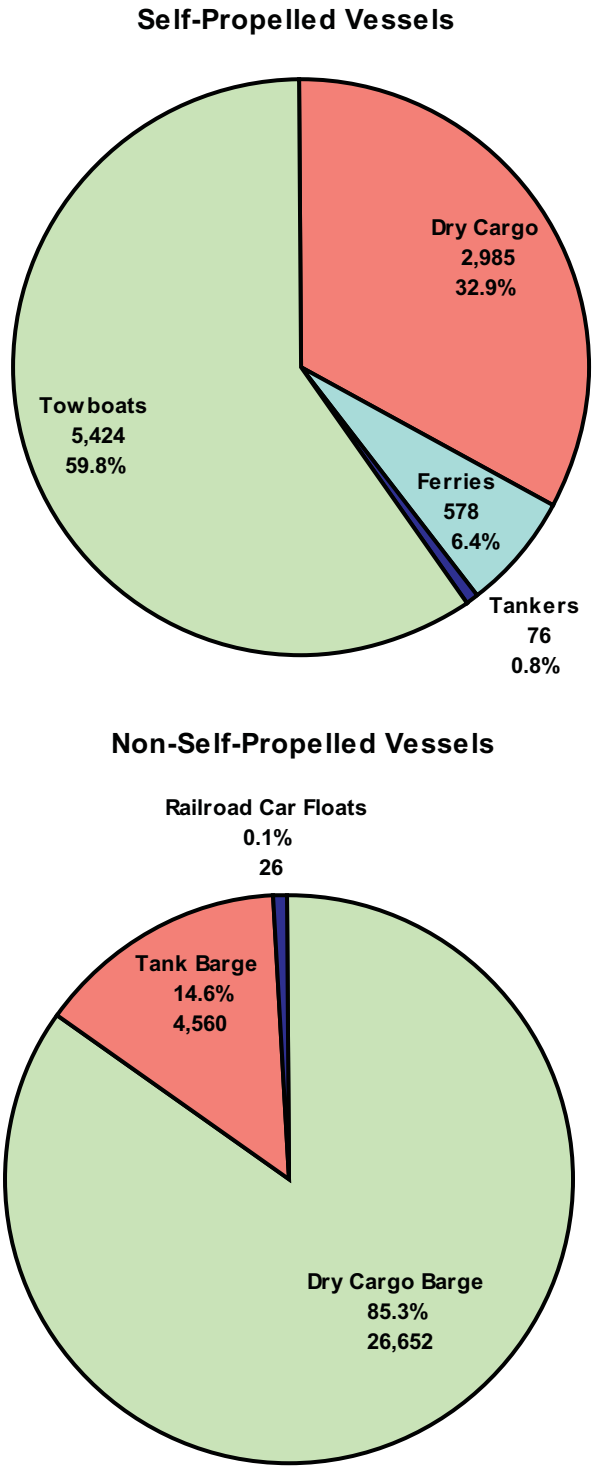


TABLE 2: SUMMARY OF THE UNITED STATES FLAG PASSENGER AND CARGO VESSELS[1] OPERATING OR AVAILABLE FOR OPERATION BY YEAR[2]

| Type of Vessels | 1990 | 1995 | 2000 | 2005 | 2007 | 2008 |
|---|---|---|---|---|---|---|
| **Self-Propelled** | | | | | | |
| Dry Cargo and/or Passenger, Offshore Support | | | | | | |
| Number of Vessels | 2,678 | 2,804 | 2,780 | 2,967 | 3,001 | 2,985 |
| Horsepower | 7,630,222 | 7,363,831 | 7,833,597 | 8,332,292 | 8,824,492 | 8,850,827 |
| Cargo Capacity (short tons) | 7,147,054 | 6,484,707 | 6,740,153 | 6,614,973 | 7,084,758 | 7,155,143 |
| Number of Passengers (capacity) | 215,204 | 275,353 | 264,635 | 246,710 | 237,683 | 220,706 |
| Vehicular Ferries and Railroad Cars | | | | | | |
| Number of Vessels | 135 | 172 | 292 | 619 | 604 | 578 |
| Horsepower | 303,350 | 369,282 | 619,130 | 1,262,997 | 1,136,745 | 1,103,376 |
| Number of Passengers (capicity) | 82,100 | 100,309 | 136,774 | 205,013 | 197,160 | 187,690 |
| Tankers | | | | | | |
| Number of Vessels | 213 | 178 | 135 | 100 | 80 | 76 |
| Horsepower | 2,820,207 | 2,219,297 | 1,697,399 | 1,201,359 | 850,594 | 829,455 |
| Cargo Capacity (short tons) | 12,681,957 | 9,298,692 | 6,718,366 | 5,727,512 | 3,492,278 | 3,637,347 |
| Towboats | | | | | | |
| Number of Vessels | 5,210 | 5,127 | 4,995 | 5,290 | 5,356 | 5,424 |
| Horsepower | 8,709,914 | 9,107,738 | 9,347,780 | 9,983,351 | 10,289,248 | 10,553,388 |
| Total Self-Propelled | | | | | | |
| Number of Vessels | 8,236 | 8,281 | 8,202 | 8,976 | 9,041 | 9,063 |
| Horsepower | 19,463,693 | 19,060,148 | 19,497,906 | 20,579,401 | 21,101,079 | 21,337,046 |
| Cargo Capacity (short tons) | 19,829,011 | 15,783,399 | 13,458,519 | 12,342,485 | 10,577,036 | 10,792,490 |
| Number of Passengers (capacity) | 297,304 | 375,662 | 401,409 | 451,723 | 434,843 | 408,396 |
| **Non-Self-Propelled** | | | | | | |
| Barges, Dry Cargo | | | | | | |
| Number of Vessels | 29,287 | 27,170 | 27,342 | 29,107 | 27,162 | 26,652 |
| Cargo Capacity (short tons) | 38,633,297 | 38,189,490 | 39,971,443 | 44,814,696 | 44,787,301 | 44,055,603 |
| Number of Passengers capacity) | 0 | 3,149 | 1,101 | 268 | 1,008 | 1,113 |
| Barges, Tanker | | | | | | |
| Number of Vessels | 4,252 | 4,003 | 3,985 | 4,011 | 4,467 | 4,560 |
| Cargo Capacity (short tons) | 10,842,430 | 10,757,295 | 11,169,087 | 11,678,593 | 13,644,803 | 14,078,442 |
| Railroad Car Floats | | | | | | |
| Number of Vessels | 58 | 36 | 33 | 34 | 25 | 26 |
| Cargo Capacity (short tons) | NA | 119,235 | 113,729 | 88,075 | 82,210 | 83,613 |
| Total Non-Self-Propelled | | | | | | |
| Number of Vessels | 33,597 | 31,209 | 31,360 | 33,152 | 31,654 | 31,238 |
| Cargo Capacity (short tons) | 49,475,727 | 49,066,020 | 51,254,259 | 56,581,364 | 58,514,314 | 58,217,658 |
| Number of Passengers (capacity) | NA | 3,149 | 1,101 | 268 | 1,008 | 1,113 |
| **Grand Total Self and Non-Self-Propelled** | | | | | | |
| Number of Vessels | 41,119 | 39,445 | 39,641 | 41,354 | 40,695 | 40,301 |
| Horsepower | 18,780,351 | 19,463,693 | 19,060,148 | 19,497,906 | 21,101,079 | 21,337,046 |
| Cargo Capacity (short tons) | 70,669,156 | 68,895,031 | 67,037,658 | 70,039,883 | 69,091,350 | 69,010,148 |
| Number of Passengers (capacity) | 153,347 | 300,453 | 376,763 | 401,677 | 435,851 | 409,509 |

