

# Report on Survey of U.S. Shipbuilding and Repair Facilities

2004

# REPORT ON SURVEY OF U.S. SHIPBUILDING AND REPAIR FACILITIES 2004

Prepared By:

Office of Shipbuilding and Marine Technology
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#### INTRODUCTION

In compliance with the Merchant Marine Act of 1936, as amended <sup>1</sup>/, the Maritime Administration (MARAD) conducts an annual survey of the U.S. shipbuilding and ship repair industry to determine if an adequate industrial base exists for national defense and for use in a national emergency. This Report on the 2004 survey of U.S. shipyard facilities was prepared by MARAD's Office of Shipbuilding and Marine Technology, and is in response to the congressional mandate.

The statistical data accumulated by the survey is an important element in the assessment of the adequacy of the Nation's shipbuilding industrial base, including ship repair. It also provides critical input in determining which facilities will be used during the reactivation of the reserve fleets maintained by MARAD and the U.S. Navy.

In addition, the survey also provides a database that is used to evaluate the feasibility of proposed shipbuilding programs. From the data obtained, determinations are made as to which existing shipyards might construct proposed ships, consistent with ship size and delivery date requirements. The need for construction of new facilities to meet the demands of proposed shipbuilding programs can be also identified. The information, gathered by the annual survey, is also used extensively by MARAD in responses to queries received from a variety of interests, including members of Congress, the Secretary of Transportation, the Department of Defense, the Office of Management and Budget and other Government agencies.

Each year in late spring, Standard Form 17 (SF-17), "Facilities Available for the Construction or Repair of Ships," (Appendix A) is mailed to approximately 350 U.S. shipbuilding and ship repair facilities. The form developed jointly by MARAD and the U.S. Navy, represents a detailed questionnaire seeking information on shipbuilding and ship repair facilities, data not available from any other source on a continuing and structured basis.

<sup>1/</sup> Section 210 - "It shall be the duty of the Secretary of Transportation to make a survey of the American merchant marine, as it now exists, to determine what additions and replacements are required to carry forward the national policy declared in Section 101 of this Act, and the Secretary of Transportation is directed to study, perfect, and adopt a long-range program for replacements and additions to the American merchant marine so that as soon as practicable the following objectives may be accomplished: ...Fourth, the creation and maintenance of efficient shipbuilding and repair capacity in the United States with adequate numbers of skilled personnel to provide an adequate mobilization base."

Section 211 - "The Secretary of Transportation is authorized and directed to investigate, determine, and keep current records of ... (g) The number, location, and efficiency of the shipyards existing on the date of enactment of this Act or thereafter built in the United States;"

Section 502(f) - "The Secretary of Transportation with the advice of and in coordination with the Secretary of the Navy, shall, at least once each year, as required for purposes of this Act, survey the existing privately owned shipyards capable of merchant ship construction, or review available data on such shipyards if deemed adequate, to determine whether their capabilities for merchant ship construction, including facilities and skilled personnel, provide an adequate mobilization base at strategic points for purposes of national defense and national emergency."

The completed SF-17's are reviewed and analyzed by MARAD's Office of Shipbuilding and Marine Technology and the U.S. Navy's Naval Sea Systems Command. The results of the analyses are published in this Report, which has been organized and condensed into narratives, exhibits, and appendices to focus attention on the areas of greatest interest to those using the publication.

The shipyard classifications and definitions contained in this Report are based on the joint U.S. Navy and MARAD 1982 Shipyard Mobilization Base Analysis (SYMBA). SYMBA established 1982 as the base year for subsequent annual studies and determined that only facilities with build or repair positions 114 meters (375 feet) or greater would be included in the Major Shipbuilding and Repair Base. In 1985, this shipyard capability parameter was increased to 122 meters (400 feet).

Consequently, a major shipbuilding and repair facility is defined as one that is open and has the capability to construct, drydock, and/or topside repair vessels with a minimum length overall of 122 meters, provided that water depth in the channel to the facility is at least 3.7 meters. Details concerning such facilities are contained in Appendix B to the Report.

Appendix B is a statistical abstract of data gathered from 85 companies responding to MARAD's annual survey, which meet the above criteria. It lists the facilities sorted by region, and displays information with respect to the size and type of each building position, drydock, berth space, employment, and remarks regarding principal shipyard activities.

In summary, Appendix B offers the following definitions and data:

#### Active Shipbuilding Yards

The Active Shipbuilding Yards are comprised of privately owned U.S. shipyards that are open, having at least one shipbuilding position capable of accommodating a vessel 122 meters (400 feet) in length or over. In addition, these shipyards must own or have in place a long-term lease (1 year or more) on the facility in which they intend to accomplish the shipbuilding work, there must be no dimensional obstructions in the waterway leading to open water (i.e., locks, bridges), and the water depth in the channel to the facility must be a minimum of 3.7 meters. The Active Shipbuilding Base, as identified by the U.S. Navy and MARAD, consists of those shipyards identified as Active Shipbuilding Yards.

#### Other Shipyards with Building Positions

Other Shipyards with Building Positions are those privately owned shipyards/facilities that are open with at least one building position capable of accommodating a vessel 122 meters in length and over, and that have not constructed a naval ship or major oceangoing merchant vessel in the past two years.

#### Repair Yards with Drydock Facilities

Repair Yards with Drydock Facilities are defined as those facilities having at least one drydocking facility that can accommodate vessels 122 meters in length and over, provided that water depth, in the channel, to the shipyard itself is at least 3.7 meters. These facilities may also be capable of constructing a vessel less than 122 meters in length overall.

#### **Topside Repair Facilities**

Topside Repair Facilities are those that have sufficient berth/pier space for topside repair of ships 122 meters in length and over, provided that water depth in the channel to the facility itself is at least 3.7 meters. These facilities may also have drydocks and/or construction capability for vessels less than 122 meters in length. Services rendered by these firms vary from a simple repair job to a major topside overhaul, particularly when the work on oceangoing ships can be accomplished without taking the ships out of the water. It is common practice for a shipyard to send its personnel and equipment to provide voyage repairs while the ship is at anchor or working cargo at a commercial marine terminal. There is an increasing trend worldwide to send ship repairers to the ship rather than to bring the ship to the shipyard, thus calling for greater mobility in the use of ship repair personnel.

Notwithstanding the above classifications, the large new construction shipbuilding facilities, described herein generally have drydocks and extensive waterfront acreage that are capable of all types of ship repair and maintenance. Accordingly, it should be noted that major shipyards usually combine repair, overhaul, and conversion with shipbuilding capabilities. It is often difficult, therefore, to draw a sharp line between new shipbuilding yards and ship repair yards, as many of them engage in both types of work.

This Report also contains Appendix C, a compendium of information on medium and small shipyards and boatbuilding and repair companies. This section has been added to acknowledge the important contributions of this sector of the industry to the vitality of our national economy, to the development of the U.S offshore energy industry, U.S. commerce, and to the support of an energy efficient, environmentally sound, intermodal transportation system.

Finally, the 2004 Survey and other industry related sources of information established the following:

 The Active Shipbuilding Yards employed roughly 62 percent of the U.S. shipbuilding and repair industry's total workforce, as reported by the Bureau of Labor Statistics under SIC 336611. A brief description of the nine shipyards and general arrangement drawings of each yard's facilities (Exhibit 11 – 19) were provided by each of the companies and can be found starting on page 25.

- The 15 Other Shipyards with Building Positions employed roughly 6 percent of the U.S. shipbuilding and repair industry's total workforce.
- Combined, the 24 Active Shipbuilding Yards and the Other Shipyards with Building Positions account for about 68 percent of the U.S. shipbuilding and repair industry's total workforce.
- A geographical map locating these shipyards can be found in Exhibits 20 and 21.

Questions and comments about this report should be directed to Daniel Seidman at (202) 366-1888 or by email to Daniel.Seidman@MARAD.DOT.GOV.

# OVERVIEW OF MAJOR SHIPBUILDING AND REPAIR BASE

#### SUMMARY CLASSIFICATION DEFINITIONS

#### Active Shipbuilding Yards

The Active Shipbuilding Yards are comprised of those privately owned U.S. shipyards/facilities, that are open, with at least one building position capable of accommodating a vessel 122 meters (400 feet) in length and over, and are currently engaged in the construction of naval ships and/or major oceangoing merchant vessels 122 meters (400 feet) in length and over.

#### Other Shipyards with Building Positions

Other Shipyards with Building Positions are those privately owned shipyards/facilities that are open, with at least one building position capable of accommodating a vessel 122 meters in length and over, and that have not constructed a naval ship or major oceangoing merchant vessel in the past two years.

#### Repair Yards with Drydock Facilities

Repair Yards with Drydock Facilities are those shipyards that have graving docks, floating drydocks or marine rails capable of handling naval ships and/or major oceangoing merchant vessels 122 meters in length and over.

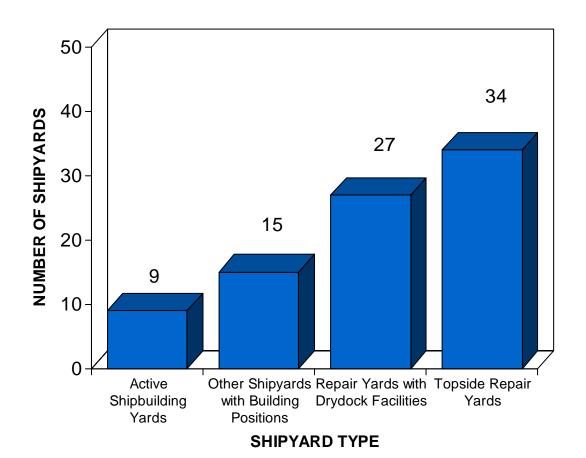
#### Topside Repair Yards

Topside Repair Yards are those shipyards that have sufficient berth/pier space, including dolphins, to accommodate a naval ship or major oceangoing merchant vessel of 122 meters in length or over.

# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

#### NUMBER OF SHIPYARDS BY TYPE

ACTIVE SHIPBUILDING YARDS	9	
OTHER SHIPYARDS WITH BUILDING POSITIONS	15	
REPAIR YARDS WITH DRYDOCK FACILITIES	27	
TOPSIDE REPAIR YARDS	34	
TOTAL	85	

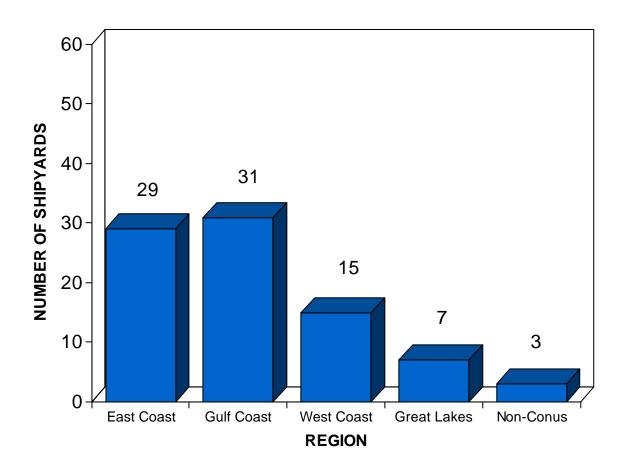


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# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

#### NUMBER OF SHIPYARDS BY REGION

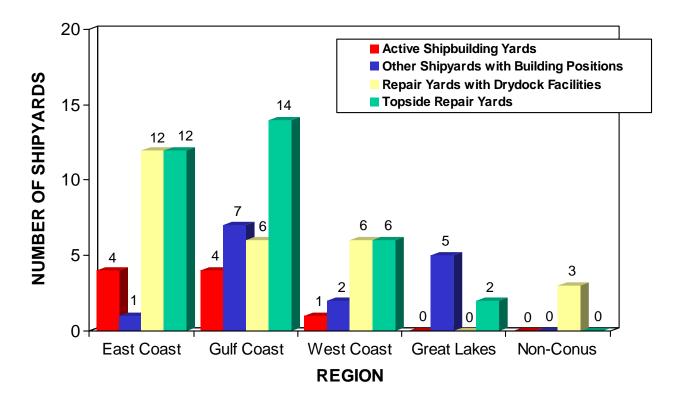
EAST COAST	29
GULF COAST	31
WEST COAST	15
GREAT LAKES	7
NON-CONUS	3
TOTAL	85



# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

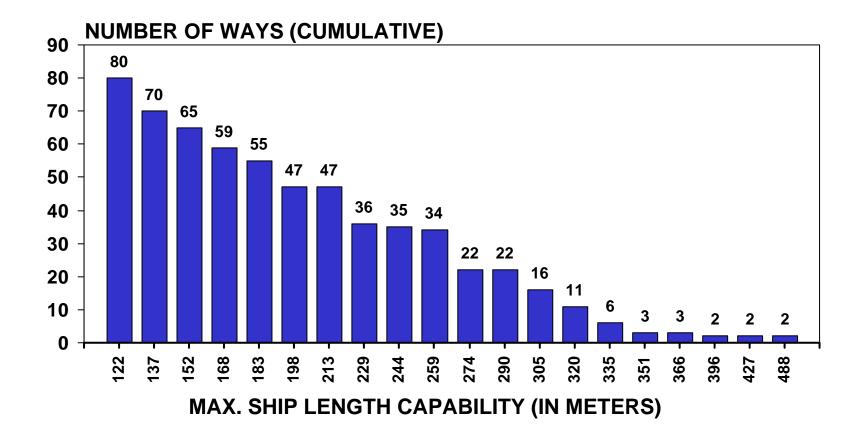
#### NUMBER OF SHIPYARDS BY TYPE AND REGION

	ACTIVE SHIPBUILDING	OTHER SHIPYARDS WITH BUILDING	REPAIR YARDS WITH DRYDOCK	TOPSIDE REPAIR	
	YARDS	POSITIONS	FACILITIES	YARDS	_
EAST COAST	4	1	12	12	
GULF COAST	4	7	6	14	
WEST COAST	1	2	6	6	
GREAT LAKES	0	5	0	2	
NON-CONUS	0	0	3	0	
TOTAL	9	15	27	34	_



## MAJOR U.S. SHIPBUILDING FACILITIES\*

NUMBER OF BUILDING POSITIONS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 1, 2004)

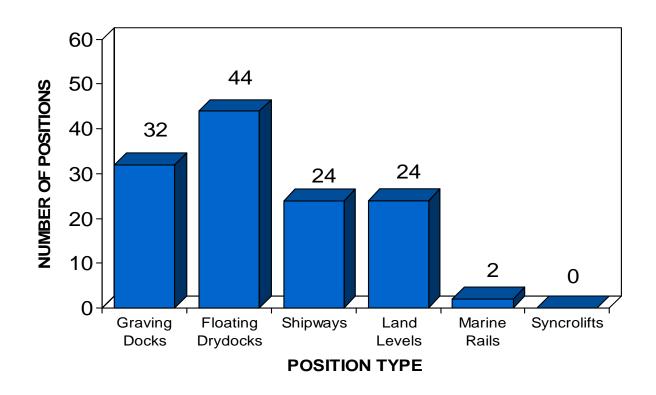


<sup>\*</sup> Shipways, Graving Docks and Land Level Positions

# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

# NUMBER OF BUILD AND REPAIR POSITIONS

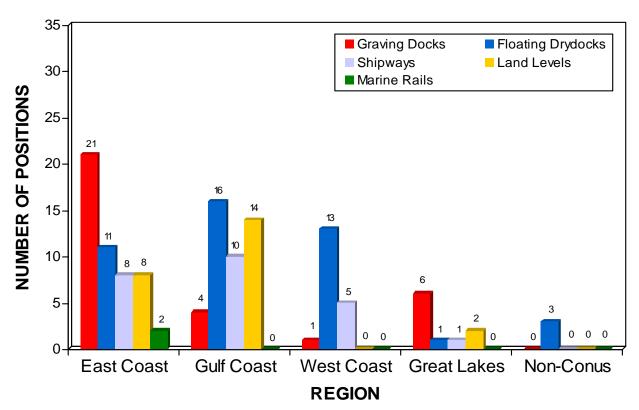
GRAVING DOCKS	32
FLOATING DRYDOCKS	44
SHIPWAYS	24
LAND LEVELS	24
MARINE RAILS	2
SYNCROLIFTS	0
TOTAL	126



# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

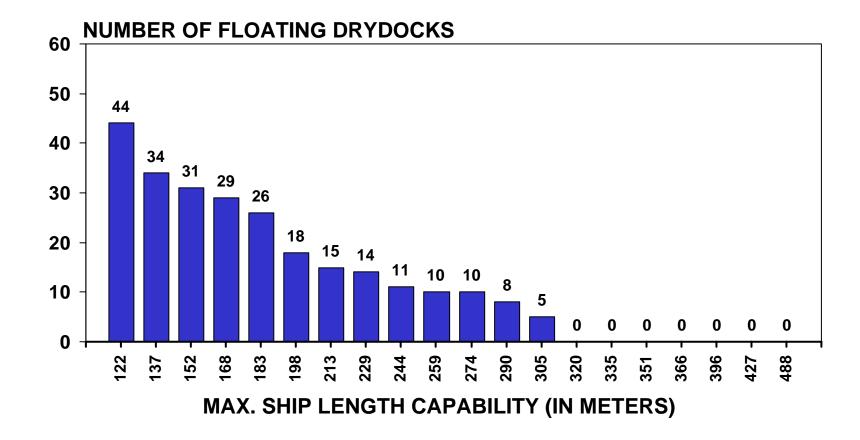
#### NUMBER OF BUILD AND REPAIR POSITIONS BY REGION

	GRAVING	FLOATING		LAND	MARINE	
	DOCKS	DOCKS	SHIPWAYS	LEVELS	RAILS	
EAST COAST	21	11	8	8	2	
<b>GULF COAST</b>	4	16	10	14	0	
WEST COAST	1	13	5	0	0	
<b>GREAT LAKES</b>	6	1	1	2	0	
NON-CONUS	0	3	0	0	0	
TOTAL	32	44	24	24	2	



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# MAJOR U.S. SHIP REPAIR FACILITIES\* NUMBER OF FLOATING DRYDOCKS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 1, 2004)



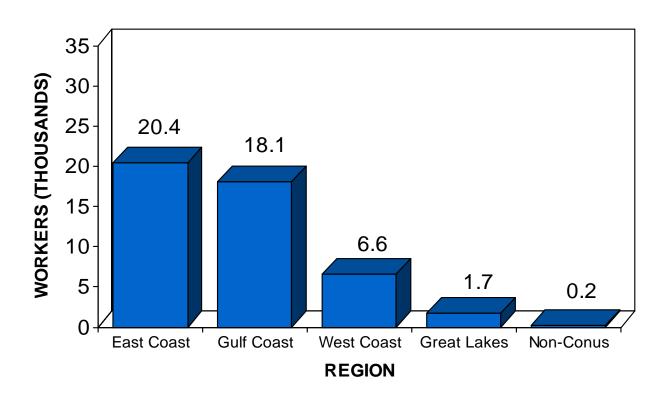
<sup>\*</sup> Includes Major Shipbuilding and Repair Yards with Drydock Facilities

# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

#### NUMBER OF PRODUCTION WORKERS BY REGION

(in Thousands)

EAST COAST	20.4
<b>GULF COAST</b>	18.1
WEST COAST	6.6
<b>GREAT LAKES</b>	1.7
NON-CONUS	0.2
TOTAL	47.0

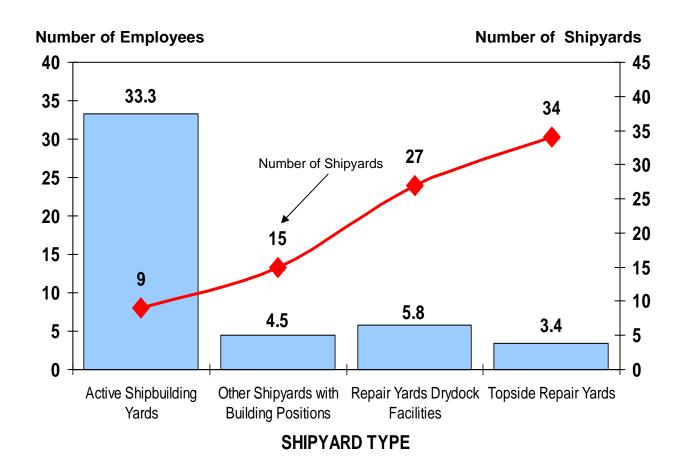


# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

#### NUMBER OF PRODUCTION WORKERS BY SHIPYARD TYPE

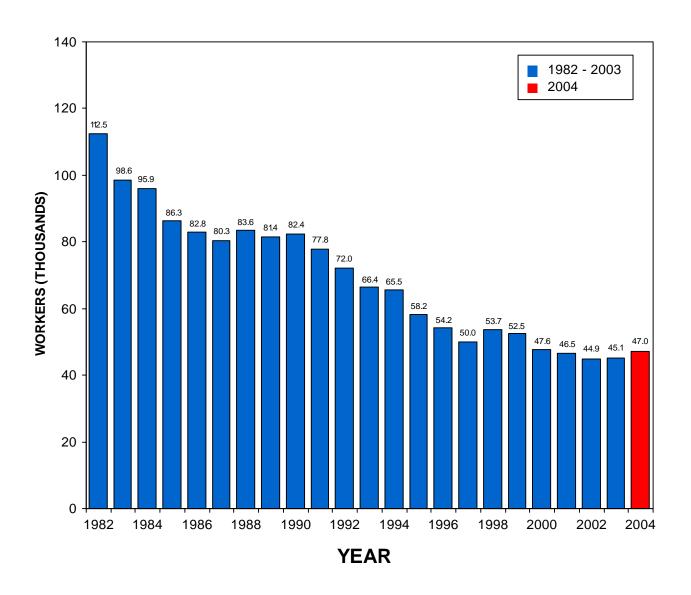
(in Thousands)

ACTIVE SHIPBUILDING YARDS	33.3
OTHER SHIPYARDS WITH BUILDING POSITIONS	4.5
REPAIR YARDS WITH DRYDOCK FACILITIES	5.8
TOPSIDE REPAIR YARDS	3.4
TOTAL	47.0



# MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2004

#### NUMBER OF PRODUCTION WORKERS 1982 - 2004



#### **EAST COAST**

#### **Active Shipbuilding Yards (4)**

Bath Iron Works Corporation - Bath, ME Electric Boat Corporation - Groton, CT Kvaerner Philadelphia Shipyard, Inc. - Philadelphia, PA Northrop Grumman Newport News - Newport News, VA

#### Other Shipyards with Building Positions (1)

Atlantic Dry Dock Corporation - Jacksonville, FL

#### Repair Yards with Drydock Facilities (12)

Bayonne Dry Dock & Repair Corporation - Bayonne, NJ
Boston Ship Repair, Inc. - Boston, MA
Caddell Dry Dock & Repair Company, Inc. - Staten Island, NY
Colonna's Shipyard, Inc. - Norfolk, VA
Detyens Shipyards, Inc., Main Yard - North Charleston, SC
Detyens Shipyards, Inc., Wando Division - Mt. Pleasant, SC
GMD Shipyard Corporation - Brooklyn, NY
Metro Machine Corporation - Norfolk, VA
Metro Machine Corporation - Philadelphia Division - Philadelphia, PA
Norfolk Shipbuilding & Drydock Corporation - Norfolk, VA
North Florida Shipyard, Inc. - Jacksonville, FL
SPEEDE Shipyard, LLC - Norfolk, VA

#### **Topside Repair Yards (12)**

Associated Naval Architects, Inc. - Portsmouth, VA
Earl Industries, Inc. - Portsmouth, VA
Kerney Service Group, Inc. - Norfolk, VA
Marine Hydraulics International, Inc. - Norfolk, VA
Metal Trades, Inc. - N. Charleston, SC
Newport Shipyard Company, LLC - Newport, RI
Norfolk Shiprepair & Drydock Corporation - Norfolk, VA
Promet Marine Services Corporation - Providence, RI

#### **EAST COAST**

#### **Topside Repair Yards (12)**

Reynolds Shipyard Corporation - Staten Island, NY Steel Style, Inc. - Newburgh, NY The General Ship Repair Corporation - Baltimore, MD The Hinckley Company - Portsmouth, RI

#### **EAST COAST TOTAL = 29 Yards**

#### **GULF COAST**

#### **Active Shipbuilding Yards (4)**

Bender Shipbuilding and Repair Company, Inc. - Mobile, AL Northrop Grumman Ship Systems, Avondale Operations - Avondale, LA Northrop Grumman Ship Systems, Ingalls Operations - Pascagoula, MS VT - Halter Marine Pascagoula - Pascagoula, MS

#### Other Shipyards with Building Positions (7)

Alabama Shipyard - Mobile, AL
Austal USA - Mobile, AL
Keppel AmFELS, Inc. - Brownsville, TX
Signal International, LLC - East Yard - Pascagoula, MS
Tampa Bay Shipbuilding & Repair Company - Tampa, FL
United Marine Enterprise, Inc., Port Arthur Shipyard - Beaumont, TX
VT - Halter Moss Point - Moss Point, MS

#### Repair Yards with Drydock Facilities (6)

Atlantic Marine - Mobile - Mobile, AL
Bollinger Gulf Repair, LLC - New Orleans, LA
Bollinger Houston, L.P. - Houston, TX
Gulf Marine Repair Corporation - Tampa, FL
International Ship Repair & Marine Services, Inc. - Tampa, FL
Signal International Texas, LP - D.O.C. Yard - Port Arthur, TX

#### **Topside Repair Yards (14)**

Boland Marine & Mfg. Company, Inc. - New Orleans, LA
Bollinger Algiers, LLC - New Orleans, LA
Bollinger Calcasieu, LLC - Sulphur, LA
Bollinger Lockport, LLC - Lockport, LA
Bollinger Texas City, L.P. - Texas City, TX
Buck Kreihs Company, Inc. - New Orleans, LA
CBH Services, Inc. - Orange, TX
Dixie Machine Welding & Metal Works, Inc. - New Orleans, LA
Gulf Copper & Manufacturing Corporation - Port Arthur, TX

#### **GULF COAST**

#### **Topside Repair Yards (14)**

Houston Ship Repair, Inc. - Brady Island Facility - Houston, TX Orange Shipbuilding Company, Inc. - Orange, TX Sabine Shipyard, Inc. - Sabine Pass, TX Signal International Texas, LP - Orange Yard - Orange, TX Southwest Shipyard - Brady Island - Houston, TX

#### **GULF COAST TOTAL = 31 Yards**

#### **WEST COAST**

#### **Active Shipbuilding Yards (1)**

National Steel and Shipbuilding Company - San Diego, CA

#### **Other Shipyards with Building Positions (2)**

Gunderson, Inc. - Portland, OR Todd Pacific Shipyards Corporation - Seattle, WA

#### Repair Yards with Drydock Facilities (6)

Cascade General, Inc. - Portland, OR
Lake Union Drydock Company - Seattle, WA
Puglia Engineering, Inc. dba Fairhaven Shipyard - Bellingham, WA
San Francisco Drydock, Inc. - San Francisco, CA
Southwest Marine, Inc., San Diego Division - San Diego, CA
Southwest Marine, Inc., San Pedro Division - Terminal Island, CA

#### **Topside Repair Yards (6)**

Bay Ship & Yacht Company, Alameda - Alameda, CA
Bay Ship & Yacht Company, Richmond - Alameda, CA
Continental Maritime of San Diego, Inc. - San Diego, CA
Dakota Creek Industries, Inc. - Anacortes, WA
Everett Shipyard, Inc. - Everett, WA
Foss Shipyard dba Foss Maritime Company - Seattle, WA

#### **WEST COAST TOTAL = 15 Yards**

#### **GREAT LAKES**

#### Other Shipyards with Building Positions (5)

Bay Shipbuilding Company - Sturgeon Bay, WI Fraser Shipyards, Inc. - Superior, WI Marinette Marine Corporation - Marinette, WI Metro Machine Corporation - Industrial Products Division - Erie, PA Toledo Ship Repair Company - Toledo, OH

#### **Topside Repair Yards (2)**

H. Hansen Industries - Toledo, OH Nicholson Terminal & Dock Company - River Rouge, MI

#### **GREAT LAKES TOTAL = 7 Yards**

#### **NON-CONUS**

#### Repair Yards with Drydock Facilities (3)

Alaska Ship & Drydock, Inc. - Ketchikan, AK Marisco, Ltd. - Kapolei, HI Pacific Shipyards International - Honolulu, HI

**NON-CONUS TOTAL = 3 Yards** 

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# DESCRIPTIONS AND GENERAL ARRANGEMENT DRAWINGS FOR THE ACTIVE SHIPBUILDING YARDS

#### Bath Iron Works Corporation

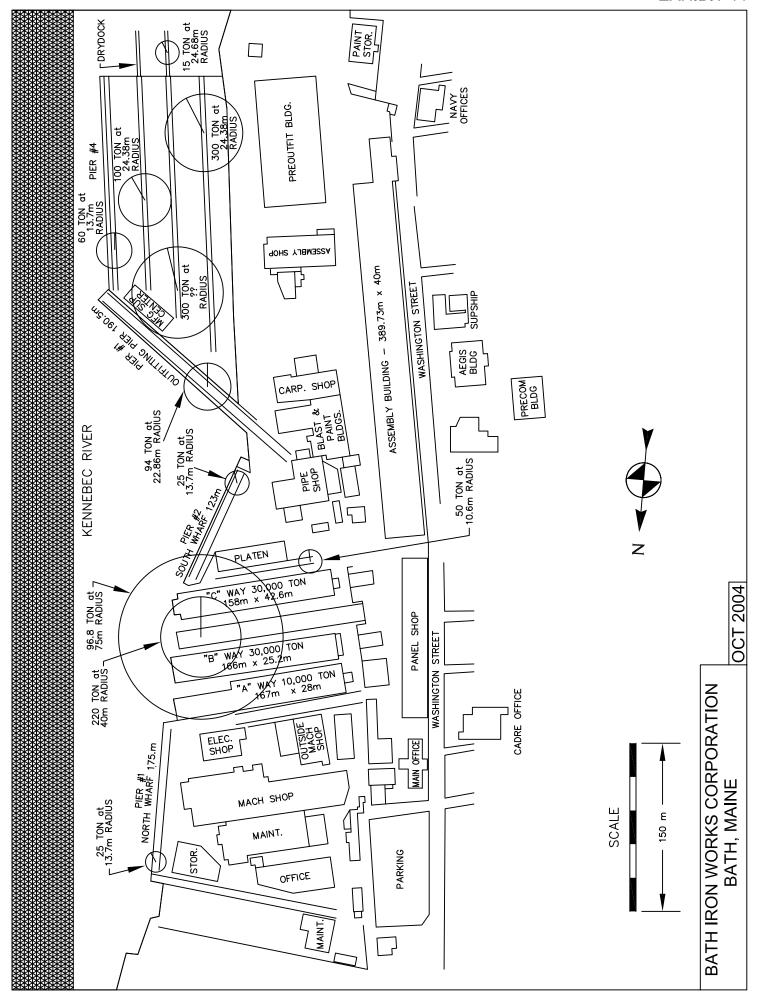
Bath Iron Works Corporation (BIW) is located on the Kennebec River in Bath, ME. The original iron foundry was established in 1826; it became Bath Iron Works Ltd in 1884, and the first ship was delivered in 1890. Since then, this shipyard has built over 230 U.S. Navy surface combatants and more than 160 commercial ships, including product tankers, containerships, roll-on/roll-off ships, private yachts and fishing vessels. BIW became a wholly owned subsidiary of General Dynamics Corporation in September 1995.