1 Exclusive of fishing vessels, dredges, and derricks, etc., used in construction work.
2 Data not available (NA).

FIGURE 2: SUMMARY OF THE UNITED STATES VESSEL INVENTORY BY YEAR

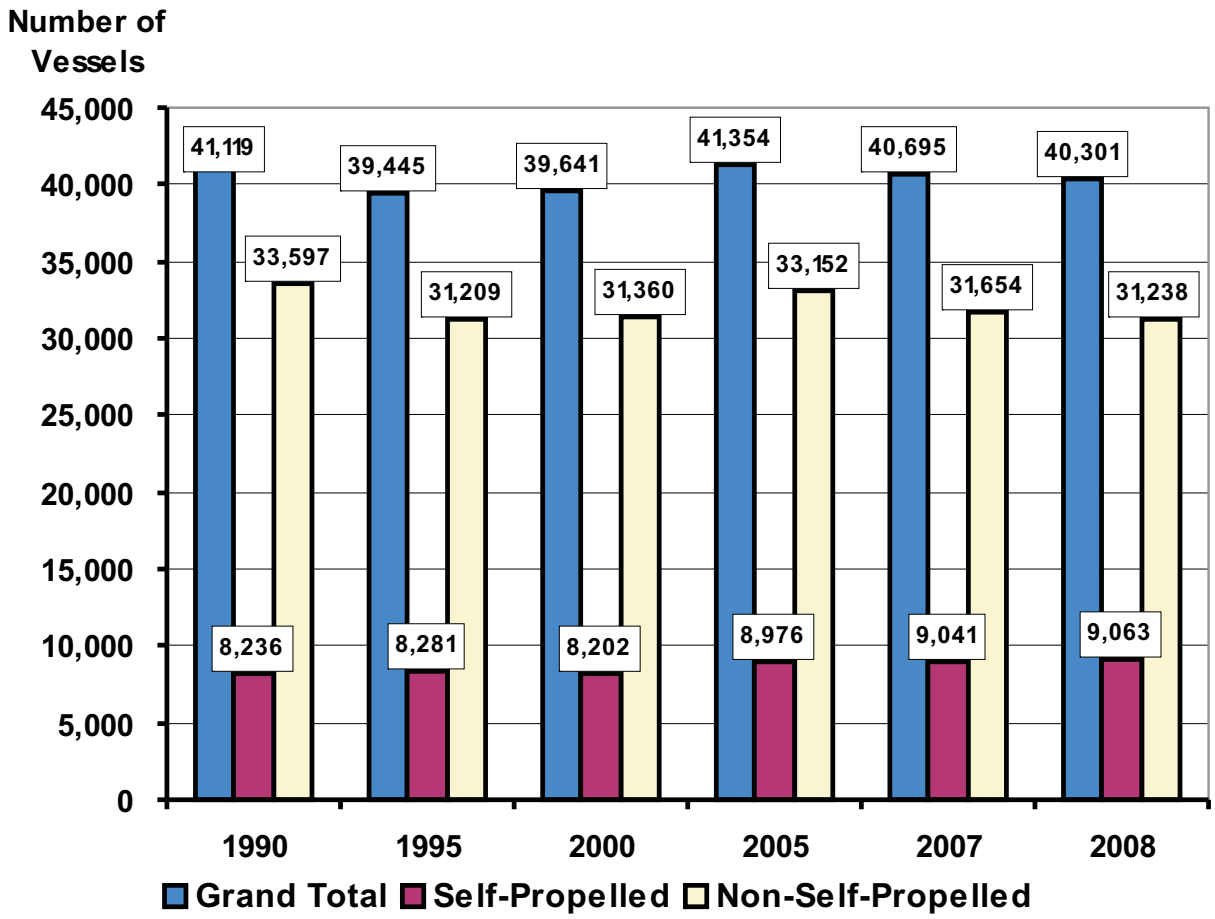


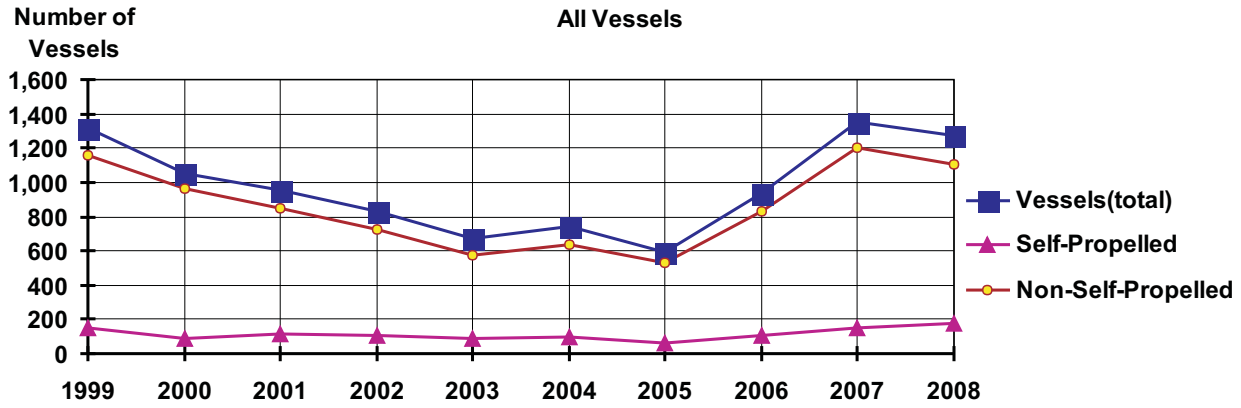
TABLE 3: SUMMARY OF THE UNITED STATES FLEET CONSTRUCTION[1]
BY VESSEL TYPE FOR YEARS 1999 - 2008

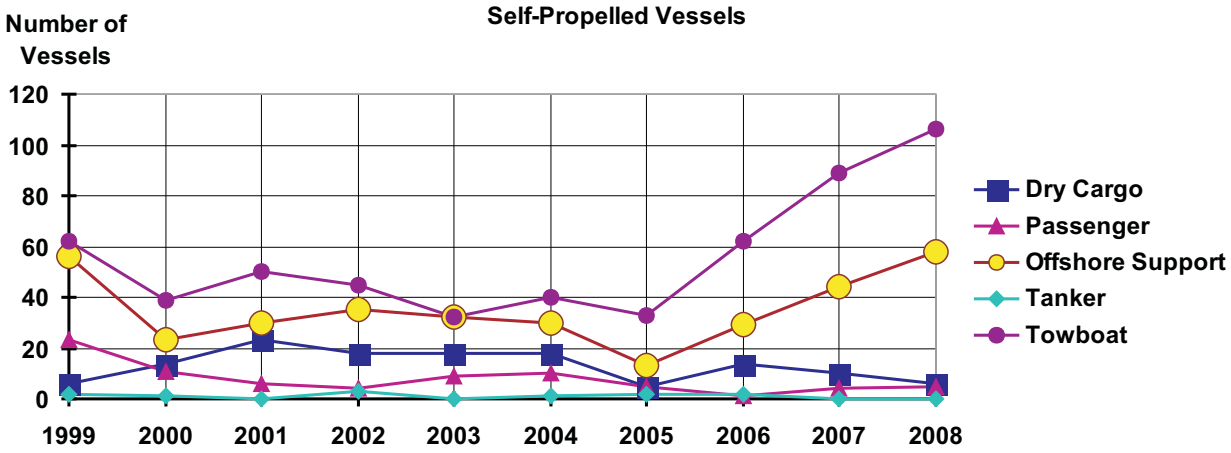
| Vessel Type | Total New Construction | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| **Vessels (total)[2]** | **1,300** | **1,034** | **929** | **802** | **648** | **712** | **582** | **921** | **1,330** | **1,256** |
| **Self-Propelled (total)** | **144** | **78** | **92** | **91** | **80** | **82** | **50** | **95** | **133** | **164** |
| Dry Cargo (total) | 3 | 11 | 19 | 15 | 16 | 14 | 5 | 12 | 7 | 4 |
| Dry Bulk | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Containership | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 6 | 3 | 0 |
| General Cargo | 1 | 2 | 0 | 0 | 2 | 4 | 1 | 0 | 1 | 1 |
| Specialized | 2 | 9 | 17 | 14 | 11 | 10 | 4 | 6 | 3 | 3 |
| Passenger | 23 | 10 | 5 | 4 | 8 | 10 | 4 | 1 | 4 | 5 |
| Offshore Support | 56 | 23 | 30 | 35 | 32 | 29 | 13 | 29 | 42 | 58 |
| Tanker | 2 | 1 | 0 | 3 | 0 | 1 | 2 | 2 | 0 | 0 |
| Towboat | 56 | 30 | 34 | 31 | 24 | 28 | 26 | 51 | 80 | 97 |
| **Non-Self-Propelled (total)** | **1,156** | **956** | **837** | **711** | **568** | **630** | **532** | **826** | **1,197** | **1,092** |
| Dry Barge (total) | 1,061 | 884 | 771 | 631 | 485 | 502 | 354 | 659 | 984 | 800 |
| Dry Covered | 678 | 407 | 474 | 279 | 93 | 231 | 81 | 111 | 334 | 425 |
| Dry Open | 232 | 209 | 174 | 237 | 235 | 242 | 259 | 411 | 247 | 139 |
| Lash/Seabee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deck | 151 | 266 | 121 | 114 | 155 | 28 | 14 | 135 | 403 | 235 |
| Other Dry[3] | 0 | 2 | 2 | 1 | 2 | 1 | 0 | 2 | 0 | 1 |
| Tank Barge (total) | 95 | 72 | 66 | 80 | 83 | 128 | 178 | 167 | 213 | 292 |
| Single Hull | 1 | 0 | 0 | 1 | 1 | 5 | 2 | 2 | 11 | 16 |
| Double Hull | 54 | 48 | 31 | 55 | 68 | 92 | 141 | 123 | 147 | 179 |
| Other Tank[4] | 40 | 24 | 35 | 24 | 14 | 31 | 35 | 42 | 55 | 97 |

| Vessel Type | Total Vessels Rebuilt | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| **Vessels (total)[2]** | **15** | **22** | **30** | **27** | **21** | **27** | **10** | **18** | **22** | **21** |
| **Self-Propelled (total)** | **9** | **13** | **21** | **17** | **11** | **17** | **8** | **13** | **14** | **11** |
| Dry Cargo (total) | 3 | 3 | 4 | 3 | 2 | 4 | 0 | 2 | 3 | 2 |
| Dry Bulk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Containership | 1 | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| General Cargo | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Specialized | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 3 | 1 |
| Passenger | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| Offshore Support | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 |
| Tanker | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Towboat | 6 | 9 | 16 | 14 | 8 | 12 | 7 | 11 | 9 | 9 |
| **Non-Self-Propelled (total)** | **6** | **9** | **9** | **10** | **10** | **10** | **2** | **5** | **8** | **10** |
| Dry Barge (total) | 6 | 9 | 0 | 4 | 7 | 6 | 1 | 5 | 3 | 7 |
| Dry Covered | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Dry Open | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 0 | 0 |
| Lash/Seabee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deck | 5 | 8 | 0 | 3 | 5 | 5 | 1 | 1 | 2 | 7 |
| Other Dry[3] | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Tank Barge (total) | 0 | 0 | 9 | 6 | 3 | 4 | 1 | 0 | 5 | 3 |
| Single Hull | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 |
| Double Hull | 0 | 0 | 8 | 6 | 3 | 4 | 0 | 0 | 2 | 2 |
| Other Tank[4] | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

1 The calendar year the vessel was built (new construction) or rebuilt. The rebuilt status is a vessel modification of significant improvement that extends the working life of the vessel, which is determined by the vessel company surveyed. Correction to calendar years 2003, 2004 and 2005.
2 Totals may be greater than sum because of unclassified vessels; includes vessels available for operation.
3 Includes dry cargo barges that may be open or covered, railroad car, pontoon, RO-RO, container, or convertible.
4 Includes tank barges that may be double sided only, double bottom only, or not elsewhere included.