In 1973, BIW became the lead yard for the FFG-7 PERRY class frigate and delivered 24 of these ships. In 1982, the Navy selected BIW as the second-source shipbuilder for the AEGIS cruiser program. The company built eight CG-47 TICONDEROGA class cruisers and delivered the last one in 1993. In 1985, BIW won the competition for the design and construction of the U.S. Navy's DDG-51 ARLEIGH BURKE class AEGIS destroyers. The lead ship and 22 follow-on ships have been delivered since 1991. As of October 1, 2004, twelve DDG's were under contract. The last delivery is scheduled for 2010.

The facilities for new construction include two distinct configurations each consisting of three shipways. The first configuration consists of three shipways that reside on the land level transfer facility (LLTF) and can be used for both military and commercial shipbuilding. All three shipways on LLTF can accommodate ships of 243 meters in length with a maximum beam of 32 meters. Two of these shipways are serviced by two 300-metric ton whirley cranes. The third shipway is serviced by a 100-metric ton whirley crane. All cranes can be transferred by rail between all shipways. The second configuration consists of three inclined shipways; two can accommodate ships of 220 meters in length, one with a maximum beam of 30 meters and the other a maximum beam of 32 meters. These shipways are serviced by a 220-metric ton level-luffing crane. The third shipway, can handle a 210 meter ship with a beam of 26 meters. BIW has two principal structural assembly buildings. One building, which is 15,600 square meters, houses the panel line and has 15 workstations. The smaller one, which has 3,780 square meters, has 7 workstations. The pre-outfit building, 8,450 square meters, has 16 work stations and is used for equipment installation after units are blasted and painted. It is important to note, that while the inclined ways are a part of BIW's facilities, they are currently inactive. There are no plans to engage in construction or to revitalize the design and manufacturing processes required to build on our inclined ways.

BIW also operates three other industrial facilities.

As of mid-2004, the company had about 6,500 employees.



#### Bender Shipbuilding & Repair Company, Inc.

Bender Shipbuilding & Repair Co., Inc (BSR) is located on the Mobile River in Mobile, AL, about 48 kilometers from of the Gulf of Mexico. The original machine and welding shop was established in 1919. After decades of executing voyage repairs in the port, in 1952 BSR acquired a small dry-dock and moved into the repair and construction of tugs and barges. In the 1960's, BSR established itself as a builder, becoming the dominant supplier of vessels to the Pacific Northwest fisheries. Over the years, BSR has produced a great variety of vessels; including, offshore supply, casino, fishing, tugs, oil spill response, barges, patrol boats and other types of vessels for customers the world over.

With the addition of larger dry-docks, BSR moved further into the repair and conversion market with a multitude of contracts with U.S. and foreign flag commercial ship operators, the Maritime Administration, Army Corps of Engineers, US Navy, and the Military Sealift Command. Since 2000, BSR has performed a steady stream of Navy overhauls and repair, dry-docking and repair contracts and conversions. BSR achieved ISO 9001:2000 Certification in 2002.

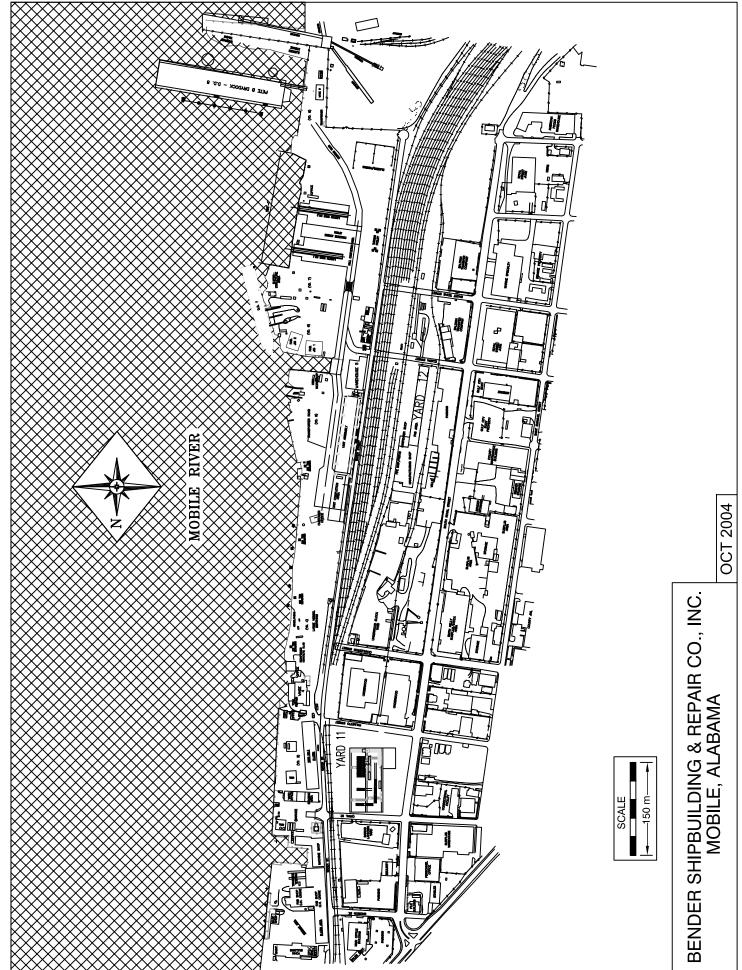
BSR's facilities stretch over a mile along the banks of the Mobile River. On the east bank, there is a repair operation with a 15,240-metric-ton dry-dock and a wet-berth suitable for Panamax–size vessels. The Corporate offices and the majority of the facilities, including three drydocks up to 24,350 ton capacity, are on the west bank adjacent to the City's downtown.

In the past five years, BSR has modernized its new construction facilities, beginning with a state-of-the-art steel processing facility. The facility features 2,400 square meters of covered steel plate storage area, capable of blasting plates up to 4 meters wide and a 175-ton iron worker. Plate cutting is done on a 81 meter by 4 meter cutting table serviced by two high-powered laser cutting systems (6kW and 4kW), while precision forming work is accomplished with an 1100-ton computer controlled press brake featuring a 7 meter CNC variable bottom die. The facility is managed with fully integrated shop floor management software utilizing state-of-the-art wireless communications. The steel processing facility delivers just-in-time parts to a panel line installed in 2001. The panel line features over 122 meters of semi-automated workstations on a mechanized roller table, with dedicated work cells for one-sided butt welding, stiffener fitting, an 8-headed stiffener welder and a girder fitting station.

BSR's main assembly shed was enhanced in 2000 and crane capacities were expanded. The main shed now includes 8 major workstations and a further expansion is planned.

The production processes are managed and controlled with a fully integrated fiber and wireless network throughout the yard, using state-of-the-art engineering, planning, scheduling and production support software tools. There are three launch positions that accommodate end translation to either a launch pontoon or one of BSR's larger dry-docks, the largest of which is capable of handling a 137 meter by 30 meter vessel. In recent years, over twenty vessels have been launched in this manner. The launch arrangement has also been used to roll vessels ashore for long-term conversion programs and re-float them at completion, thereby freeing the drydocks for other shorter-term work.

As of mid-2004, Bender Shipbuilding & Repair Co., Inc. employed about 800 personnel.



#### **Electric Boat Corporation**

Electric Boat Corporation (EB) is located on the Thames River in Groton, CT. Electric Boat is the primary design, construction, and life cycle support shipyard for U.S. Navy nuclear-powered submarines. A part of General Dynamics Corporation since 1952, the company was founded in 1899 to sell the Navy its first submarine, the HOLLAND. Since then, Electric Boat has delivered over half of all U.S. Navy submarines, including the USS CUTTLEFISH – the first welded submarine - in 1931, 85 fleet-type boats during World War II; the USS NAUTILUS - the first nuclear submarine - in 1954; and the USS GEORGE WASHINGTON - the first ballistic missile submarine - in 1959.

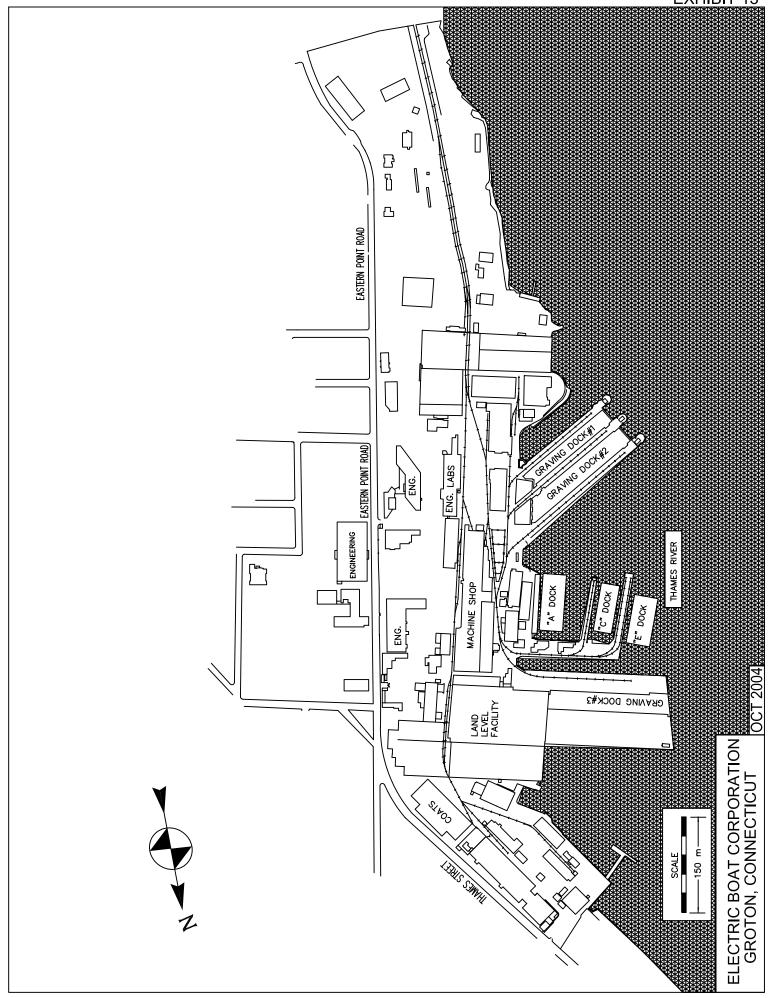
As of December 23, 2004, Electric Boat had delivered the third SSN-21 SEAWOLF class attack submarine, and the first of four SSN-774 VIRGINIA class new attack submarines. The company is also engaged in the repair of nuclear submarines both in Groton, CT and at other homeports.

Electric Boat operates two major manufacturing and construction sites - a 48 hectare shipyard facility with 1,365 meters of deep water frontage on the Thames River in Groton, CT, and a 40 hectare modular construction facility in Quonset Point, RI, fronting on Narragansett Bay. Completely outfitted submarine sections weighing up to 1,540 metric tons are shipped from Quonset Point to Groton via a heavy lift system consisting of multi-wheeled transporters and a unique jack-up barge. Electric Boat also has major engineering support offices in Bangor, WA, Kings Bay, GA, and Washington, DC, and prototype reactor service activities in West Milton, NY.

The Quonset Point facilities include an Automated Frame and Cylinder Facility, where 20 automated fixtures are used to produce thick-walled submarine sections to demanding dimensional tolerances, and extensive steel fabrication, machine, pipe, electrical, and HVAC shops which support the modular outfitting of these sections.

Groton facilities include the principal research, engineering, and design activities, as well as shipyard operations centered around the land level submarine construction facility (LLSCF), which is capable of producing up to three submarines per year, and served by heavy-lift cranes capable of combined lifts up to 616 metric tons. There are three graving docks: GD1 and GD2 are used primarily for submarine repair and post-sea trial dockings; and, GD3, used to launch ships up to 197 meters in length and 19,250 metric tons from the LLSCF. Graving Dock #3 is presently not available due to extensive modifications and upgrades. This Graving Dock will be available mid-February 2006. Two wet berth positions with portal cranes ranging from 75 to 300 tons can accommodate vessels up to 229 meters long and drawing 12 meters.

As of mid-2004 Electric Boat had approximately 9,700 employees.