FIGURE 3: SUMMARY OF THE UNITED STATES YEAR OF FLEET CONSTRUCTION
BY VESSEL TYPE FOR 1999 - 2008



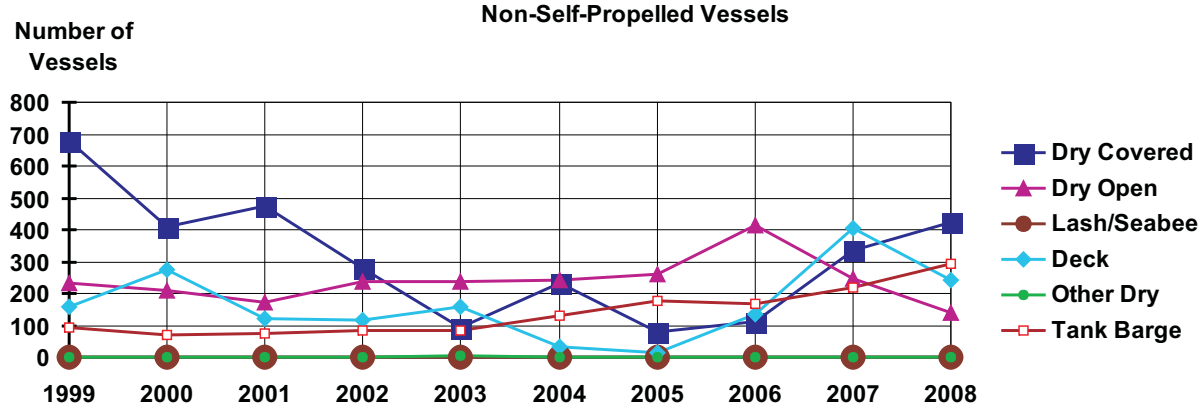



TABLE 4: SUMMARY OF THE UNITED STATES FLAG VESSELS
BY VESSEL TYPE AND AGE FOR 2008

| Vessel Type | Number[1] | Age[2] | | | | | |
|---|---|---|---|---|---|---|---|
| | | < = 5 | 6 - 10 | 11 - 15 | 16 - 20 | 21 - 25 | > 25 |
| **Vessels (total)** | **40,301** | **6,536** | **5,766** | **5,469** | **3,257** | **1,528** | **17,375** |
| **Self-Propelled (total)** | **9,045** | **915** | **834** | **534** | **474** | **530** | **5,742** |
| Dry Cargo (total) | 894 | 90 | 102 | 96 | 94 | 87 | 425 |
| Dry Bulk | 65 | 2 | 2 | 0 | 1 | 4 | 56 |
| Containership | 76 | 14 | 8 | 12 | 7 | 16 | 19 |
| General Cargo | 173 | 14 | 11 | 15 | 18 | 13 | 102 |
| Specialized | 580 | 60 | 81 | 69 | 68 | 54 | 248 |
| Passenger | 821 | 45 | 72 | 95 | 129 | 138 | 341 |
| Offshore Support | 1,830 | 295 | 292 | 123 | 93 | 88 | 936 |
| Tanker | 76 | 10 | 8 | 6 | 3 | 12 | 37 |
| Towboat | 5,424 | 475 | 360 | 214 | 155 | 205 | 4,003 |
| **Non-Self-Propelled (total)** | **31,238** | **5,621** | **4,929** | **4,933** | **2,783** | **998** | **11,620** |
| Dry Barge (total) | 26,678 | 4,494 | 4,435 | 4,543 | 2,524 | 935 | 9,395 |
| Dry Covered | 12,395 | 1,664 | 2,347 | 2,586 | 540 | 151 | 5,078 |
| Dry Open | 8,270 | 1,661 | 1,273 | 1,483 | 1,558 | 537 | 1,723 |
| Lash/Seabee | 5 | 0 | 0 | 0 | 1 | 0 | 4 |
| Deck | 5,841 | 1,158 | 792 | 455 | 417 | 232 | 2,516 |
| Other Dry[3] | 167 | 11 | 23 | 19 | 8 | 15 | 74 |
| Tank Barge (total) | 4,560 | 1,127 | 494 | 390 | 259 | 63 | 2,225 |
| Single Hull | 480 | 38 | 2 | 20 | 14 | 15 | 391 |
| Double Hull | 3,334 | 787 | 394 | 349 | 243 | 43 | 1,516 |
| Other Tank[4] | 746 | 302 | 98 | 21 | 2 | 5 | 318 |
| **Unknown** | **18** | **0** | **3** | **2** | **0** | **0** | **13** |

1 Total is greater than sum because of 370 vessels of unknown age; figures include vessels available for operation.
2 Age is based upon the year the vessel was built or rebuilt, using calendar year 2008 as the base year.
3 Includes dry cargo barges that may be open or covered, railroad car, pontoon, RO-RO, container, or convertible.
4 Includes tank barges that may be double sided only, double bottom only, or not elsewhere included.

FIGURE 4: SUMMARY OF THE UNITED STATES FLAG VESSELS
BY VESSEL TYPE AND AGE FOR 2008

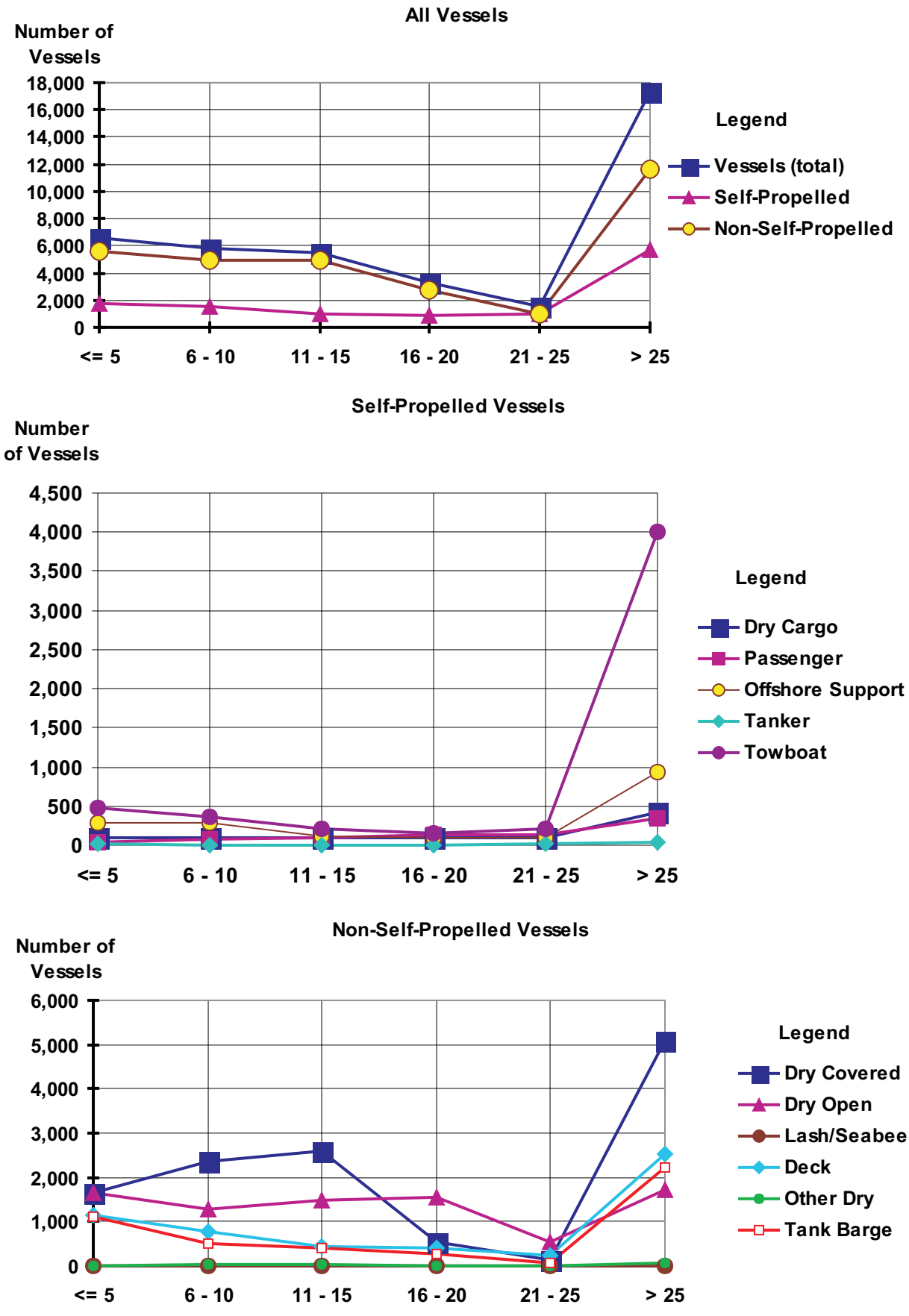


FIGURE 5: SUMMARY OF THE UNITED STATES TOWBOAT FLEET
BY HORSEPOWER FOR 2008

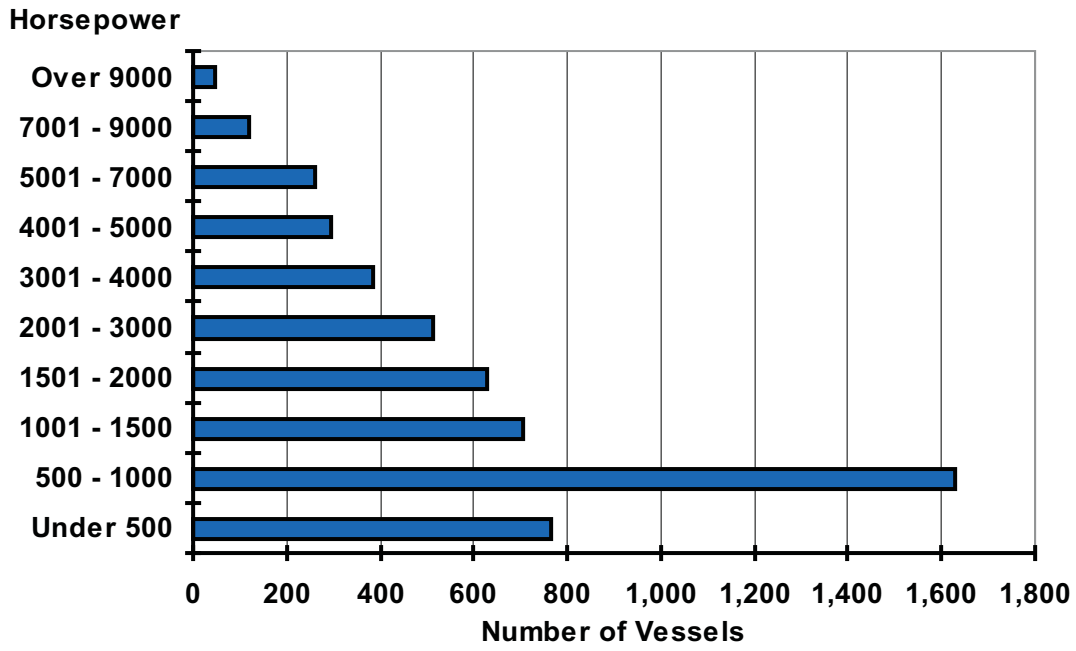



TABLE 5: SUMMARY OF THE UNITED STATES TOWBOAT FLEET
BY HORSEPOWER FOR 2008

| Vessel Type / Horsepower Class | Vessels Number[2] | % Total | Horsepower[1] Total | % Total | Average[3] | Average Age[4] |
|---|---|---|---|---|---|---|
| Under 500 | 765 | 14.10 | 247,911 | 2.35 | 324 | 39 |
| 500 - 1000 | 1,629 | 30.03 | 1,276,485 | 12.10 | 784 | 34 |
| 1001 - 1500 | 706 | 13.02 | 883,978 | 8.38 | 1,252 | 31 |
| 1501 - 2000 | 627 | 11.56 | 1,125,989 | 10.67 | 1,796 | 27 |
| 2001 - 3000 | 515 | 9.49 | 1,332,234 | 12.62 | 2,587 | 27 |
| 3001 - 4000 | 383 | 7.06 | 1,375,665 | 13.04 | 3,592 | 29 |
| 4001 - 5000 | 293 | 5.40 | 1,307,410 | 12.39 | 4,462 | 27 |
| 5001 - 7000 | 260 | 4.79 | 1,556,596 | 14.75 | 5,987 | 25 |
| 7001 - 9000 | 118 | 2.18 | 915,568 | 8.68 | 7,759 | 27 |
| Over 9000 | 49 | 0.90 | 531,552 | 5.04 | 10,848 | 20 |
| **Total Towboat Fleet** | **5,424** | **100.0** | **10,553,388** | **100.0** | **1,974** | **31** |

1 Horsepower rating is reported when the vessel was new or when the present engine was installed.
2 Total is greater than sum because of vessels with unknown horsepower.
3 Average is calculated from only those vessels with known horsepower and not the total number of vessels.
4 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.