# Kvaerner Philadelphia Shipyard Inc.

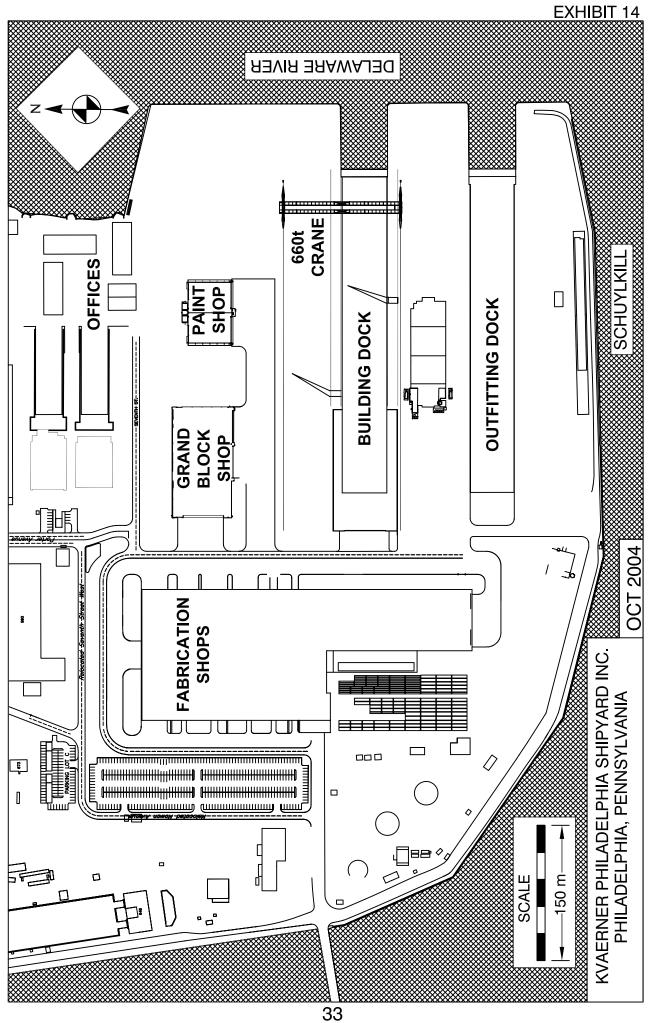
Kvaerner Philadelphia Shipyard Inc. (KPSI) is a newly constructed mid-sized shipyard located in Philadelphia, PA. KPSI is capable of constructing all types of vessels, but has chosen to focus exclusively on commercial vessels for the U.S. domestic market, primarily container vessels and tankers between 40,000 deadweight (dwt) and 100,000 dwt.

The immediate future of the new shipyard is to design and construct containerships for the U.S. Jones Act Market. The first Philadelphia Class CV2600 Containership was delivered in September 2003 to Matson Navigation Company and was deployed in their Hawaiian service. The second Philadelphia Class CV2600 Containership was delivered in July 2004. A third and fourth containerships are planned for delivery in May 2005 and April 2006, respectively.

The yard is equipped to build Ro/Ro's, as well as crude and product tankers, which present significant fleet replacement opportunities over the next decades. From a size viewpoint, ships up to 300 meters by 42 meters can be constructed, both Handymax (40,000 - 50,000 dwt) and Panamax (65,000 - 75,000 dwt) being the prime tanker target. Containerships of 2,000 - 3,000 twenty-foot equivalent units (TEU) are considered the optimum size.

Occupying 46 hectares of the former Philadelphia Naval Shipyard, KPSI has implemented state-of-the-art facilities based on Kvaerner's European shipbuilding experience. The shipyard has two of the largest graving docks on the East Coast, measuring 335 meters long and 45 meters wide with an intermediate gate and skidding system. KPSI's facilities include a gantry crane capable of lifting 660 tons and two 50-ton cranes. All three cranes serve one of the graving docks, or the Building Dock, where construction of the ship is completed. The second dock is used as an Outfitting Dock. The fabrication and panel shops occupy 39,800 square meters, the grand block shop is 7,900 square meters and two fully equipped paint shops each capable of holding a 600-ton grand block. KPSI also has two heavy lift transports capable of lifting 420 tons each.

As of mid-2004 the total labor force was approximately 800 people.



## National Steel and Shipbuilding Company

National Steel and Shipbuilding Company (NASSCO), the largest shipbuilder on the West Coast, serves both commercial and U.S. Navy shipbuilding, conversion, and repair markets. The current company was formed as a business entity in 1959 and occupies 59 hectares on the harbor in San Diego, CA. In November 1998, NASSCO was purchased by General Dynamics and became part of the General Dynamics Marine Group.

Commercial ships designed and constructed at NASSCO include oil tankers and product carriers, very large crude carriers up to 209,000 dwt, a 1,910 TEU containership, and, most recently, two 256 meter by 36 meter twin-shaft, electric-drive trailerships for Totem Ocean Trailer Express' service from Tacoma, WA to Anchorage, AK.

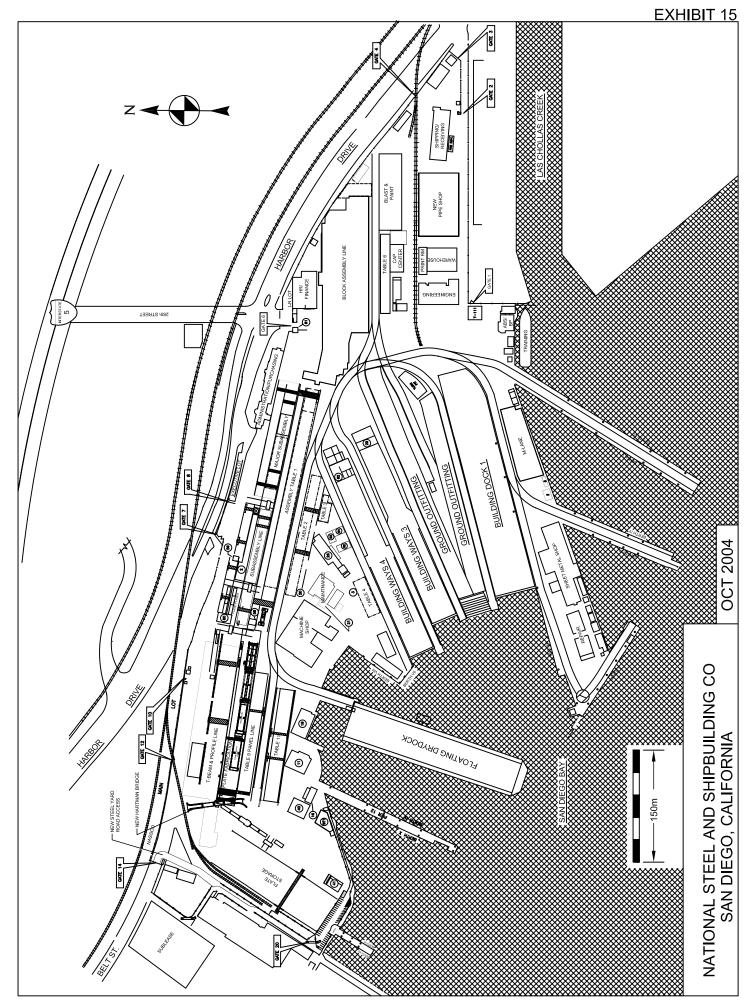
For the U.S. Navy, NASSCO specializes in auxiliary and support ships such as combat stores ships (AFS), destroyer tenders (AD), fast combat support ships (AOE), and strategic sealift roll-on/roll-off ships (T-AKR). Conversion projects include the two 90,000 dwt tankers to 1,000 bed Navy hospital ships (T-AH), strategic sealift and maritime prepositioning ships (T-AK/T-AKRs), and three Maersk Line L-Class containerships to strategic sealift large medium speed RO/ROs (LMSRs).

As of October 1, 2004, NASSCO's backlog included three 185,000 dwt double-hull crude carriers for BP Alaska Shipping and the first six of a potential eleven dry cargo/ammunition (T-AKE) ships, a new class of underway replenishment ships for the Navy. NASSCO also has multi-year contracts for the repair and maintenance of the Navy's San Diego based CG-47s, FFG-7s, LHAs, and LHDs.

NASSCO's ship construction facilities include a graving dock that can accommodate vessels up to 303 meters by 51 meters and two inclined building ways for up to Panamax-size vessels (290 meters by 34 meters). Two new 300-ton heavy-lift portal cranes have been installed that can now provide combined lifts up to 560 tons. Berthing is available at eight full-service berths for ships with drafts up to 11 meters and lengths up to 305 meters. NASSCO also operates a floating drydock with an ABS-certified lift capacity of 43,656 long tons for ships up to 290 meters by 41 meters.

During 2000-2003, General Dynamics and NASSCO invested more than \$100 million in facilities upgrades to increase steel throughput and reduce construction durations. In addition to the two new 300 ton heavy-lift cranes, a new automated block assembly line, T-beam and profile line, and pipe shop have been constructed. This increased the company's steel fabrication and assembly capacity to more than 1,700 tons per week. NASSCO offers full-service marine engineering and naval architecture utilizing the latest commercial computer-aided design technology such as AutoCAD, Microstation, and TRIBON.

As of mid-2004, NASSCO's total employment was about 4,000.



# Northrop Grumman Ship Systems - Avondale Operations and Ingalls Operations

Northrop Grumman Ship Systems has two geographic locations: Avondale Operations (Avondale) located on the west bank of the Mississippi River approximately 22 kilometers upriver from New Orleans, LA; and Ingalls Operations (Ingalls) located on the Gulf of Mexico in Pascagoula, MS. Northrop Grumman Ship Systems has diversified shipbuilding facilities with an abundance of experience in the design, engineering, construction, conversion, overhaul, repair, fleet support of Navy warships and auxiliaries as well as commercial ships, offshore drilling rigs, platforms, and production modules.

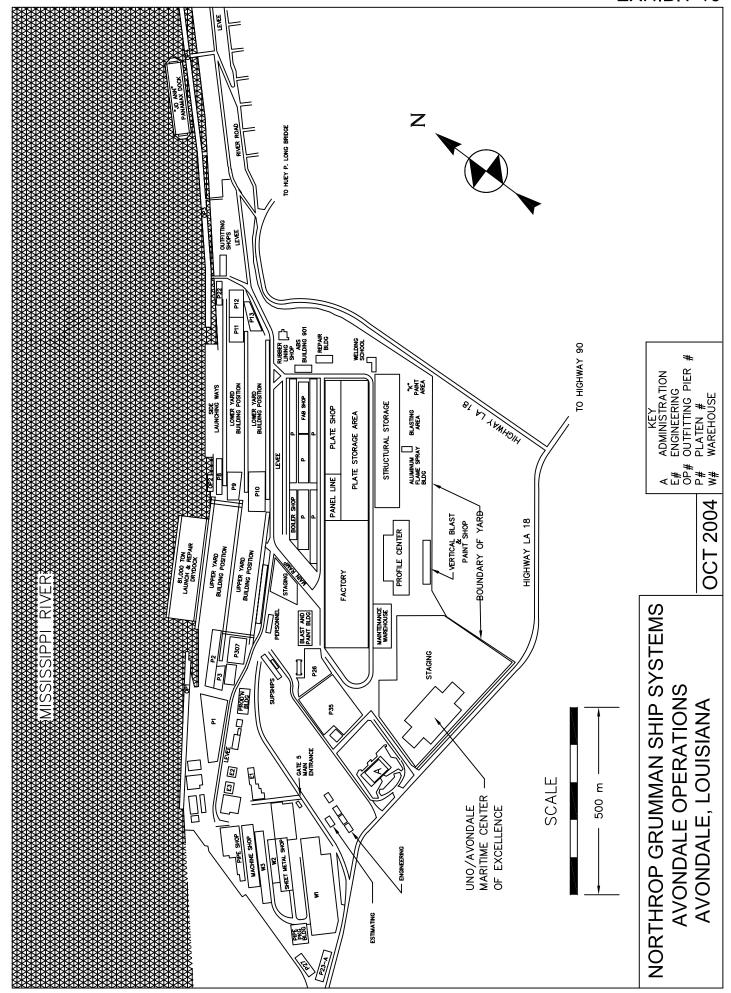
As of October 2004, the Northrop Grumman Ship Systems orderbook, including both Avondale and Ingalls facilities, consisted of: seven DDG-51 Class Guided Missiles Destroyers; one LHD-1 Class Amphibious Assault Ship; five LPD-17 Class Amphibious Assault Ships; one Coast Guard cutter (WMSL); one TAPS Trade Crude Oil Tanker.

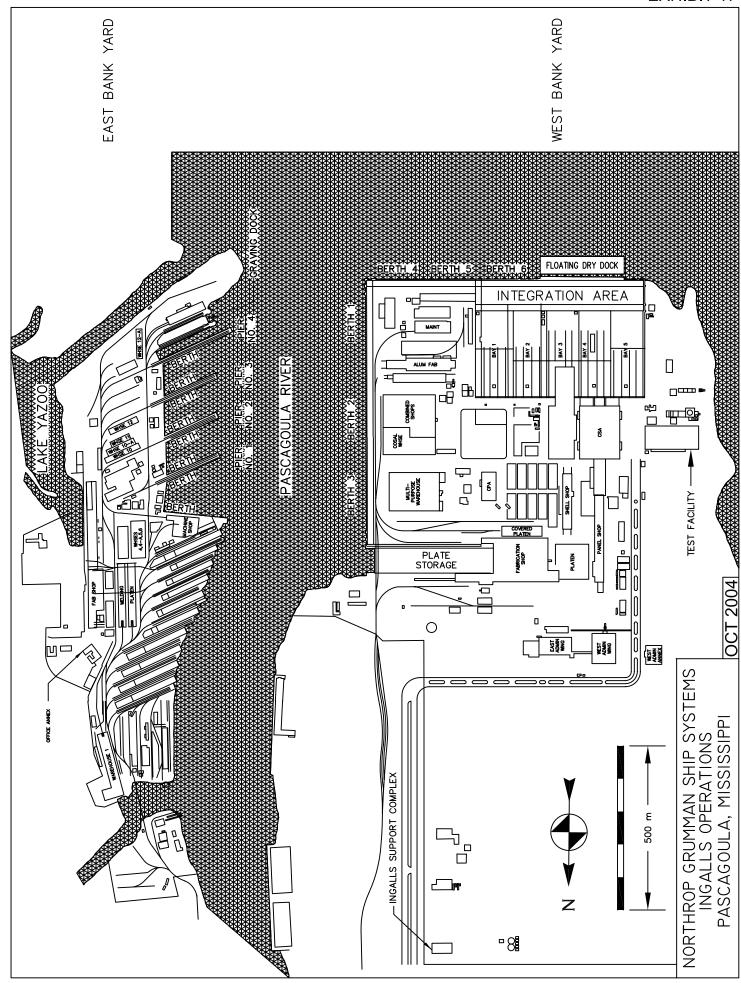
Avondale facility totals 108 hectares containing three outfitting docks equipped with supporting shops and over 1,431 square meters of pier space. The upper yard shipbuilding area has two large positions to accommodate vessels up to 311 meters by 53 meters. The major part of one ship can be erected stern of a second ship in Position No. 1, while a third hull is being completed on Position No. 2. Ships constructed in the upper yard move laterally in three positions for launching in Avondale's 81,000-ton floating drydock, which can accommodate ships 305 meters by 66 meters, with a lift capacity of 82,296 metric tons. The lower yard shipbuilding area with side launching capabilities can accommodate vessels totaling 366 meters by 53 meters. Up to five vessels, greater than 213 meters length overall can be constructed simultaneously in the lower yard shipbuilding area. The 13,000-ton Panamax floating drydock, which can accommodate ships up to 229 meters by 35 meters, has a lifting capacity of 19,000 metric tons.