FIGURE 6: SUMMARY OF THE UNITED STATES TANK BARGE FLEET
BY BARGE TYPE AND SIZE FOR 2008

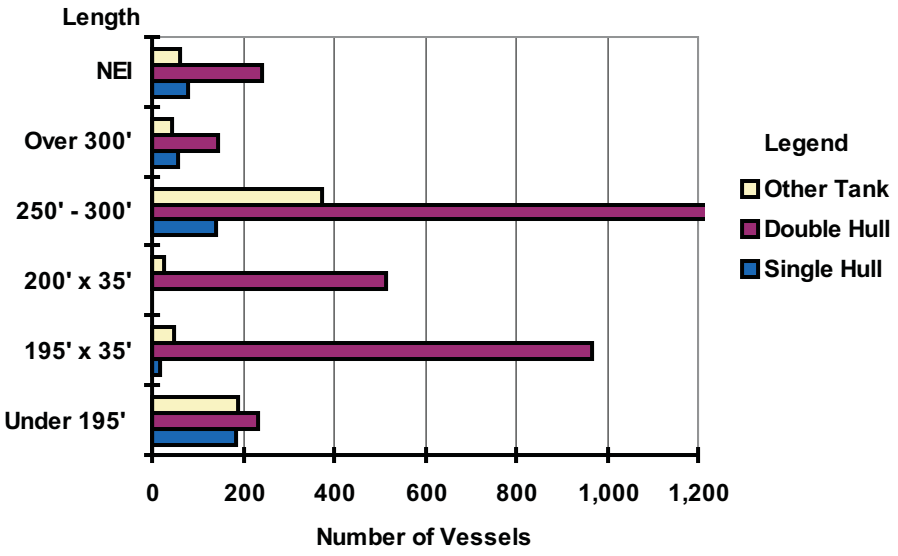



TABLE 6: SUMMARY OF THE UNITED STATES TANK BARGE FLEET
BY BARGE TYPE AND SIZE FOR 2008

| Barge Size[1] | Total Barges | | Cargo Capacity[2] | | | Average |
|---|---|---|---|---|---|---|
| | Number | % Total | Total | % Total | Average | Age[3] |
| **Barge Type: Single Hull** | | | | | | |
| Under 195' | 183 | 38.1 | 172,206 | 9.6 | 951 | 40 |
| 195' x 35' | 18 | 3.8 | 27,795 | 1.6 | 1,544 | 39 |
| 200' x 35' | 3 | 0.6 | * | * | * | 0 |
| 250' - 300' | 142 | 29.6 | 641,635 | 35.8 | 4,519 | 32 |
| Over 300' | 55 | 11.5 | 733,226 | 40.9 | 13,331 | 25 |
| NEI | 79 | 16.5 | 217,701 | 12.1 | 2,756 | 41 |
| **Total Single Hull** | **480** | **10.5** | **1,792,563** | **12.7** | **3,774** | **35** |
| **Barge Type: Double Hull** | | | | | | |
| Under 195' | 234 | 7.0 | 381,760 | 3.8 | 1,638 | 29 |
| 195' x 35' | 965 | 28.9 | 1,592,910 | 16.0 | 1,651 | 29 |
| 200' x 35' | 513 | 15.4 | 749,300 | 7.5 | 1,611 | 12 |
| 250' - 300' | 1,235 | 37.0 | 4,605,175 | 46.3 | 3,738 | 14 |
| Over 300' | 147 | 4.4 | 2,070,705 | 20.8 | 14,183 | 12 |
| NEI | 240 | 7.2 | 542,517 | 5.5 | 2,260 | 29 |
| **Total Double Hull** | **3,334** | **73.1** | **9,942,367** | **70.6** | **3,030** | **20** |
| **Barge Type: Other Tank[4]** | | | | | | |
| Under 195' | 188 | 25.2 | 206,505 | 8.8 | 1,116 | 30 |
| 195' x 35' | 48 | 6.4 | 67,842 | 2.9 | 1,413 | 20 |
| 200' x 35' | 28 | 3.8 | 46,055 | 2.0 | 1,645 | 2 |
| 250' - 300' | 374 | 50.1 | 1,402,654 | 59.9 | 3,760 | 13 |
| Over 300' | 46 | 6.2 | 463,873 | 19.8 | 10,084 | 16 |
| NEI | 62 | 8.3 | 156,583 | 6.7 | 2,610 | 28 |
| **Total Other Tank** | **746** | **16.4** | **2,343,512** | **16.6** | **3,167** | **19** |
| **Total Tank Barge Fleet** | **4,560** | **100.0** | **14,078,442** | **100.0** | **3,131** | **21** |

* Capacity Unknown
1 Size refers to the overall length and breadth of the vessel in feet rounded to the nearest foot. NEI (not elsewhere included) refers to the barges that do not fall within the dimensions stated.
2 Capacity specifies the full load capacity in short tons (2,000 lb). Average is calculated from only those vessels with known capacity and not the total number of vessels.
3 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.
4 Includes tank barges that are double sided only, double bottom only, or not elsewhere included.

FIGURE 7: SUMMARY OF THE UNITED STATES SHALLOW DRAFT[1] TANK BARGE FLEET BY BARGE TYPE AND SIZE FOR 2008

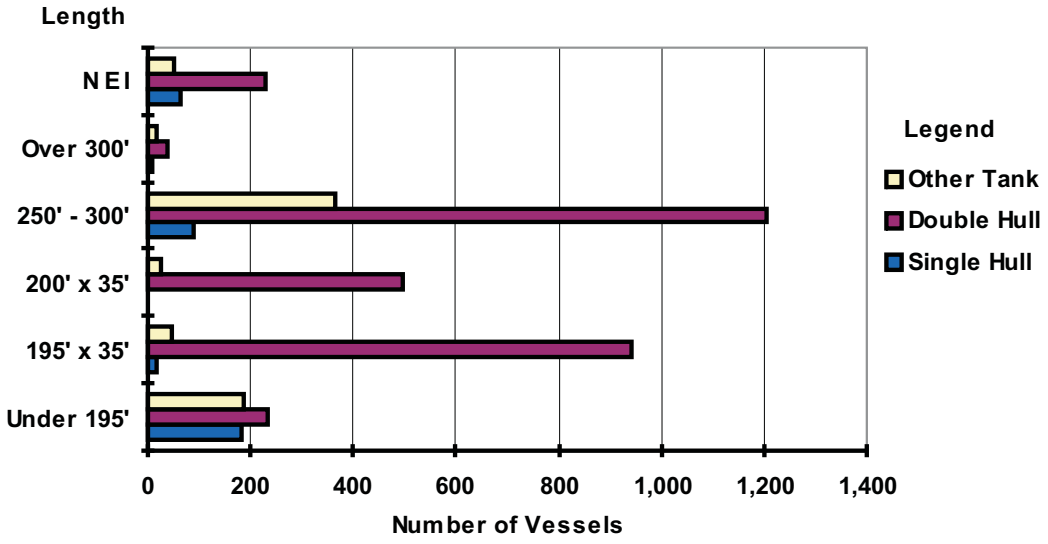



TABLE 7: SUMMARY OF THE UNITED STATES SHALLOW DRAFT[1] TANK BARGE FLEET BY BARGE TYPE AND SIZE FOR 2008

| Barge Size[2] | Total Barges | | Cargo Capacity[3] | | | Average |
|---|---|---|---|---|---|---|
| | Number | % Total | Total | % Total | Average | Age[4] |
| **Barge Type: Single Hull** | | | | | | |
| Under 195' | 181 | 50.7 | 167,879 | 24.2 | 938 | 40 |
| 195' x 35' | 15 | 4.2 | 22,395 | 3.2 | 1,493 | 47 |
| 200' x 35' | 3 | 0.8 | * | * | * | 0 |
| 250' - 300' | 88 | 24.6 | 309,011 | 44.5 | 3,511 | 33 |
| Over 300' | 7 | 2.0 | 36,478 | 5.3 | 5,211 | 12 |
| NEI | 63 | 17.6 | 158,782 | 22.9 | 2,520 | 42 |
| **Total Single Hull** | **357** | **8.5** | **694,545** | **6.8** | **1,973** | **38** |
| **Barge Type: Double Hull** | | | | | | |
| Under 195' | 233 | 7.4 | 372,715 | 4.8 | 1,607 | 29 |
| 195' x 35' | 943 | 30.0 | 1,543,512 | 19.9 | 1,637 | 30 |
| 200' x 35' | 498 | 15.8 | 717,113 | 9.2 | 1,594 | 12 |
| 250' - 300' | 1,203 | 38.2 | 4,429,474 | 57.1 | 3,691 | 14 |
| Over 300' | 40 | 1.3 | 179,285 | 2.3 | 4,482 | 18 |
| NEI | 231 | 7.3 | 511,626 | 6.6 | 2,215 | 30 |
| **Total Double Hull** | **3,148** | **75.0** | **7,753,725** | **75.4** | **2,504** | **21** |
| **Barge Type: Other Tank[5]** | | | | | | |
| Under 195' | 187 | 27.0 | 204,005 | 11.1 | 1,109 | 30 |
| 195' x 35' | 48 | 6.9 | 67,842 | 3.7 | 1,413 | 20 |
| 200' x 35' | 26 | 3.8 | 43,215 | 2.4 | 1,662 | 2 |
| 250' - 300' | 364 | 52.5 | 1,345,874 | 73.2 | 3,708 | 12 |
| Over 300' | 17 | 2.5 | 68,173 | 3.7 | 4,010 | 7 |
| NEI | 51 | 7.4 | 109,018 | 5.9 | 2,225 | 29 |
| **Total Other Tank** | **693** | **16.5** | **1,838,127** | **17.9** | **2,676** | **18** |
| **Total Shallow Draft Tank Barge Fleet** | **4,198** | **100.0** | **10,286,397** | **100.0** | **2,488** | **22** |

* Unknown capacity.
1 Based on the loaded draft of the vessel; shallow draft is defined as less than or equal to 14 feet.
2 Size refers to the overall length and breadth of the vessel in feet rounded to the nearest foot. NEI (not elsewhere included) refers to the barges that do not fall within the dimensions stated.
3 Capacity specifies the full load capacity in short tons (2,000 lbs). Average is calculated from only those vessels with known capacity and not the total number of vessels.
4 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.
5 Includes tank barges that are double sided only, double bottom only, or not elsewhere included.

FIGURE 8: SUMMARY OF THE UNITED STATES DEEP DRAFT[1] TANK BARGE FLEET BY BARGE TYPE AND SIZE FOR 2008

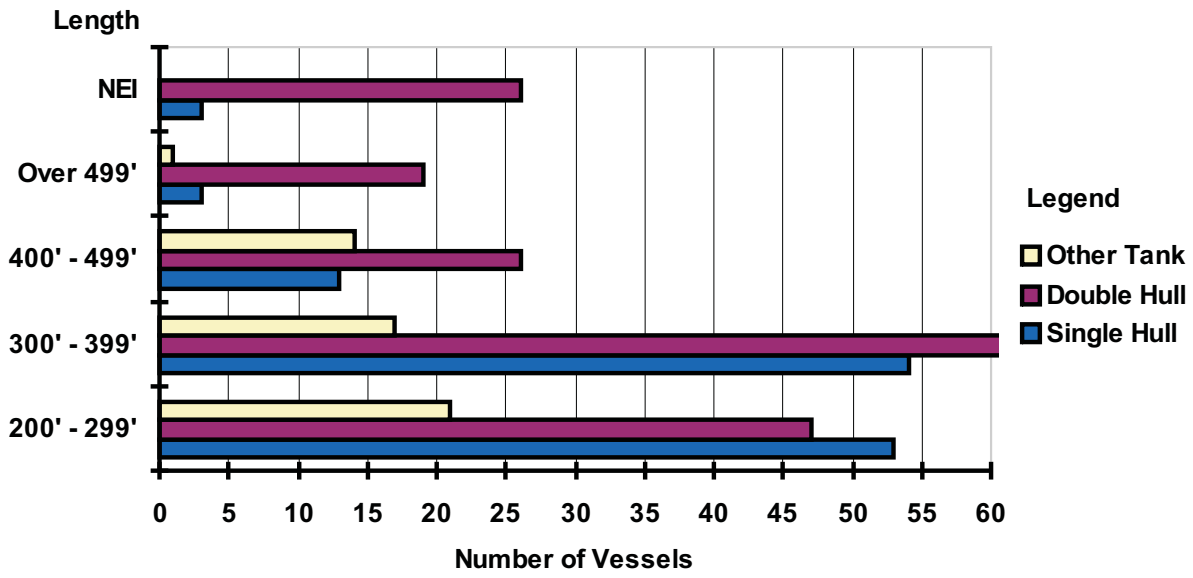



TABLE 8: SUMMARY OF THE UNITED STATES DEEP DRAFT[1] TANK BARGE FLEET BY TYPE AND SIZE FOR 2008

| Barge Size[2] | Total Barges | | Cargo Capacity[3] | | | Average |
|---|---|---|---|---|---|---|
| | Number | % Total | Total | % Total | Average | Age[4] |
| **Barge Type: Single Hull** | | | | | | |
| 200' - 299' | 53 | 43.1 | 266,421 | 24.3 | 5,027 | 31 |
| 300' - 399' | 51 | 41.5 | 523,940 | 47.7 | 10,273 | 29 |
| 400' - 499' | 11 | 8.9 | 244,990 | 22.3 | 22,272 | 24 |
| Over 499' | 2 | 1.6 | 49,740 | 4.5 | 24,870 | 1 |
| NEI | 6 | 4.9 | 12,927 | 1.2 | 2,155 | 21 |
| **Total Single Hull** | **123** | **34.1** | **1,098,018** | **29.0** | **8,927** | **29** |
| **Barge Type: Double Hull** | | | | | | |
| 200' - 299' | 47 | 25.4 | 200,803 | 9.2 | 4,272 | 12 |
| 300' - 399' | 67 | 36.2 | 772,949 | 35.3 | 11,711 | 10 |
| 400' - 499' | 26 | 14.1 | 602,343 | 27.5 | 23,167 | 12 |
| Over 499' | 19 | 10.3 | 546,039 | 25.0 | 28,739 | 10 |
| NEI | 26 | 14.1 | 65,202 | 3.0 | 2,508 | 1 |
| **Total Double Hull** | **185** | **51.2** | **2,187,336** | **57.7** | **11,888** | **9** |
| **Barge Type: Other Tank[5]** | | | | | | |
| Under 300' | 21 | 39.6 | 91,283 | 18.1 | 4,347 | 22 |
| 300' - 399' | 17 | 32.1 | 167,577 | 33.2 | 9,857 | 24 |
| 400' - 499' | 14 | 26.4 | 217,530 | 43.0 | 15,538 | 22 |
| Over 499' | 1 | 1.9 | 28,995 | 5.7 | 28,995 | 28 |
| **Total Other Tank** | **53** | **14.7** | **505,385** | **13.3** | **9,536** | **23** |
| **Total Deep Draft Tank Barge Fleet** | **361** | **100.0** | **3,790,739** | **100.0** | **10,530** | **18** |

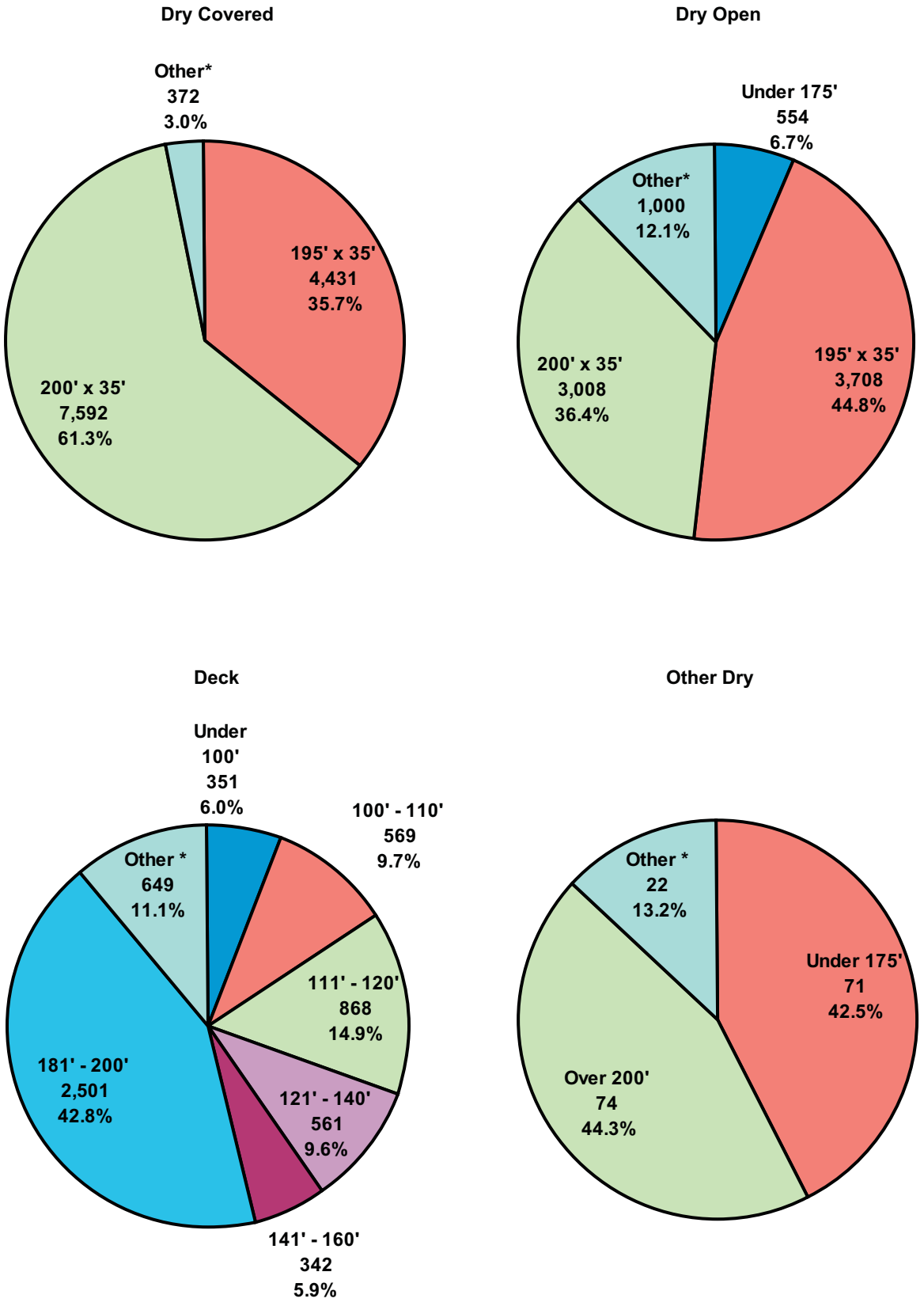
1 Based on the loaded draft of the vessel; deep draft is defined as greater than 14 feet.
2 Size refers to the overall length and breadth of the vessel in feet rounded to the nearest foot. NEI (not elsewhere included) refers to the barges that do not fall within the dimensions stated.
3 Capacity specifies the full load capacity in short tons (2,000 lbs). Average is calculated from only those vessels with known capacity and not the total number of vessels.
4 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.
5 Includes tank barges that are double sided only, double bottom only, or not elsewhere included.

TABLE 9: SUMMARY OF THE UNITED STATES DRY CARGO BARGE FLEET
BY BARGE TYPE AND SIZE FOR 2008

| Barge Size[1] | Total Barges | | Cargo Capacity[2] | | | Average |
|---|---|---|---|---|---|---|
| | Number | % Total | Total | % Total | Average | Age[3] |
| **Barge Type: Dry Covered** | | | | | | |
| Under 175' | 49 | 0.4 | 50,847 | 0.2 | 1,059 | 29 |
| 175' x 26' | 1 | 0.0 | 850 | 0.0 | 850 | 63 |
| 195' x 26' | 1 | 0.0 | 1,670 | 0.0 | 1,670 | 27 |
| 195' x 35' | 4,431 | 35.7 | 7,122,800 | 32.1 | 1,607 | 22 |
| 200' x 35' | 7,592 | 61.3 | 13,342,092 | 60.1 | 1,777 | 15 |
| Over 200' | 297 | 2.4 | 1,636,088 | 7.4 | 5,509 | 22 |
| NEI | 24 | 0.2 | 31,658 | 0.1 | 1,319 | 35 |
| **Total Dry Covered** | **12,395** | **46.5** | **22,186,005** | **50.3** | **1,802** | **18** |
| **Barge Type: Dry Open** | | | | | | |
| Under 175' | 554 | 6.7 | 579,612 | 4.3 | 1,052 | 38 |
| 175' x 26' | 360 | 4.4 | 346,386 | 2.6 | 962 | 23 |
| 195' x 26' | 332 | 4.0 | 365,680 | 2.7 | 1,101 | 25 |
| 195' x 35' | 3,708 | 44.8 | 5,823,111 | 43.5 | 1,573 | 15 |
| 200' x 35' | 3,008 | 36.4 | 5,240,970 | 39.1 | 1,750 | 10 |
| Over 200' | 248 | 3.0 | 923,475 | 6.9 | 3,754 | 25 |
| NEI | 60 | 0.7 | 112,383 | 0.8 | 2,007 | 32 |
| **Total Dry Open** | **8,270** | **31.0** | **13,391,617** | **30.3** | **1,625** | **16** |
| **Barge Type: Deck** | | | | | | |
| Under 100' | 351 | 6.0 | 80,076 | 1.0 | 246 | 36 |
| 100' - 110' | 569 | 9.7 | 300,670 | 3.7 | 539 | 36 |
| 111' - 120' | 868 | 14.9 | 490,245 | 6.1 | 582 | 23 |
| 121' - 140' | 561 | 9.6 | 473,266 | 5.9 | 854 | 33 |
| 141' - 160' | 342 | 5.9 | 345,977 | 4.3 | 1,055 | 30 |
| 161' - 180' | 239 | 4.1 | 376,304 | 4.7 | 1,636 | 33 |
| 181' - 200' | 2,501 | 42.8 | 4,244,030 | 52.6 | 1,759 | 13 |
| 201' - 220' | 58 | 1.0 | 135,835 | 1.7 | 2,342 | 32 |
| 221' - 240' | 68 | 1.2 | 208,834 | 2.6 | 3,117 | 33 |
| 241' - 260' | 115 | 2.0 | 445,111 | 5.5 | 3,871 | 25 |
| Over 260' | 161 | 2.8 | 967,158 | 12.0 | 6,280 | 27 |
| NEI | 8 | 0.1 | 1,050 | 0.0 | 350 | 42 |
| **Total Deck** | **5,841** | **21.9** | **8,068,556** | **18.3** | **1,429** | **23** |
| **Barge Type: Lash / Seabee** | | | | | | |
| Lash 62' x 31' | 2 | 40.0 | 789 | 11.9 | 395 | 26 |
| Seabee 97' x 35' | 1 | 20.0 | 3,845 | 58.0 | 3,845 | 35 |
| NEI | 2 | 40.0 | 2,000 | 30.1 | 1,000 | 48 |
| **Total Lash Seabee** | **5** | **0.0** | **6,634** | **0.0** | **1,327** | **36** |
| **Barge Type: Other Dry[4]** | | | | | | |
| Under 175' | 71 | 42.5 | 17,224 | 3.5 | 338 | 28 |
| 175' x 26' | 0 | 0.0 | 0 | 0.0 | - | 0 |
| 195' x 26' | 0 | 0.0 | 0 | 0.0 | - | 0 |
| 195' x 35' | 1 | 0.6 | 1,403 | 0.3 | 1,403 | 47 |
| 200' x 35' | 4 | 2.4 | 6,680 | 1.4 | 1,670 | 10 |
| Over 200' | 74 | 44.3 | 443,237 | 91.1 | 6,819 | 26 |
| NEI | 17 | 10.2 | 17,860 | 3.7 | 1,624 | 28 |
| **Total Other Dry** | **167** | **0.6** | **486,404** | **1.1** | **3,685** | **28** |
| **Total Dry Cargo** | **26,678** | **100.0** | **44,139,216** | **100.0** | **1,676** | **18** |