Ingalls' West Bank facility totals 243 hectares and is geared to assembly-line construction. Fabricated steel and subassemblies are brought from various shops to the subassembly area where they are erected and pre-outfitted, then moved to the module assembly area. These areas are divided into five major bays or process lines that can produce 5,447 metric ton modules. After assembly and outfitting, the modules are moved to a floating drydock that is subsequently moved to a deep-water area where the ship is ballasted and launched. The drydock can launch or recover a maximum ship size of 305 meters by 53 meters and 38,100 metric tons. Approximately 1,432 meters of berthing space, serviced by cranes with a capacity of 272 metric tons, are available for outfitting. About 16,721 square meters of the shipyard slab area is roofed for early outfitting.

Ingalls' older East Bank facility has one pier in operation, providing 457 meters of berthing space serviced by cranes with 54 metric ton lifting capacity for outfitting and topside repair.

As of mid-2004, Northrop Grumman Ship Systems employed a total labor force of approximately 20,800.





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## Northrop Grumman Newport News Shipbuilding

For more than a century, Newport News Shipbuilding has designed, built, overhauled and repaired a wide variety of ships for the U.S. Navy and commercial customers. Today, Newport News is the nation's sole designer, builder and refueler of nuclear-powered aircraft carriers and one of only two companies capable of designing and building nuclear-powered submarines. The company also provides after-market services for a wide variety of naval and commercial vessels.

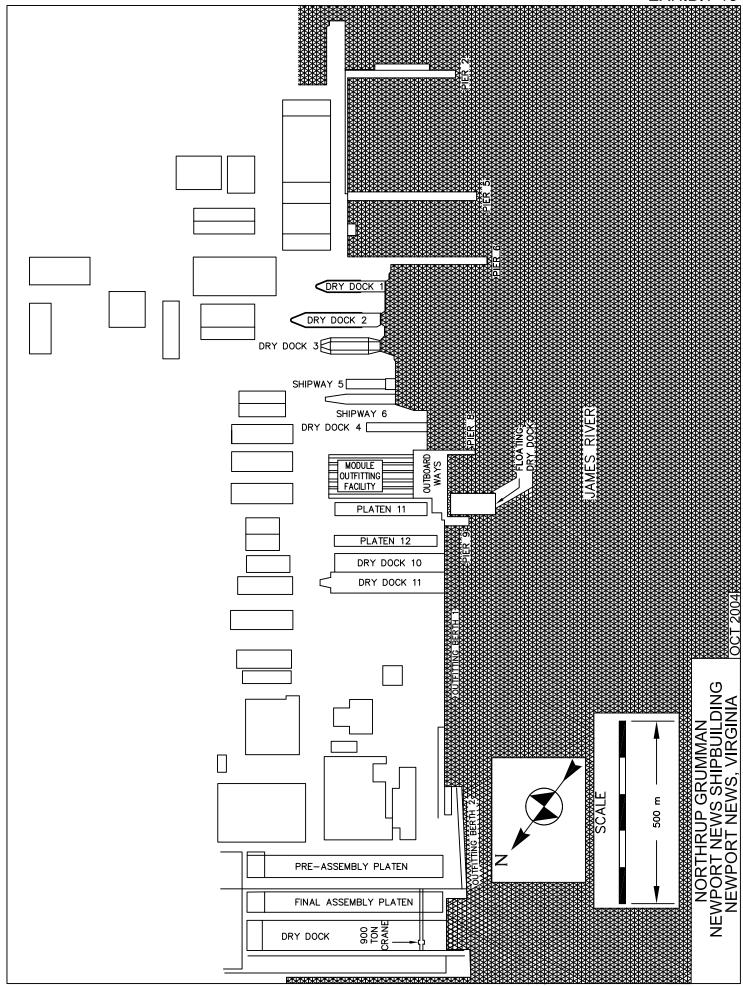
With vast facilities located on more than 223 hectares along two miles of waterfront in Newport News, VA, the company has the capability to design, build and maintain every class of ship in the U.S. Navy's fleet.

Included in Newport News's major facilities are:

<u>Docks</u> - There are 6 landside drydocks and one floating drydock. Drydock 12, the largest building basin in the nation, can accommodate vessels up to 661 meters in length by 75 meters beam. An intermediate gate will permit the simultaneous work on two major ships in the drydock. A 900-metric ton gantry crane, one of the largest in the Western Hemisphere, services Drydock 12 and can handle completely outfitted assemblies. Drydocks 10 and 11, which are serviced by a 310-long ton gantry crane, can be used for construction work, but are used primarily for ship overhaul, repair and deactivation. Drydocks 1, 2 and 4 are used mainly for ship repair and overhaul, and the floating drydock, which is 195 meters by 41 meters, supports submarine construction from the Module Outfitting Facility (MOF). The floating drydock is currently out of service, undergoing a long-term overhaul, and is scheduled to be back in service by June 2004.

<u>Vessel Berthing</u> - Newport News has two outfitting berths totaling 799 meters each serviced by 30-metric ton cranes. There are three piers totaling 1,944 meters of berthing space and serviced by cranes with capacities of up to 50 metric tons, plus two small service piers at the MOF.

As of mid-2004, Newport News employed a total labor force of approximately 18,800.



### VT-Halter Marine Pascagoula

The VT-Halter Marine Pascagoula (VTHM) shipyard was acquired by Halter in November 1995 and is located in Pascagoula, MS. The shipyard consists of approximately 36 hectares of property and has the capacity to build and service vessels up to 244 meters of length by 35 meters beam and 0.6 meters of water depth with unlimited height.

The existing major facilities consist of over 914 meters of bulkhead waterfront, 213 meters of steel bulkhead wet dock space and an unobstructed access to the Gulf of Mexico. The yard has over 3,902 square meters of under-cover production facilities divided between a fabrication shop, machine shop, paint shop, maintenance shop and warehouse. The yard has a 274-meter slip for wet dock work and a 304-metric ton shore mounted crane, three crawler cranes and two-rack mounted gantry cranes.

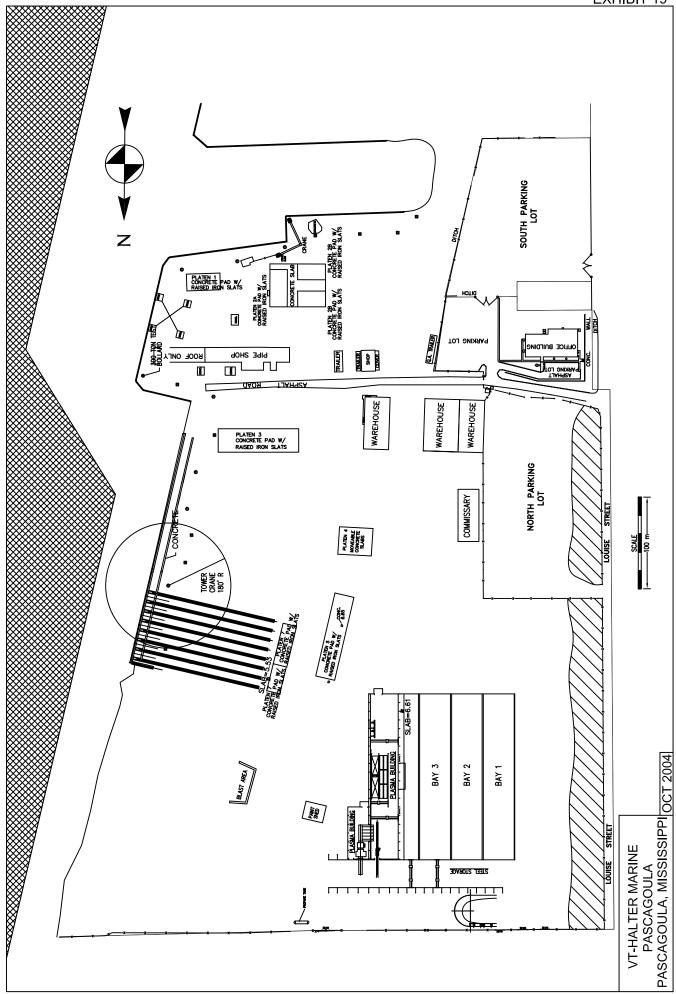
In July 2004, VTHM began to implement a two million dollar investment in capital improvements at its Pascagoula Operations. This investment represents the third phase of a \$20 million, three-phase expansion program initiated shortly after acquisition of the yard in 1995.

Currently, launchway enhancements are underway to enable side launching of vessels in excess of 183 meters in length and over 14,560 short tons. This includes installation of 213 meters of bulkheads; over 906 cubic meters of dredging and the installation of 35 concrete pilings to support the tilt-style launch beams.

Additional improvements being made at the Pascagoula Operations will also include a 183 meter by 122 meter wide vessel horizontal translation system.

The VT-Halter Marine Pascagoula shipyard is currently involved in support work for NOAA and LSV construction projects underway at VT-Halter Moss Point Shipyard.

As of mid-2004, employment at VT-Halter Pascagoula was about 320.



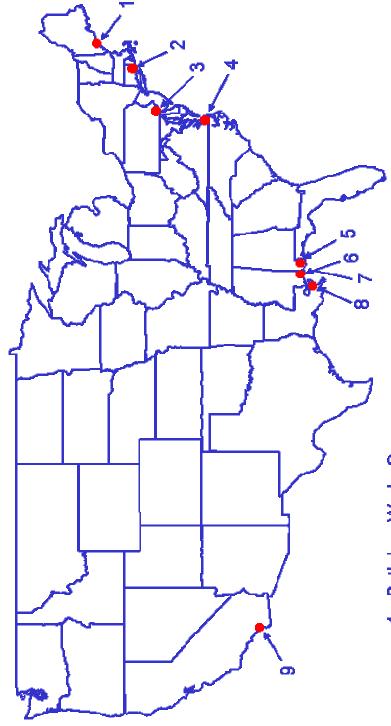
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# SHIPBUILDING INDUSTRY AND ACTIVITIES

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# **MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES**

# Active Shipbuilding Yards

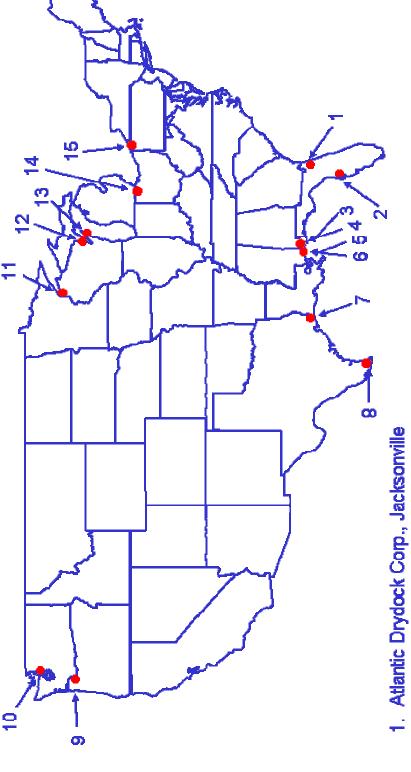


- Bath Iron Works Corp.
- Electric Boat Corp.
- Kvaerner Philadelphia Shipyard, Inc.
- 4. Northrop Grumman Newport News
- Bender Shipbuilding and Repair Company, Inc.
   VT Halter Marine Pascagoula
   Northrop Grumman Ship Systems Ingalls Operations
- Northrop Grumman Ship Systems Avondale Operations
   National Steel and Shipbuilding Co.

# 2004

# MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES





- Tampa Bay Shipbuilding & Repair Co. લં છે
  - Austal USA
- Alabama Shipyard, Inc 4
- VT Halter Moss Point ល
- Signal International, LLC East Yard
- United Marine Enterprises, Inc., Port Arthur Shipyard ø №
- Gunderson, Inc. ത് ത്
- Keppel AmFELS, Inc.

- Todd Pacific Shipyards Corporation
  - Fraser Shipyards
- **ndustrial Products Division** Metro Machine Corporation,
- Marinette Marine Corporation Toledo Ship Repair, Co. Bay Shipbuilding Co.

# U.S. COMMERCIAL SHIPBUILDING ORDERBOOK

At the end of 2004, the orderbook for commerical oceangoing ships consisted of the following: two 32,000 GT containerships at Kvaerner Philadelphia, Philadelphia, PA; three 106,968 GT product tankers at National Steel Shipbuilding, San Diego, CA; one 88,187 GT crude carriers at Northrop Grumman Ship Systems, Avondale Operations, New Orleans, LA; and one 37,237 GT car/truck carrier at VT-Halter Marine Pascagoula, Pascagoula, MS. The orderbook has a total estimated value of almost \$1.2 billion.

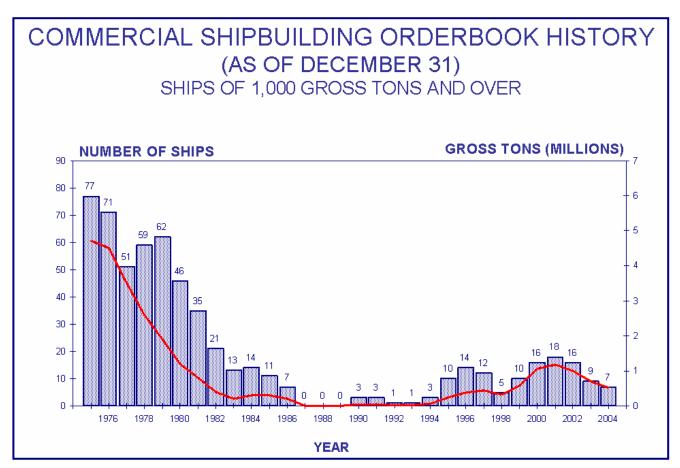
U.S. COMMERCIAL ORDERBOOK (as of December 31, 2004)								
SHIPYARD	NUMBER	SHIP TYPE	GROSS TONS	CONTRACT DATE	LAST DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)		
VT - Halter Marine, Pascagoula	1	Car/Truck Carrier	37,237	12/14/1999	04/15/2005	\$ 70.1		
Kvaerner, Philadelphia	2	Containership	32,000	01/24/2000	09/30/2006	\$ 294.0		
National Steel and Shipbuilding	3	Product Tanker	106,968	09/15/2000	07/27/2006	\$ 630.0		
Northrop Grumman, Avondale	1	Crude Carrier	88,187	06/30/1997	09/30/2005	\$ 205.5		
	7 Ships					\$ 1,199.6		

# U.S. COMMERCIAL SHIP CONSTRUCTION

As of December 31, 2004, the U.S. commercial shipbuilding orderbook consisted of 7 oceangoing commercial vessels as shown in Exhibit 22.

These vessels are being financed in several different ways from the Title XI program and the Capital Construction Fund, both managed by the Maritime Administration, to private financing secured by the vessel owners. These vessels will all be eligible for the Jones Act, which will allow them to trade in the United States.