1 Size refers to the overall length and breadth of the vessel in feet rounded to the nearest foot. NEI (not elsewhere included) refers to the barges that do not fall within the dimensions stated.
2 Capacity specifies the full load capacity in short tons (2,000 lbs). Average is calculated from only those vessels with known capacity and not the total number of vessels.
3 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.
4 Includes dry cargo barges that may be open or covered, railroad car, pontoon, RO-RO, container, or convertible.

FIGURE 9: SUMMARY OF THE UNITED STATES DRY CARGO BARGE FLEET
BY BARGE TYPE AND SIZE FOR 2008



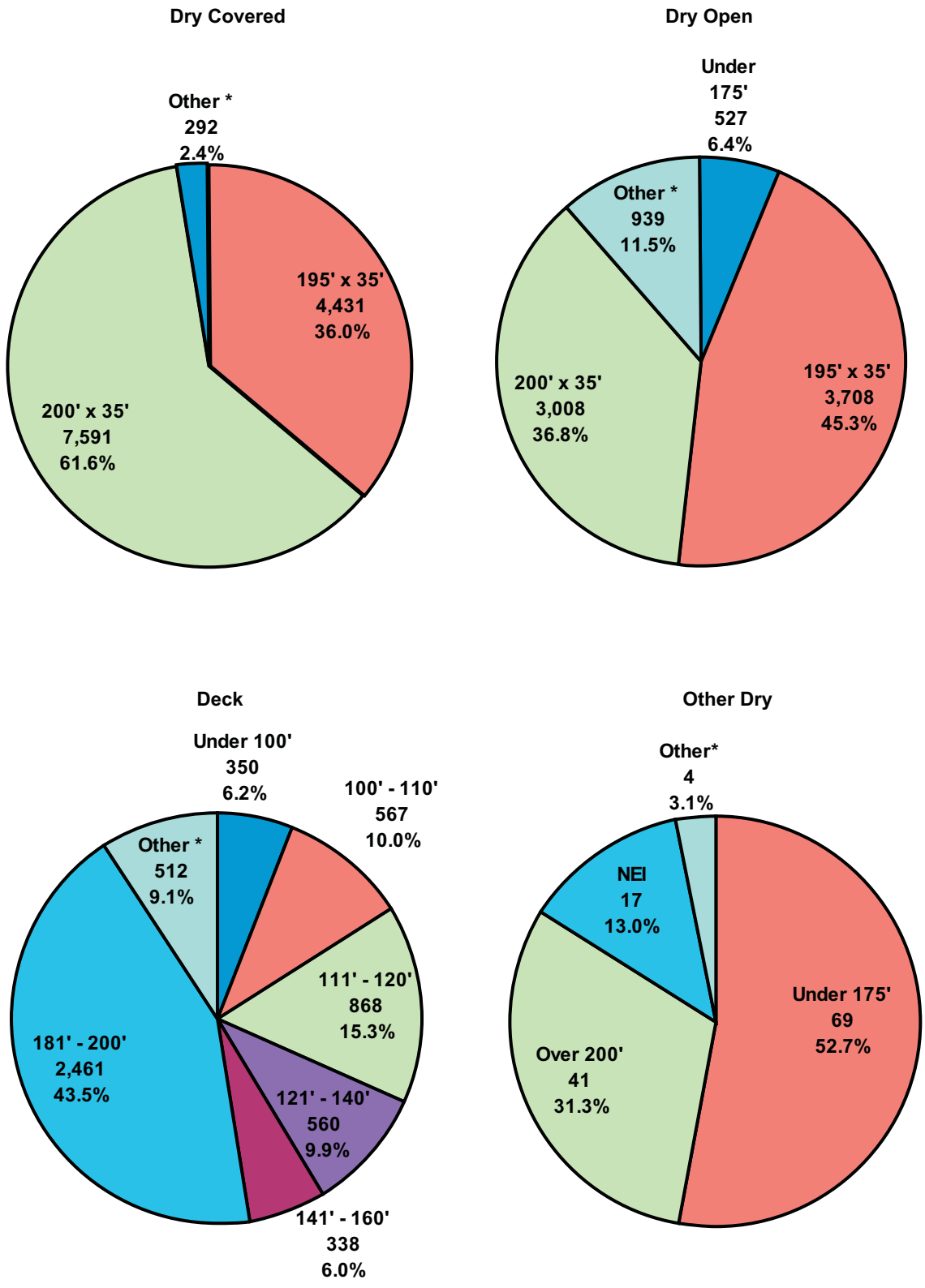

* Other size category represents the combined number of vessels for size groups with less than 5.5% of the total for the barge type.

TABLE 10: SUMMARY OF THE UNITED STATES SHALLOW DRAFT[1] DRY CARGO BARGE FLEET BY BARGE TYPE AND SIZE FOR 2008

| Barge Size[2] | Total Barges | | Cargo Capacity[3] | | | Average |
|---|---|---|---|---|---|---|
| | Number | % Total | Total | % Total | Average | Age[4] |
| **Barge Type: Dry Covered** | | | | | | |
| Under 175' | 49 | 0.4 | 50,847 | 0.2 | 1,059 | 29 |
| 175' x 26' | 1 | 0.0 | 850 | 0.0 | 850 | 63 |
| 195' x 26' | 1 | 0.0 | 1,670 | 0.0 | 1,670 | 27 |
| 195' x 35' | 4,431 | 36.0 | 7,122,800 | 33.8 | 1,607 | 22 |
| 200' x 35' | 7,591 | 61.6 | 13,340,592 | 63.2 | 1,777 | 15 |
| Over 200' | 217 | 1.8 | 544,514 | 2.6 | 2,509 | 21 |
| NEI | 24 | 0.2 | 31,658 | 0.2 | 1,319 | 35 |
| **Total Dry Covered** | **12,314** | **46.8** | **21,092,931** | **50.8** | **1,725** | **18** |
| **Barge Type: Dry Open** | | | | | | |
| Under 175' | 527 | 6.4 | 518,723 | 4.0 | 990 | 37 |
| 175' x 26' | 360 | 4.4 | 346,386 | 2.7 | 962 | 23 |
| 195' x 26' | 332 | 4.1 | 365,680 | 2.8 | 1,101 | 25 |
| 195' x 35' | 3,708 | 45.3 | 5,823,111 | 45.0 | 1,573 | 15 |
| 200' x 35' | 3,008 | 36.8 | 5,240,970 | 40.5 | 1,750 | 10 |
| Over 200' | 195 | 2.4 | 563,498 | 4.4 | 2,905 | 25 |
| NEI | 52 | 0.6 | 92,701 | 0.7 | 1,931 | 31 |
| **Total Dry Open** | **8,182** | **31.1** | **12,951,069** | **31.2** | **1,588** | **16** |
| **Barge Type: Deck** | | | | | | |
| Under 100' | 350 | 6.2 | 80,076 | 1.1 | 246 | 36 |
| 100' - 110' | 567 | 10.0 | 300,670 | 4.2 | 539 | 36 |
| 111' - 120' | 868 | 15.3 | 490,245 | 6.8 | 582 | 23 |
| 121' - 140' | 560 | 9.9 | 470,266 | 6.5 | 850 | 33 |
| 141' - 160' | 338 | 6.0 | 344,007 | 4.8 | 1,055 | 30 |
| 161' - 180' | 228 | 4.0 | 357,715 | 5.0 | 1,619 | 32 |
| 181' - 200' | 2,461 | 43.5 | 4,218,237 | 58.5 | 1,756 | 13 |
| 201' - 220' | 55 | 1.0 | 129,654 | 1.8 | 2,357 | 31 |
| 221' - 240' | 55 | 1.0 | 153,564 | 2.1 | 2,844 | 34 |
| 241' - 260' | 87 | 1.5 | 311,208 | 4.3 | 3,577 | 27 |
| Over 260' | 82 | 1.4 | 355,040 | 4.9 | 4,383 | 32 |
| NEI | 5 | 0.1 | 1,050 | 0.0 | 350 | 33 |
| **Total Deck** | **5,656** | **21.5** | **7,211,732** | **17.4** | **1,310** | **23** |
| **Barge Type: Lash / Seabee** | | | | | | |
| Lash 62' x 31' | 2 | 40.0 | 789 | 11.9 | 395 | 26 |
| Seabee 98' x 35' | 1 | 20.0 | 3,845 | 58.0 | 3,845 | 35 |
| NEI | 2 | 40.0 | 2,000 | 30.1 | 1,000 | 48 |
| **Total Lash Seabee** | **5** | **0.0** | **6,634** | **0.0** | **1,327** | **36** |
| **Barge Type: Other Dry[5]** | | | | | | |
| Under 175' | 69 | 52.7 | 17,224 | 7.6 | 338 | 28 |
| 175' x 26' | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| 195' x 26' | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| 195' x 35' | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| 200' x 35' | 4 | 3.1 | 6,680 | 2.9 | 1,670 | 10 |
| Over 200' | 41 | 31.3 | 184,841 | 81.6 | 5,437 | 29 |
| NEI | 17 | 13.0 | 17,860 | 7.9 | 1,624 | 28 |
| **Total Other Dry** | **131** | **0.5** | **226,605** | **0.5** | **2,266** | **28** |
| **Total Dry Cargo** | **26,288** | **100.0** | **41,488,971** | **100.0** | **1,596** | **18** |

1 Based on the loaded draft of the vessel; shallow draft is defined as less than or equal to 14 feet.
2 Size refers to the overall length and breadth of the vessel in feet rounded to the nearest foot. NEI (not elsewhere included) refers to the barges that do not fall within the dimensions stated.
3 Capacity specifies the full load capacity in short tons (2,000 lbs). Average is calculated from only those vessels with known capacity and not the total number of vessels.
4 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.
5 Includes dry cargo barges that may be open or covered, railroad car, pontoon, RO-RO, container, or convertible.