The exhibit below (Exhibit 23) shows the end year commercial ship construction orderbook since 1975.

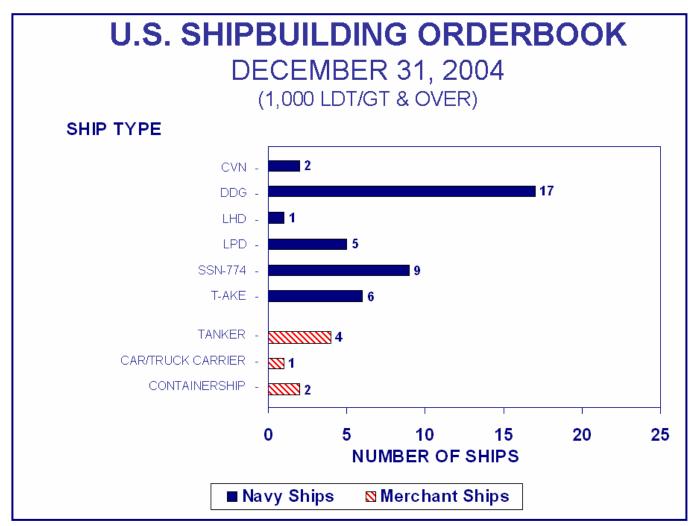


# AGGREGATE U.S. SHIPBUILDING ORDERBOOK

As of December 31, 2004, ships on order or under construction in U.S. private shipyards totaled 40 naval and 7 commercial vessels (Exhibit 24). This orderbook includes naval vessels, 1,000 light displacement tons (LDT) and larger and commercial oceangoing ships, 1,000 GT and larger.

Eight shipyards had contracts for the construction of naval and commercial vessels. The naval shipbuilding orderbook, which was comprised of six different types of vessels, included 32 ships scheduled for delivery in 2006 and later. Four shipyards had orders for a total of 7 commercial ships with five scheduled to be delivered during 2005 and two in 2006.

Exhibit 24



# OVERALL NEW U.S. SHIPBUILDING ORDERS

During 2004, U.S. shipyards received no new orders for the construction of oceangoing commercial vessels, but did receive orders for ten new naval vessels (Exhibit 25).

During 2004, the Navy awarded the following contracts: one Aircraft Carrier (CVN); six nuclear submarines (SSN); two Combat Logistics vessel (T-AKE); and one Destroyer (DDG).

NEW SHIPBUILDING ORDERS - 2004								
as of December 31, 2004 (1,000 GT or LDT and OVER)								
	(1,000 G1	OI	LDT an	ia OVER	)			
SHIPYARD	DESIGN TYPE	CO PRI	PROXIMATE NTRACT ICE Millions)	E ESTIMATED LDT / GT	CONTRACT ) AWARD DATE	ESTIMATED DELIVERY DATE		
COMMERCIAL SHIPS								
NAVAL SHIPS								
Electric Boat / Newport News Electric Boat / Newport News	SSN 778 SSN 779	\$	1,450.0 1,412.0	6,403 LE 6.403 LE		TBD TBD		
Electric Boat / Newport News	SSN 780	\$ \$	1,412.0	6,403 LE		TBD		
Electric Boat / Newport News	SSN 781	\$	1,412.0	6,403 LE		TBD		
Electric Boat / Newport News	SSN 782	\$	1,412.0	6,403 LE		TBD		
Electric Boat / Newport News	SSN 783	\$	1,412.0	6,403 LE		TBD		
National Steel & Shipbuilding	T-AKE 5	\$	289.1		OT 01/27/2004	05/15/2007		
National Steel & Shipbuilding	T-AKE 6 CVN-78	\$ \$	289.1 1,386.0	17,871 LE 91,487 LE	OT 01/27/2004 OT 05/21/2004	07/15/2007 06/15/2014		
Newport News Shipbuilding Northrop Grumman, Ingalls	DDG 110	\$	470.0	91,467 LE 8,344 LE		03/15/2014		
	10 Ships	\$	10,944.2	173,991 LE	DT			

# U.S. COMMERCIAL SHIP DELIVERIES

During 2004, U.S. shipyards delivered two commercial oceangoing ships (Exhibit 26). Northrop Grumman Ship Systems, Avondale Operations, New Orleans, Louisiana delivered the fourth of a series of 88,187 GT crude tankers to Polar Tankers and Kvaerner, Philadelphia Shipyard, Philadelphia, Pennsylvania delivered its second commercial ship, a 32,000 GT 2,600 TEU containership, to Matson Navigation.

### Exhibit 26

# COMMERCIAL OCEANGOING VESSELS DELIVERED - 2004

December 31, 2004 (1,000 GT and OVER)

SHIPYARD	DESIGN TYPE	VESSEL NAME	GROSS TONS	CONTRACT DELIVERY DATE	PRICE (IN Millions)
Northrop Grumman, Avondale Kvaerner, Philadelphia	Crude Tanker Containership	POLAR DISCOVERY MANUKAI	88,187 32,600	07/21/2003 09/05/2003	\$168.0 \$138.3
	2 Ships		242,555		\$606.3

# U.S. NAVAL SHIP DELIVERIES

During 2004, U.S. private shipyards delivered seven new naval vessels, 1,000 LDT and larger. The naval vessels delivered totaled approximately 56,476 LDT and had an initial contract value estimated to be \$4.4 billion (Exhibit 27).

Two different types of naval ships were delivered by three shipyards 5 - guided missile destroyers (DDG) and 2 nuclear submarines (SSN).

Exhibit 27

# NAVY CONSTRUCTION VESSELS DELIVERED - 2004

December 31, 2004 (1,000 LDT and OVER)

SHIPYARD	SHIP CLASS and HULL NUMBER	ESTIMATED VESSEL NAME	LDT	DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Electric Boat	SSN 23	JIMMY CARTER	6,956	12/08/2004	\$ 1,750.0
Bath Iron Works	DDG 92	MOMSEN	8,344	04/23/2004	\$ 333.0
Bath Iron Works	DDG 94	NITZE	8,344	10/29/2004	\$ 333.0
Northrop Grumman, Ingalls	DDG 91	PINCKNEY	8,344	01/12/2004	\$ 350.0
Northrop Grumman, Ingalls	DDG 93	CHUNG-HOOON	8,344	05/24/2004	\$ 310.0
Northrop Grumman, Ingalls	DDG 95	JAMES E WILLIAMS	8,344	08/23/2004	\$ 310.0
Electric Boat	SSN 774	VIRGINIA	7,800	06/30/2004	\$ 1,050.0
	7 Ships		56,476		\$ 4,436.0

# U.S. NAVY'S T-SHIP PROGRAM

The Navy's T-ship program is an important segment of ship construction and conversion activity for U.S. shipyards. T-ships are auxiliary vessels funded by the Navy budget but designed to be civilian-manned and under the control of the Military Sealift Command. Since mid-1979, 16 U.S. private shipyards have been awarded contracts for the construction of 76 new ships and the conversion of 36 existing vessels. The initial contract value for these vessels totaled approximately \$11.6 billion.

During 2004, there were two new orders for T-ships placed with a U.S. shipyard: The *Lewis and Clark-class* T-AKE is a Combat Logistics Force (CLF) Underway Replenishment Naval vessel intended to replace the current capability of the Kilauea-Class (T-AE 26) Ammunition Ship. The T-AKE Program calls for 12 ships and has a budget of approximately \$4 billion.

As of December 31, 2004, six T-ships were under construction or on order at one shipyard (Exhibit 28). The value of this orderbook is approximately \$1.9 billion.

Exhibit 28

# T-SHIPS ON ORDER OR UNDER CONSTRUCTION (as of December 31, 2004)

	SHIP CLASS			APPROXIMATE CONTRACT
	and		DELIVERY	PRICE
SHIPYARD	HULL NUMBER	VESSEL NAME	DATE	(In Millions)
National Steel and Shipbuilding	T-AKE 1	LEWIS AND CLARK	05/17/2005	\$ 406.9
National Steel and Shipbuilding	T-AKE 2	SACAGAWEA	01/15/2006	\$ 301.6
National Steel and Shipbuilding	T-AKE 3	- unnamed -	05/23/2006	\$ 289.9
National Steel and Shipbuilding	T-AKE 4	- unnamed -	12/15/2006	\$ 288.0
National Steel and Shipbuilding	T-AKE 5	- unnamed -	05/15/2007	\$ 289.1
National Steel and Shipbuilding	T-AKE 6	- unnamed -	07/15/2007	\$ 289.1
	6 Shine			¢ 1 864 6

# PROJECTED U.S. NAVY SHIPBUILDING PLAN

The U.S. Navy shipbuilding plan for fiscal years 2005 - 2009 includes the construction of 46 new ships (Exhibit 29). More than \$85 billion is proposed for this plan. Shipyard contract value accounts for about a third of this amount, while the remainder is attributed to Government-furnished equipment placed aboard the vessels and to other Government program costs.

The Navy's proposed FY 2005 - 2009 shipbuilding program represent a continued increase in the amount of new shipbuilding work available to the nation's industrial base. This program, with an average of almost nine new ships per year, represents a 5.8 percent increase in the quantity of ships being procured as compared to the 2004-2009 plan.

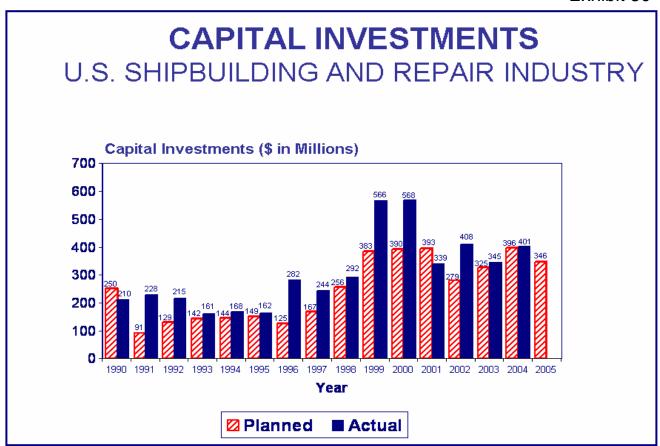
The Navy's plan includes the construction of 11 guided missile destroyers (DDG-51 / DD(X)), 6 attack submarines (SSN) and 5 amphibious transport ships (LPD). These three shipbuilding programs will probably utilize more than 75 percent of the available new construction funding.

NAVY SHIPBUILDING PLAN Fiscal Years 2005 - 2009						
Ship Class	2005	2006	2007	2008	2009	Total
New Construction						
CVN	_	_	1	_	_	1
SSN-774	1	1	1	1	2	6
DD(X)	1	-	2	2	3	8
DDG-51	3	-	-	-	-	3
LCS	1	1	1	3	6	12
LHA	-	-	-	1	-	1
LPD	1	1	1	1	1	5
MPF	-	-	1	-	2	3
MPF (Aviation)	-	-	-	-	1	1
T-AKÉ	2	1	1	-	-	4
T-AOE	-	-	-	-	2	2
Total	9	4	8	8	17	46

# CAPITAL INVESTMENT IN U.S. SHIPBUILDING

During FY 2004, the U.S. ship construction and ship repair industry invested more than \$401 million in the upgrade and expansion of facilities (Exhibit 30). Much of this investment was to improve efficiency and competitiveness in the commercial shipbuilding arena. Improvements were made to update and convert shipyard facilities to be more commercially viable. Examples of recent capital investments are new pipe and fabrication shops, drydock extensions, military work enhancement programs, automated steel process buildings and expanded design programs. Many of these improvements have been necessary due to the increased utilization of U.S. shipyards, particularly those along the Gulf Coast, resulting from the resurgence of the Oil Patch Industry.

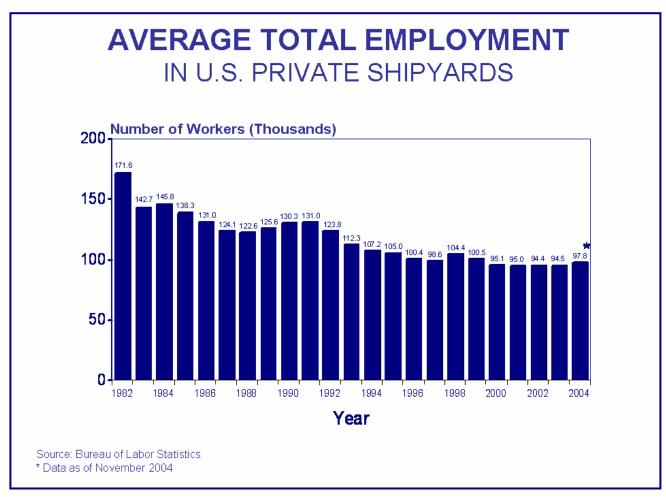
In 2005, the industry plans to spend about \$364 million in the upgrade and expansion of facilities, according to data received by the Maritime Administration. The industry's capital investments since 1970 have totaled approximately \$9.3 billion. The actual expenditures between 1985 and 2004, with the exception of 1990 and 2001, have consistently exceeded those planned.



# TOTAL EMPLOYMENT IN U.S. PRIVATE SHIPYARDS

According to employment data published by the Bureau of Labor Statistics (BLS), U.S. Department of Labor, under the Standard Industrial Classification (SIC) Code 3731 (Shipbuilding and Repairing), the average total employment in U.S. private shipyards for 2004 was 97,800 (Exhibit 31). This total reflects an increase of approximately 3.6 percent, from the 2003 revised average total employment for the shipbuilding and repairing industry.

Since the early 1980's, the long-term trend for employment in the U.S. private shipbuilding and repair business has been lower, despite slight increases experienced this year as well as in 1989-1991, and in 1998. The 2004 employment level in the U.S. shipbuilding and repairing industry is down 43 percent from the 1982 level of 171,600 people.

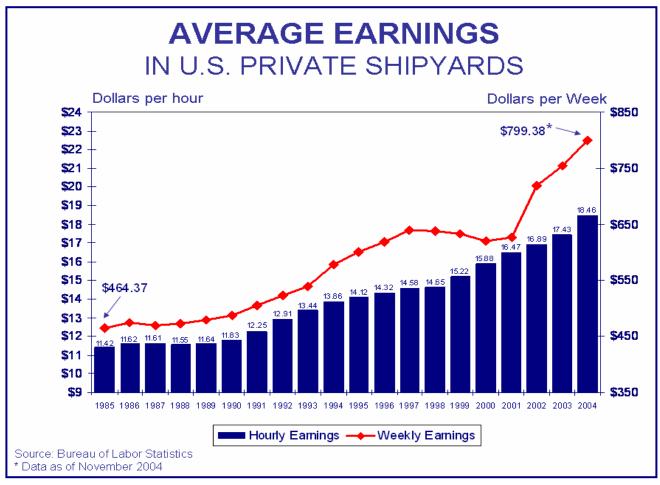


# AVERAGE EARNINGS IN U.S. PRIVATE SHIPYARDS

Average hourly earnings in the U.S. private shipyards are presented on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime and late-shift work, as well as changes in output for workers paid on an incentive plan. Averages of hourly earnings differ from wage rates. Earnings are the actual return to the workers for a stated period of time; rates are the amount stipulated for a given unit of work or time. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings, but also by changes in the length of the workweek.

The annual average earnings of the private shipyards in the United States from 1985 through 2004 show an increase from \$11.42 to \$18.46 (Exhibit 32). During the same period, the average weekly earnings rose from \$464.37 to \$799.38.

Exhibit 32



# SHIPYARD ACTIVITY REPORT SUMMARY 2004

### 600

# SHIPYARD ACTIVITY REPORT SUMMARY SHIPYARD ORDERBOOK AS OF DECEMBER 31, 2004

SHIPS UNDER CONSTRUCTION	Area	Cargo	Roll-On / Roll-Off	Container	Barge Carrier	Tug / Barge	Tanker	Ore/Bulk	Govt.*	T-Ships	Other Vessels
East Coast 4 18 Gulf Coast 56 3 - 25 1 123 West Coast 8 4 - 23 3 22 Great Lakes and Inland 6 - 127 - 26  TOTAL 74 7 - 175 4 189  SHIPS UNDER CONVERSION  East Coast											
West Coast	East Coast	-	-					-	-	-	18
Great Lakes and Inland	Gulf Coast	-	-	-	-	56	3	-	25	1	123
And Inland   -   -   -   -   6   -   -   127   -   26	West Coast	-	-	-	-	8	4	-	23	3	22
SHIPS UNDER CONVERSION		1	-	-	ı	6	-	-	127	-	26
SHIPS UNDER CONVERSION	TOTAL	-	-	-	-	74	7	-	175	4	189
East Coast       -					SHIPS UND	ER CONVE	ERSION				
Gulf Coast       -	East Coast	_	_					_	_	_	_
West Coast       -		-	-	-	-		-	-	-	-	_
and Inland											
	West Coast	-	-	-	-	-	-	-	-	-	-
TOTAL   -   -   -   -   -   -   -   -   -	Great Lakes										
	Great Lakes	-	-	-	-	-	-	-	-	-	-

### **CONTRACTS FOR NEW VESSELS (January 2004 – December 2004)**

A & B Industries 1 Tug All American Marine, Inc. 1 Passenger Vessel 1 High Speed Catamaran Allen Marine, Inc. 1 Ferry Catamaran Keppel AMFELS, Inc. 1 Semi-Submersible Missile Detection Unit Atlantic Dry Dock Corporation - Jacksonville 1 Hydro-Dump Barge Austal USA 1 High Speed Pass/Vehicle Catamaran 1 High Speed Boat **Basic Marine** 1 Fisheries Research Vessel Bay Shipbuilding Company 3 Double Hull Hot Oil Tank Barges 1 ATB Tua Bender Shipbuilding and Repair Company 1 Crane Barge **Blount Boats** 1 Trash Skimmer Boat 1 Cargo/Passennger Ferry 1 Dinner/Cruise Ferry Bollinger Gretna, LLC 1 Double Hull Oceangoing Barge Breaux's Bay Craft, Inc. 1 Crew Boat **Burger Boat Company** 2 Yachts C & G Boat Works 3 Supply Vessels Conrad Industries - Aluminum 1 Crew/Supply Boat Conrad Shipyard, Inc. 2 Deck Barge 1 Crane Barge Dakota Creek Industries, Inc.

1 Ferry (Catamaran)

**Derecktor Shipyards Connecticut** 4 Passenger Ferries 2 Fast Passenger Ferries Gladding-Hearn Shipbuilding 5 Aluminum Pilot Boats 1 Fast Ferry Gulf Craft, Inc. 2 Aluminum Crew/Supply Boats 1 Aluminum Passenger Catamaran Gunderson, Inc. 3 Double Hull Tank Barges 3 Oceangoing Deck Cargo Barges Hope Services, Inc. 2 Push Boats Island Boats, Inc. 1 Aluminum Catamaran 2 Landing Crafts 3 Passenger Catamaran 4 Tenders Jeffboat, LLC 1 Ocean Tank Barge 18 Inland Tank Barges Keith Marine, Inc. 1 Dinner Cruise Boat Kennedy Ship and Repair 1 Patrol Boat Kody Marine, Inc. 3 Push Boats Kvichak Marine Industries, Inc. 2 Aluminum Catamarans 1 Craft 1 Survey Catamaran 1 Aluminum Hoover Catamaran LEEVAC Industries. LLC 1 Paddlewheel Casino Boat Marine Builders, Inc. 5 Deck Barges 3 Push Boats 1 Dinner Boat Marinette Marine Corporation 29 Barges

1 Supply Vessel 1 Offshore Service Vessel National Steel and Shipbuilding Co. 1 T-AKE 4 Combat Logistics Dry Cargo Ship Neuville Boat Works, Inc. 1 Crew/Supply Boat Newpark Shipbuilding & Repair, Inc. 1 Deck Barge Nichols Brothers Boat Builders, Inc. 1 Aluminum Catamaran Orange Shipbuilding Company, Inc. 1 Deck Barge 1 Crane Barge Rodriguez Boat Builders, Inc. 1 Passenger Boat Rozema Boat Works Boat 2 Oil Spill Response Boat 1 Oil Containment Barge SAFE Boats International 1 Response Boat Seaark Marine, Inc. 18 Aluminum Patrol Boat 1 Aluminum Crew Boat Seacraft Shipyard Corporation 1 Crew / Supply Boat 1 Research Vessel SEMCO 1 Self-Elevating Lift Boat SENESCO / Southeastern New England Shipbuilding Corporation 2 Double Hulled Fuel Barge Skipperliner Industries, Inc. 1 Dinner Cruise Yacht Steiner Shipyard, Inc. 1 Vehicle / Passenger Ferry Sundial Marine Tug & Barge Works, Inc. 3 Petroleum Barges Thoma-Sea Boat Builders, Inc. 1 Tug

Master Boat Builders, Inc.

CONTRACTS FOR	R NEW VESSELS (January 2004 (CONTINUED)	l – December 2004)
Toledo Ship Repair Company, Toledo Shipyard 2 Double Hull Tank Barges Trinity Marine Products, Inc. 16 Double Hull Tank Barge Trinity Yachts 1Tri-Deck Motor Yacht United Marine Enterprise, Inc., Port Arthur Shipyard 1 Deck Cargo Barge 1 Drydock VT - Halter Marine Pascagoula 1 RO/RO Car/Truck Carrier 1 Seagoing Aluminum Passenger Ferry VT - Halter Moss Point 1 Fisheries Research Vessel Washburn & Doughty Assoc., Inc. 3 Z-Drive Tug Westport Shipyard, Inc. 4 Motor Yachts William E. Munson Company 1 Landing Craft Winninghoff Boats, Inc. 1 Utility Boat Zidell Marine Corporation 1 Petroleum Barge		

### **VESSELS DELIVERED (January 2004 – December 2004)**

A & B Industries 1 Model Bow Tug Alabama Shipyard 1 ATB Tug 1 ATB, Double Hulled Barge All American Marine, Inc. 1 Aluminum Research Catamaran 1 High Speed Aluminum Catamaran 1 Monohull Research Vessel 1 Passenger Vessel Allen Marine, Inc. 3 Catamaran Ferries 3 Passenger Ferries Atlantic Dry Dock Corporation – Jacksonville 1 ATB Tug Austal USA 1 Aluminum High Speed Catamaran 1 Dinner Cruise Boat 1 High Speed Boat Basic Marine 1 Fisheries Research Vessel 1 Vehicle/Passenger Ferry Bath Iron Works Corporation 1 Destroyer (DDG 90) Bay Shipbuilding Company 1 Passenger Vessel 1 Vehicle/Passenger Ferry Bender Shipbuilding and Repair Co., Inc. 1 Construction Vessel 2 Crane Barges 2 Offshore Platform Supply Vessels 2 Platform Supply Vessels Bentz Boats, LLC 4 Tour Boats **Blount Boats** 1 Boat 1 High Speed Whaler Catamaran

Bollinger Algiers, LLC 7 Tugs (Conversion) Bollinger Gretna, LLC 1 Double Hull Oceangoing Barge 1 Dble Hull Oil Oceangoing Barge Bollinger Lockport, LLC 1 ATB Tug 13 Coastal Patrol Boats 3 Offshore Supply Vessels 2 Platform Supply Vessels 1 Supply Vessel 3 Tank Barges 1 Z-Drive Tug Bollinger Marine Fabricators, LLC 2 Dble Hulled Oil Oceangoing Barge **Breaux Brothers** 4 Crew Boats 2 Survey Vessels Breaux's Bay Craft, Inc. 2 Crew Boats Burger Boat Company 3 Yachts C & G Boat Works 5 Crew Boats 4 Supply Vessels Conrad Shipvard, Inc. 1 Crew/Supply Vessel 3 Deck Barges Dakota Creek Industries, Inc. 1 Ferry Derecktor Shipyards Connecticut 4 Passenger Ferries 1 Sail Yacht Eagle Drydock and Marine Repairs 1 Dredge Tender Eastern Shipbuilding Group 1 Catamaran Vessel 3 Clam Boats 6 Offshore Supply Vessels 2 Ship Assist Tug 1 Vehicle / Passenger Ferry

Freeport Shipbuilding Group 1 Dinner Cruise Boat 1 Passenger Ferry 1 Passenger / Vehicle Ferry **GEO Shipyards** 1 Sport Fishing Boat Gladding-Hearn Shipbuilding 3 Fast Ferry 1 Catamarán Ferry 3 Aluminum Pilot Boats Gulf County Shipbuilding 1 Swath Passenger Cruise Boat 3 Aluminum Crew/Supply Boats 1 Aluminum Passenger Catamaran Gunderson, Inc. 1 Deck Cargo Barge 3 Oceangoing Deck Cargo Barges HBC Barge LLC 1 Deck Barge Hope Services, Inc. 3 Push Boats Houma Fabricators -Shipyard De Hoop of Houma, Inc. 3 Offshore Supply Vessel Island Boats, Inc. 1 Ferry 4 Tenders 1 Aluminum Catamaran 3 Landing Craft 3 Passenger Catamaran Ferries John Bludworth Shipyard, LLC 1 Inland Tow Boat Keith Marine, Inc. 1 Yacht Knight & Carver Yacht Center 1 Sailing Catamaran Kody Marine, Inc.

3 Push Boats

## **VESSELS DELIVERED (January 2004 – December 2004)**

(CONTINUED)

Kvaerner Philadelphia Shipyard, Inc.

1 2600 TEU Containership

Kvichak Marine Industries, Inc.

3 Aluminum Catamaran

1 Hoover Craft

2 Patrol Boats

1 Aluminum Pilot Boat

1 Survey Catamaran

1 Foil-Assist Survey Catamaran

LaForce Shipyard

1 Aluminum Supply Crew Boat

LEEVAC Industries, LLC

4 Offshore Supply Vessels

LeTourneau

1 Jackup Drilling Rig

Main Iron Works, Inc.

2 Tugs

1 Scalloper Boat

Marine Builders, Inc.

6 Deck Barges

2 Dinner Cruise Boats

4 Push Boats

Marinette Marine Corporation

5 Seagoing Bouy Tenders

Master Boat Builders, Inc.

1 Offshore Service Boat

3 Supply Boats

Merrifield-Roberts

1 Catamaran

Modutech Marine, Inc.

1 Fast Patrol Boat

National Steel and Shipbuilding Company

2 Trailer Ships

Neuville Boat Works, Inc.

2 Crew/Supply Vessels

Newpark Shipbuilding & Repair, Inc.

2 Deck Barges

Nichols Brothers Boat Builders, Inc.

1 Fire Boat

1 Stearnwheeler Steam Boat

North American Shipbuilding Company

1 Offshore Supply Vessel

6 Supply Anchor Handling Vessels

Northrop Grumman Newport News

1 Aircraft Carrier (CVN 76)

Northrop Grumman Ship Systems, Avondale Operations

1 Crude Tanker

1 Sealift Ship (T-AKR 306)

Northrop Grumman Ship Systems, Ingalls Operations

1 Destroyer (DDG 89)

Orange Shipbuilding Company, Inc.

3 Tugs

1 Deck Barge

1 Dobule Bottomed Tug

1 Dobule Ended Passenger Ferry

3 Pusher Tugs

1 Z-Drive Tug

Palmer Johnson Incorporated

5 Motor Yachts

Patti Shipyard, Inc.

2 Steel Ferries

Quality Shipyards, LLC

4 Supply Platform Vessels

Queen Craft Shipyard

1 Crew Boat

Rodriguez Boat Builders, Inc.

3 Offshore Tugs

1 Passenger

1 Scalloper Boat

Rozema Boat Works

4 Oil Spill Response

SAFE Boats International

17 Oil Spill Response

1 ALUMINUM Fire/Rescue Boat

22 Aluminum Patrol Boat

Seacraft Shipyard Corporation

1 Aluminum Luxuray Yacht

1 Crew/Supply Boat

1 Research Vessel

SEMCO

1 Self-Elevating Lift Boat

SENESCO / Southeastern New England Shipbuilding Corporation

2 Double-Hulled Fuel Barge

3 Deck Barges

Serodino, Inc.

2 Dinner Boats

Skipperliner Industries, Inc.

1 Dinner Cruise

Steiner Shipyard, Inc

1 Vehicle / Passenger Ferry

Sundial Marine Tug & Barge Works, Inc.

3 Petroleum

Thoma-Sea Boat Builders, Inc.

2 Tua

Trinity Madisonville

6 Tank Barges

Trinity Marine Products, Inc.

7 Double Hulled Tank Barge

**Trinity Yachts** 

4 Motor Yachts

United Marine Enterprise, Inc., Port Arthur Shipyard

1 Drydock

1 Deck Cargo Barge

Verret Shipyard

1 Push Boat

VT - Halter Moss Point

1 Offshore Supply Vessel

Washburn & Doughty Assoc., Inc.