FIGURE 10: SUMMARY OF THE UNITED STATES SHALLOW DRAFT DRY CARGO BARGE FLEET BY BARGE TYPE AND SIZE FOR 2008




* Other size category represents the combined number of vessels for size groups with less than 5.5% of the total for the barge type.

TABLE 11: SUMMARY OF THE UNITED STATES DEEP DRAFT[1] DRY CARGO BARGE FLEET BY BARGE TYPE AND SIZE FOR 2008

| Barge Size[2] | Total Barges | | Cargo Capacity[3] | | | Average |
|---|---|---|---|---|---|---|
| | Number | % Total | Total | % Total | Average | Age[4] |
| **Barge Type: Dry Covered** | | | | | | |
| Under 200' | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| 200' - 299' | 29 | 34.5 | 127,886 | 11.3 | 4,410 | 28 |
| 300' - 399' | 18 | 21.4 | 163,852 | 14.5 | 9,103 | 25 |
| 400' - 499' | 25 | 29.8 | 429,797 | 38.0 | 17,192 | 26 |
| Over 499' | 12 | 14.3 | 410,439 | 36.3 | 34,203 | 22 |
| NEI | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| **Total Dry Covered** | **84** | **26.1** | **1,131,974** | **42.7** | **13,476** | **26** |
| **Barge Type: Dry Open** | | | | | | |
| Under 200' | 32 | 41.0 | 71,571 | 18.2 | 2,237 | 50 |
| 200' - 299' | 34 | 43.6 | 179,107 | 45.5 | 5,427 | 24 |
| 300' - 399' | 9 | 11.5 | 72,100 | 18.3 | 8,011 | 26 |
| Over 399' | 3 | 3.8 | 70,500 | 17.9 | 23,500 | 13 |
| NEI | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| **Total Dry Open** | **78** | **24.2** | **393,278** | **14.9** | **5,108** | **34** |
| **Barge Type: Deck** | | | | | | |
| Under 200' | 11 | 8.8 | 24,988 | 3.0 | 2,272 | 32 |
| 200' - 299' | 69 | 55.2 | 368,430 | 44.3 | 5,418 | 22 |
| 300' - 399' | 29 | 23.2 | 260,607 | 31.3 | 9,307 | 22 |
| Over 399' | 16 | 12.8 | 177,822 | 21.4 | 11,114 | 28 |
| NEI | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| **Total Deck** | **125** | **38.8** | **831,847** | **31.4** | **6,763** | **24** |
| **Barge Type: Other Dry[5]** | | | | | | |
| 200' - 299' | 6 | 17.1 | 32,764 | 11.3 | 6,553 | 22 |
| 300' - 399' | 17 | 48.6 | 130,406 | 44.8 | 8,150 | 21 |
| 400' - 499' | 9 | 25.7 | 90,384 | 31.1 | 10,043 | 22 |
| Over 499' | 3 | 8.6 | 37,500 | 12.9 | 12,500 | 33 |
| NEI | 0 | 0.0 | 0 | 0.0 | 0 | 0 |
| **Total Other Dry** | **35** | **10.9** | **291,054** | **11.0** | **8,820** | **22** |
| **Total Dry Cargo** | **322** | **100.0** | **2,648,153** | **100.0** | **8,354** | **27** |

1 Based on the loaded draft of the vessel; deep draft is defined as greater than 14 feet.
2 Size refers to the overall length and breadth of the vessel in feet rounded to the nearest foot. NEI (not elsewhere included) refers to the barges that do not fall within the dimensions stated.
3 Capacity specifies the full load capacity in short tons (2,000 lbs). Average is calculated from only those vessels with known capacity and not the total number of vessels.
4 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.
5 Includes dry cargo barges that may be open or covered, railroad car, pontoon, RO-RO, container, or convertible.

FIGURE 11: SUMMARY OF THE UNITED STATES DEEP DRAFT DRY CARGO BARGE FLEET BY BARGE TYPE AND SIZE FOR 2008

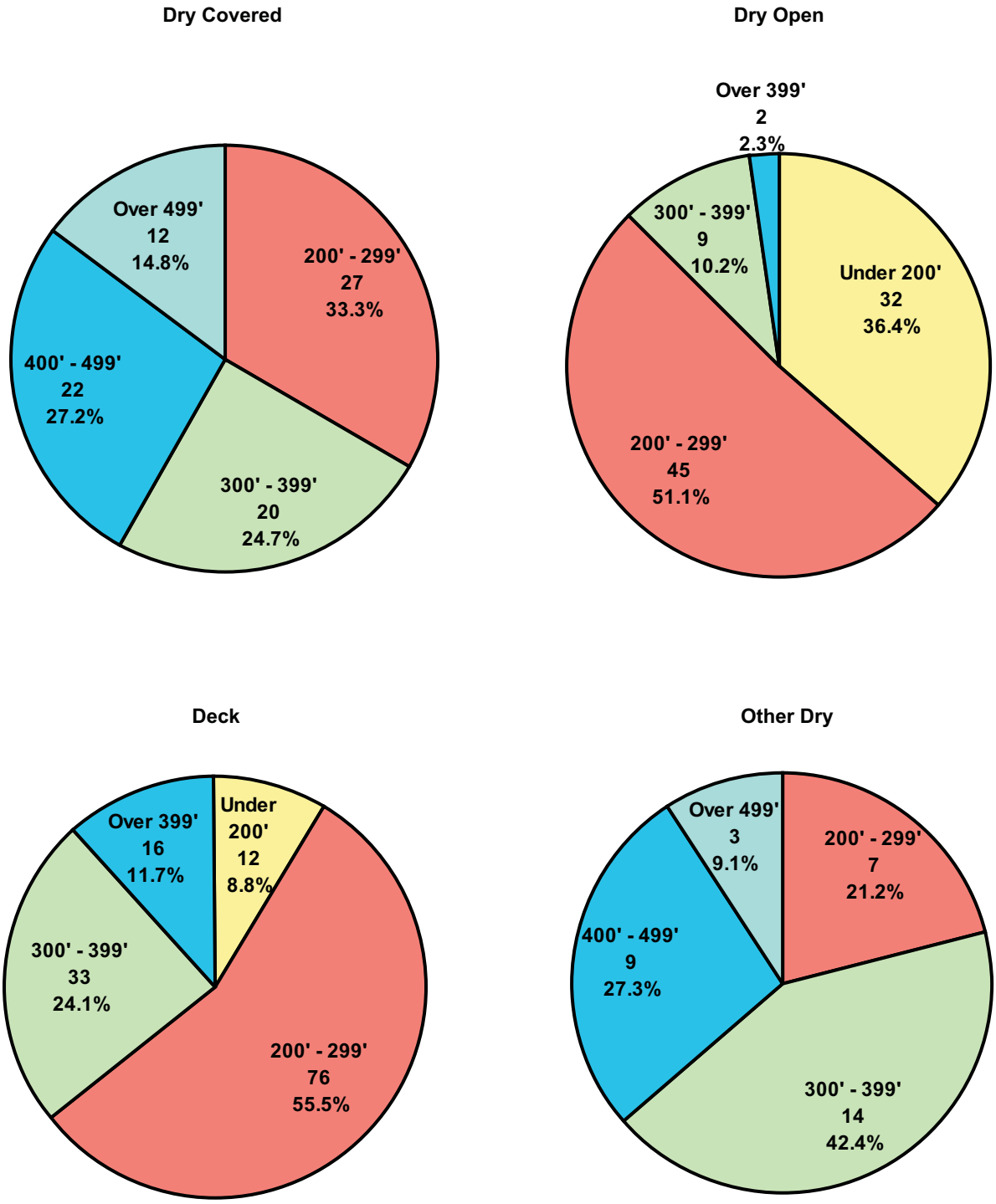


FIGURE 12: SUMMARY OF THE UNITED STATES SHALLOW AND DEEP DRAFT[1] VESSELS BY VESSEL TYPE FOR 2008

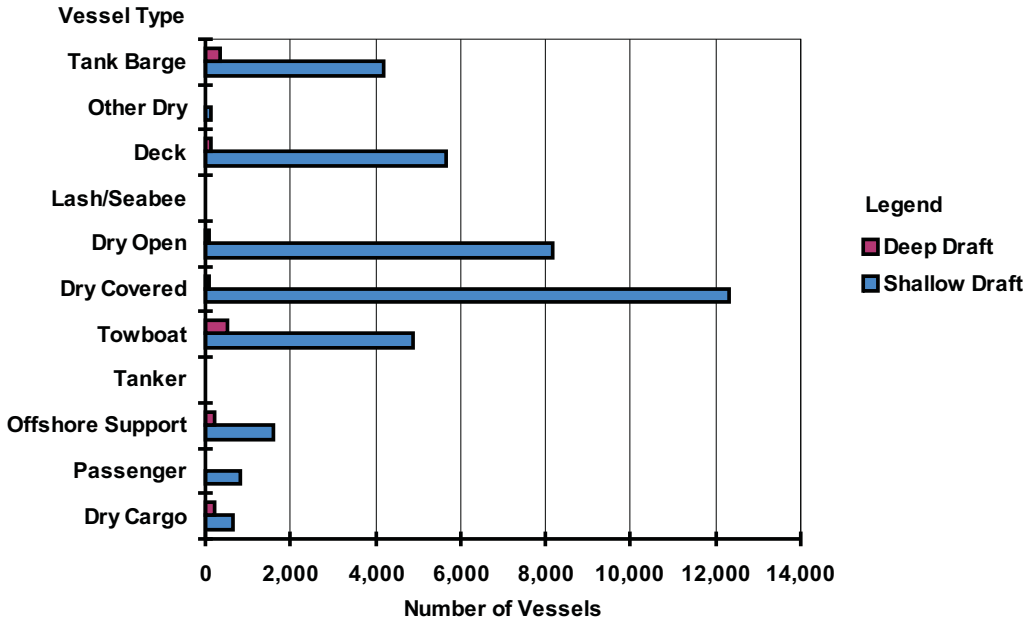



TABLE 12: SUMMARY OF THE UNITED STATES SHALLOW AND DEEP DRAFT[1] VESSELS BY VESSEL TYPE FOR 2008

| | Shallow Draft Vessels | | | | Deep Draft Vessels | | | |
|---|---|---|---|---|---|---|---|---|
| | Number | %Total of Type | Average Draft | Average Age | Number | %Total of Type | Average Draft | Average Age |
| **Vessels (total)[2]** | **38,508** | **95.8** | **9** | **21** | **1,679** | **4.2** | **21** | **22** |
| **Self Propelled (total)** | **8,008** | **89.1** | **8** | **29** | **976** | **10.9** | **21** | **21** |
| Dry Cargo (total) | 668 | 77.2 | 7 | 27 | 197 | 22.8 | 31 | 25 |
| Dry Bulk | 6 | 9.2 | 10 | 43 | 59 | 90.8 | 30 | 33 |
| Containership | 0 | 0.0 | 0 | 0 | 76 | 100.0 | 39 | 18 |
| General Cargo | 146 | 84.4 | 7 | 35 | 27 | 15.6 | 27 | 20 |
| Specialized | 516 | 93.6 | 6 | 25 | 35 | 6.4 | 17 | 31 |
| Passenger | 808 | 99.3 | 5 | 27 | 6 | 0.7 | 21 | 42 |
| Offshore Support | 1,605 | 88.5 | 8 | 22 | 209 | 11.5 | 17 | 8 |
| Tanker | 26 | 34.2 | 8 | 40 | 50 | 65.8 | 42 | 20 |
| Towboat | 4,901 | 90.5 | 8 | 32 | 514 | 9.5 | 17 | 26 |
| **Non-Self-Propelled(total)** | **30,486** | **97.8** | **9** | **19** | **700** | **2.2** | **20** | **22** |
| Dry Barge (total) | 26,288 | 98.7 | 9 | 18 | 339 | 1.3 | 18 | 26 |
| Dry Covered | 12,314 | 99.3 | 10 | 18 | 81 | 0.7 | 23 | 25 |
| Dry Open | 8,182 | 98.9 | 9 | 16 | 88 | 1.1 | 18 | 35 |
| Lash / Seabee | 5 | 100.0 | 9 | 36 | 0 | 0.0 | 0 | 0 |
| Deck | 5,656 | 97.6 | 9 | 22 | 137 | 2.4 | 16 | 23 |
| Other Dry[3] | 131 | 79.9 | 8 | 25 | 33 | 20.1 | 17 | 22 |
| Tank Barge (total) | 4,198 | 92.1 | 10 | 22 | 361 | 7.9 | 21 | 18 |
| Single Hull | 357 | 74.4 | 9 | 38 | 123 | 25.6 | 19 | 29 |
| Double Hull | 3,148 | 94.4 | 10 | 21 | 185 | 5.6 | 22 | 9 |
| Other Tank[4] | 693 | 92.9 | 10 | 18 | 53 | 7.1 | 21 | 23 |

1 Based on the loaded draft of the vessel; shallow draft is defined as less than or equal to 14 feet and deep draft is greater than 14 feet.
2 Total is greater than the sum because of vessels with unknown draft; includes vessels available for operation.
3 Includes dry cargo barges that may be open or covered, railroad car, pontoon, RO-RO, container, or convertible.
4 Includes tank barges that may be double sided only, double bottom only, or not elsewhere included.

FIGURE 13: SUMMARY OF THE UNITED STATES FLAG VESSELS AVAILABLE VERSUS OPERATING BY VESSEL TYPE FOR 2008

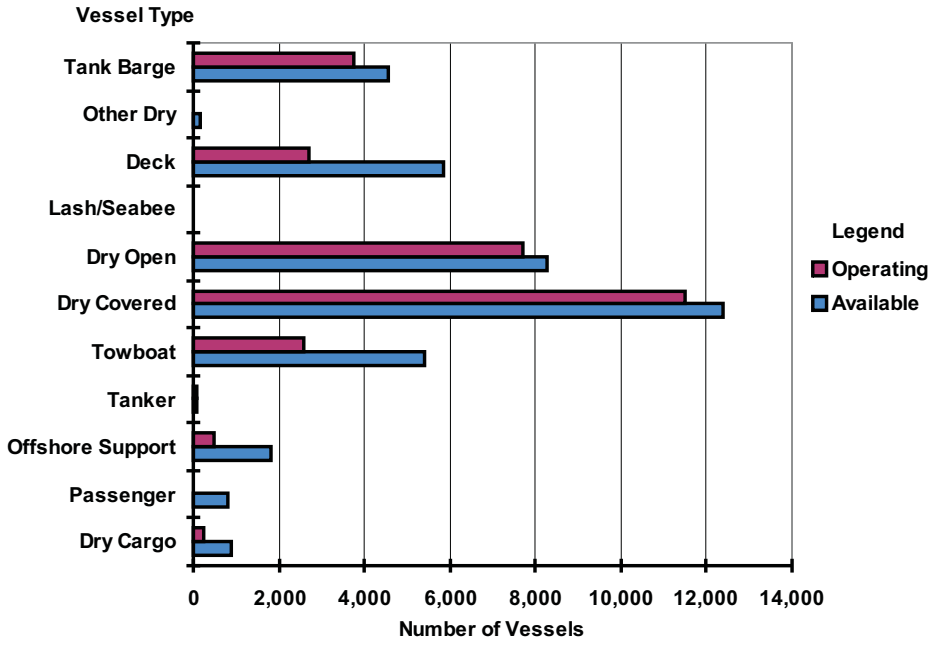



TABLE 13: SUMMARY OF THE UNITED STATES FLAG VESSELS: AVAILABLE VERSUS OPERATING[1] BY VESSEL TYPE FOR 2008

| Vessel Type | Vessels Available (WTLUS) | Vessels Operating (VOR) | % Operating | Total Operating Vessel Companies[2] |
|---|---|---|---|---|
| **Vessels (total)** | **40,301** | **29,154** | **72.34** | **652** |
| **Self-Propelled Total[3]** | **9,063** | **3,428** | **37.82** | **518** |
| Dry Cargo (total) | 894 | 244 | 27.29 | 70 |
| Dry Bulk | 65 | 51 | 78.46 | 15 |
| Containership | 76 | 23 | 30.26 | 2 |
| General Cargo | 173 | 43 | 24.86 | 19 |
| Specialized | 580 | 127 | 21.90 | 43 |
| Passenger[4] | 821 | N/A | N/A | N/A |
| Offshore Support | 1,830 | 503 | 27.49 | 89 |
| Tanker | 76 | 72 | 94.74 | 26 |
| Towboat | 5,424 | 2,569 | 47.36 | 465 |
| **Non-Self-Propelled (total)** | **31,238** | **25,726** | **82.35** | **353** |
| Dry Barge (total) | 26,678 | 21,967 | 82.34 | 253 |
| Dry Covered | 12,395 | 11,481 | 92.63 | 155 |
| Dry Open | 8,270 | 7,687 | 92.95 | 134 |
| Lash / Seabee[5] | 5 | 18 | 360.00 | 3 |
| Deck | 5,841 | 2,723 | 46.62 | 183 |
| Other Dry[6] | 167 | 57 | 34.13 | 27 |
| Tank Barge (total) | 4,560 | 3,759 | 82.43 | 155 |
| Single Hull | 480 | 252 | 52.50 | 69 |
| Double Hull | 3,334 | 2,952 | 88.54 | 113 |
| Other Tank[7] | 746 | 555 | 74.40 | 82 |

1 Vessels which are available for operation and reported on the Waterborne Transportation Lines (WTLUS) Annual Questionnaire versus those that were actually operating and reported on the Vessel Operation Reports (VORs).
2 Vessel Companies may operate more than one type of vessel during the year.
3 Total is greater than the sum because of unclassified vessels; includes vessels available for operation.
4 Vessel Operating Reports are not collected for passenger vessels.
5 Over 300 lash barges were removed from service during the year.
6 Includes dry cargo barges that may be open or covered, railroad car, pontoon, RO-RO, container, or convertible.
7 Includes tank barges that may be double sided only, double bottom only, or not elsewhere included.

FIGURE 14: SUMMARY OF THE UNITED STATES FERRY FLEET 2008
BY STATE

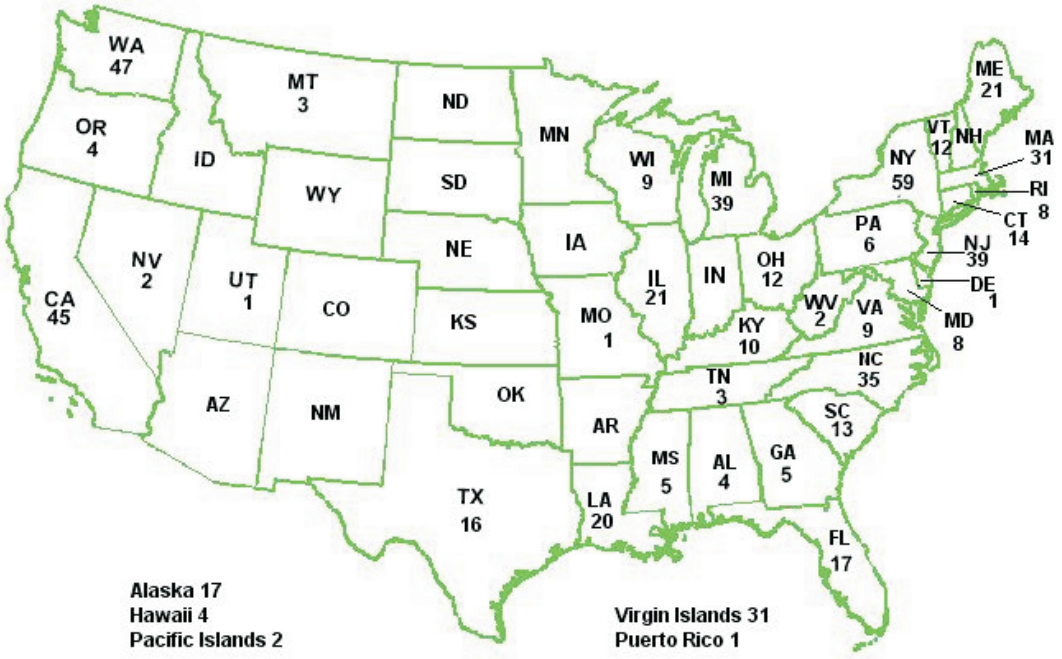



TABLE 14: SUMMARY OF THE UNITED STATES FERRY FLEET 2008
BY PASSENGER FOR 2008

| Ferry Passenger Capacity | Vessels Number | % Total | Horsepower[1] Total | % Total | Average[2] | Average[3] Age |
|---|---|---|---|---|---|---|
| 0 - 50 | 86 | 14.9 | 19,124 | 1.7 | 258 | 31 |
| 51 - 100 | 69 | 12 | 45,936 | 4.2 | 729 | 27 |
| 101 - 200 | 157 | 27.2 | 207,909 | 19 | 1,377 | 23 |
| 201 - 350 | 99 | 17.2 | 249,921 | 22.8 | 2,603 | 24 |
| 351 - 500 | 62 | 10.7 | 231,766 | 21.1 | 3,738 | 19 |
| 501 - 1000 | 47 | 8.1 | 144,517 | 13.2 | 3,075 | 27 |
| Over 1000 | 27 | 4.7 | 188,550 | 17.2 | 6,983 | 24 |
| Unknown | 30 | 5.2 | 8,653 | 0.8 | 509 | 26 |
| Total Ferry Fleet | 577 | 100 | 1,096,376 | 100 | 2,042 | 25 |

1 Horsepower rating is reported when the vessel was new or when the present engine was installed.
2 Average is calculated from only those vessels with known horsepower and not the total number of vessels.
3 Age is based upon the year the vessel was built or rebuilt. Average is calculated from only those vessels with a known age and not the total number of vessels.

# REPORT DOCUMENTATION PAGE

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- Condensation of Vessel Data
- Vessel characteristics are represented in both tabular and graphic form.

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Waterborne Commerce Statistics, District Commerce, Water Transportation, Freight Traffic, Commodity Flows.

| 16. SECURITY CLASSIFICATION OF: | | | 17. LIMITATION OF ABSTRACT | 18. NUMBER OF PAGES | 19a. NAME OF RESPONSIBLE PERSON |
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