2 Z-Ddrive Tugs Westport Shipyard, Inc.

7 Motor Yachts William E. Munson Company

2 Landing Craft Winninghoff Boats, Inc.

3 Utility Boats

1 Barge

VESSELS DELIVERED (January 2004 – December 2004) (CONTINUED)							
Yank Marine 1 Dinner Cruise Boat 5 Passenger Boats 1 Passenger Catamaran Zidell Marine Corporation 1 Petroleum Barge							

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# APPENDIX A STANDARD FORM 17

# FACILITIES AVAILIABLE FOR THE CONSTRUCTION OR REPAIR OF SHIPS

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#### Standard Form 17 (Rev. 9-96)

DEPARTMENT OF THE NAVY (NAVSEASYSCOM) & MARITIME ADMINISTRATION Coordinator for Ship Repair and Conversion (DOD-DOC)

#### FACILITIESAVAILABLEFOR THE CONSTRUCTIONOR REPAIROF SHIPS

Form Approved OMB No. 0703-0006 Expires Aug 31, 1999

The public reporting burden for this collection of information is estimated to average 4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0703-0006), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO THE APPROPRIATE DEPARTMENT OF DEFENSE OFFICE OR MARITIME

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10. 100	πρισ	ic acpai	trricinal address	,			AND ADDITE	00						copy to appropriate
														ense Office or Maritime
												Administration		
						BUILDI	NG WAYS (I	VI.L.W.)				<u></u>		
NO.						DEPTH OF WATER						CRANES SERV	/ING W	AY
OF		AUNCHING DIMENSIONS		NS	MAXIMUM SHIP SIZE	OVER	AT DROP		DITION		TYPE	TYPE (Plus hook height LIFT CAPACIT		
WAY	()	X one)			(Ton 2,240 lbs.)	WAY END	OFF	OF	WAY	NO.		r bridge cranes)		(Std. tons)
		END	LENGTH		LENGTH O.A.									
		SIDE	WIDTH		BEAM									
		BASIN	DEPTH		WEIGHT									
		END	LENGTH		LENGTH O.A.									
		SIDE	WIDTH		BEAM									
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		SIDE	WIDTH		BEAM									
		BASIN	DEPTH		WEIGHT									
LENGTH	OF I	LAUNCH	ING RUN	DEPTH (	OF RUN AT M.L.W.	TIDAL RAN	GE (Difference	M.LM.H.)	IS FIRE PRO	DTECTION	AVAILABI	LE ON IS	SNUB	BING NECESSARY?
									BUILDING	WAY?	YES	NO	YES	NO

				SHIP'S	BERTHS (Pi	ers, Wharv	es, Bulkheads, I	Mooring Dol	phins (M.L.W.	))			
			LENGTH	WATER	DEPTH	HEIGHT	USE REPAIR		ICE AVAILABLE		CRAM	NES SERVING	BERTHS, ETC.
NO.	TYPE	(Act	tual and Usable)	INBOARD	OUTBOARD	OF DOCK	AND/OR OUTFITTING	and unit	reviations of servi s of measure notat under legend)			ook height M.L.W.)	LIFT CAPACITY (Std. tons)
		ACT.											LIFT
		USE.											REACH
		ACT.											LIFT
		USE.											REACH
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		USE.		DBVDO	CKC (Massa	IICH Wat	w // int building	do elso sue de	an basilalia ar ara	1			REACH
	MATERIAL CON	STRUCTER				IIGH Wate	er) (List building	CLEAR		/S)	DEPTH/DRAFT	<u> </u>	
NO.	OF - TY FLOATING-(FD); GF MARINE RAILW	PE RAVING-(GD);	MAXIMUM SHIP SIZ ACCOMMODATED LENGTH OA - BEAN	OVER	AT C	OPING (GD); PONTOONS (FD)	AT KEEL BLOCKS; ON CRADLE (MR)	AT TOP; CRADLE (MR)		OVER SILL (GD)	OVER FLOOR	OVER KEEL BLOCKS	(Ton 2,240 lbs.)
:GEND	(Abbreviations Fresh water - Salt water - S	F.W G.P.	M P.S.I.		S - P/HR - P.: A - C.F.M I			Electric po	ower - E-V-AC ower - E-V-DC	-AMP -AMP			tion - FP - G.P.M P. wer - SS - Yes or No

				PRINCIPAL SHOPS AN	D BUILDING	GS							
					L	ARGEST E	XIT	WEIGHT OF	MATERIAL C	OR NUMBER	ALL OTHER SHOPS (List names and dimensions,		
NAME C OR BUI			BUILDING	MATERIALS PROCESSED (See Note)	WIDTI	н	HEIGHT	AND SIZE	OF UNITS PF HOURS (See	RODUCED		and aimensions, old loft, if any)	
FABRICATIN	NG												
PLATE													
SHEET MET	AL												
SUBASSEM	BLY												
CARPENTER	₹												
WOODWOF	RKING												
BOAT ASSE OR MOLDIN													
MACHINE													
ELECTRICAL	L												
ELECTRONI	С												
PIPE													
GALVANIZI	NG												
FOUNDRY													
RIGGER													
NOTE: Inc	dicate mate	erials as ste	el, aluminur	n, reinforced plastic, wood, plyv									
		_			HOP OR YA	ARD CRA	NES (5 ton						
		1	RIDGE TYPE							, RAIL OR M	OBILE	HGT. OF HOOK	
CAP. (Std. tons)	MAX. SPAN	OF HOOK		AREA/SHOP SERVICED	TYPE	CAP.	s) REACH		BOOM LENGTH	HEIGHT HINGE	AREA SERVICE		

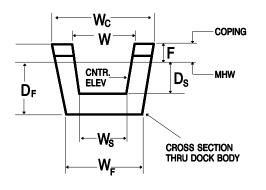
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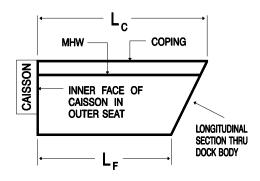
LOCATION OF PRODUCTION F	ACILITIES FOR PROD	OUCTS LISTED IN ITEM	VI 8 OF SF 129	ON WATER	FRONT	PROJECTS UNDER CONSTRUCTION WHICH WILL ALTER NAVIGATIONAL
				YES	NO	RESTRICTIONS (Specify projects and state effect and estimated completions.)
EMPLOYMENT	CURRENT	CURRENT NO. SHIFTS	MOBILIZATI	ON - SHIFTS		compicación.)
MANAGEMENT, ADMINISTRATION						
PROFESSIONAL, ENGINEERING						
PROFESSIONAL, TECHNICAL (All others)						
PRODUCTION, SKILLED						
PRODUCTION, SEMISKILLED						
PRODUCTION, UNSKILLED						
NONPRODUCTION						
TOTAL						
(NOTE: An affiliate is a concer controlled by, or is under comn does not in itself constitute aff	non control with, the					
DISTANCE TO NEAREST RAILF	ROAD CONNECTION	DISTANCE TO NEAR	rest airport - idei	NTIFY		
LARGEST CONVEYANCE AVA	II ADI E AND MAYIN	IIM DIMENSIONS OF	LOAD EOD OVERLA	AND TRANSD	OPTA	
TION OF FINISHED PRODUCTS			•	manor	OMA	
N	AVIGATIONAL REST	RICTIONS (Indicate al	l at M.L.W.)			
MINIMUM CHANNEL TO TIDEV		MINIMUM HORIZON CLEARANCES TO T	ITAL AND VERTICAL			
LIMITING LOCK DIMENSIONS	TO TIDEWATER (Iden	l tify locks)				

Standard Form 17 (Rev. 9-96)
Page 6 of 6 Pages

### **GRAVING DOCK CHARACTERISTICS SUMMARY**

#### **GRAVING DOCK NOMENCLATURE**





#### **KEY**

MHW - Mean High Water

D<sub>F</sub> - Depth of Dock from MHW to Floor
D<sub>S</sub> - Depth of Dock from MHW to Sill

L<sub>C</sub> - Length of Dock at CopingL<sub>F</sub> - Length of Dock at Floor

W - Width of Dock at Top of Entrance

W <sub>C</sub> - Width of Dock at Coping or maximum clear width above Dock Floor

W<sub>F</sub> - Width at Dock Floor

W<sub>S</sub> - Width of Dock at Entrance (Sill)

F - Freeboard. Distance from MHW to top of coping. Indicate if part of Freeboard may be superflooded.

			ENTR	ANCE DIMEN	NSIONS		DOCK BO	DY DIMENSI	ONS	S U P		AVAII	ABLE ELEC		
	LEN	GTH	WIDTH		DEPTH	WIDTH		DEPTH	FREEBOARD	E R F	STANDARD DEFINITION	SERVICE (SHORE POWER TO VESSEL)			REMARKS
GRAVING DOCK IDENTIFIER	FLOOR L <sub>F</sub>	COPING L <sub>C</sub>	SILL W <sub>S</sub>	COPING W	MHW D <sub>S</sub>	FLOOR W <sub>F</sub>	COPING W <sub>c</sub>	MHW D <sub>F</sub>	F	L O O D I N G	L <sub>C</sub> x W <sub>C</sub> x D <sub>S</sub>	VOLTS	AMPS	HERTZ	(e.g. indicate dimensions of pits in dock floor)

### -10

### FLOATING DRYDOCK CHARACTERISTICS SUMMARY

FLOATING	MAXIMUM	MAXIMUM DEPTH	CLEAR WIDTH	LIFT	NORMAL KEEL	(SHORI	E ELECTRICAL E POWER TO V	ESSEL)	REMARKS  (Indicate existence of hauling blocks, if end selection can be
DRYDOCK IDENTIFIER	LENGTH OF PONTOON	OVER BLOCKS	BETWEEN WINGWALLS	CAPACITY (TONS)	BLOCK HEIGHT	VOLTS	AMPS	HERTZ	lowered, and max. length of ship DD can accommodate).

## APPENDIX B

# MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES

# MAJOR U.S. PRIVATE SHIPYARD CLASSIFICATION DEFINITIONS

#### **Active Shipbuilding Yards**

The Active Shipbuilding Yards are those privately owned U.S. shipyards/facilities, that are open with at least one building position capable of accommodating a vessel 122 meters (400 feet) in length and over, and are currently engaged in the construction of naval ships and/or major oceangoing merchant vessels 122 meters (400 feet) in length and over.

#### Other Shipyards with Building Positions

Other Shipyards with Building Positions are those privately owned shipyards/facilities that are open with at least one building position capable of accommodating a vessel 122 meters in length and over, and that have not constructed a naval ship or major oceangoing merchant vessel in the past two years. The shipyards may not be capable of ship construction without significant capital investments. These shipyards could, however, be used in module ship construction.

#### Repair Yards with Drydock Facilities

Repair Yards with Drydock Facilities are those shipyards that have graving docks, floating drydocks or marine rails capable of handling naval ships and/or major oceangoing merchant vessels 122 meters in length and over. These shipyards may also be capable of constructing vessels less than 122 meters in length.

#### Topside Repair Yards

Topside repair yards are those shipyards that have sufficient berth/pier space, including dolphins, to accommodate a naval ship or major oceangoing merchant vessel ships of 122 meters in length or over. These shipyards may also be capable of constructing and/or drydocking vessels less than 122 meters in length.

#### **GENERAL REQUIREMENTS**

The shipyard must own or have in place a long-term lease (1 year or more) on the facility in which they intend to accomplish the work. There must be no dimensional obstructions in the waterway leading to open ocean (i.e., locks, bridges). Water depth in the channel to the facility must be a minimum of 3.7 meters (at Mean Low Tide {MLT}).

#### NOTE

The following criteria were developed to establish the maximum ship size that could be accommodated in each drydock:

For floating drydocks, the maximum ship length is as given by the shipyards. The maximum beam is determined by allowing a 0.6 meter clearance at each side between the ship and wing wall.

For graving docks, the maximum ship length is determined by allowing a 0.6 meter clearance at each end between the ship and the inside of the dock at the floor. The maximum beam was determined by allowing a 0.6 meter clearance on each side between the ship and each side of the dock entrance at the sill, unless the shipyard indicated more clearance is required.

There are several types of floating drydocks and graving docks, and under certain circumstances additional clearance would be necessary between the ship and the dock body. Permissible ship sizes requiring additional clearance may be determined by simple calculation from the above criteria.

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

#### **Active Shipbuilding Yards**

Bath Iron Works Corporation			1/ Construction, repair, and
700 Washington Street		259	conversion.
Bath, ME 04530	213 X 26 SW	899	
	219 X 34 SW	033	<u>2/</u> 6,546
	219 X 39 SW		
	(2) 259 X 38 LL		
	366 X 38 LL		
	244 X 38 FD		
Web Address: www.gdbiw.com			
Electric Boat Corporation			1/ Construction of submarines for
75 Eastern Point Road			the U.S. Navy.
Groton, CT 06340-4989	(4) 134 X 10 SW	229	
	174 X 24 LL	1,034	<u>2/</u> 9,660
	151 X 20 GD		
	180 X 26 GD		
	183 X 27 GD		
Web Address: www.gdeb.com			
Kvaerner Philadelphia Shipyard, Inc.			1/ New construction.
Philadelphia Naval Business Center			
Philadelphia, PA 19112-1808	(2) 330 X 43 GD	200	<u>2/</u> 817
Web Address: www.phillyshipyard.com			<u> </u>

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

#### **Active Shipbuilding Yards**

Northrop Grumman Newport News			1/ Construction, repair, and
4101 Washington Avenue		F00	conversion.
Newport News, VA 23607-2770	(4) 183 X 12 LL	2,972	
	139 X 21 GD **	2,572	<u>2/</u> 18,718
	159 X 21 GD **		
	197 X 27 GD **		
	262 X 31 GD **		
	292 X 37 GD *		
	344 X 41 GD *		
	661 X 75 GD *		
	195 X 41 FD		
Web Address: www.nn.northropgrumr	man.com/index.asp		
			<ul> <li>Used for construction.</li> </ul>
			** Used for repair and overhaul

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

#### Other Shipyards with Building Positions

Atlantic Dry Dock Corporation 8500 Heckscher Drive Jacksonville, FL 32226-2400	137 X 23 SW 189 X 26 FD 137 X 23 MR 76 X 12 MR	310 731	<ul><li>1/ Construction, repair, and overhaul of small and medium size vessels.</li><li>2/ 532</li></ul>
Web Address: www.atlanticmarine.com			AFDM-7 "Sustain" ex Navy dock

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

Bayonne Dry Dock & Repair Corporation			1/ General ship repair with
Brooklyn Navy Yard, Building 386		488	drydocking.
Bayonne, NJ 07002	329 X 45 GD	488	
		400	<u>2/</u> 72
Web Address: - NOT AVAILABLE -			
Boston Ship Repair, Inc.			1/ Ship repair.
32A Drydock Avenue			
Boston, MA 02210	350 X 37 GD		
	000 X 01 0B		<u>2/</u> 150
Web Address: www.bostonship.com			
Caddell Dry Dock & Repair Company, Inc.			1/ General ship repair.
P.O. Box 327		160	
Staten Island, NY 10310	137 X 25 FD	<u>169</u> 770	
	55 X 15 FD	770	<u>2/</u> 158
	78 X 16 FD		
	78 X 20 FD		
	79 X 20 FD		
	80 X 13 FD		
Web Address: www.caddelldrydock.com			
Colonna's Shipyard, Inc.			1/ General ship repair.
100 East Indian River Road			··· Conoral orap ropalit
Norfolk, VA 23523	195 X 25 FD	274	
•	98 X 20 FD	1,545	<u>2/</u> 322
	104 X 18 MR		
	110 X 21 MR		
	56 X 13 MR		
	64 X 11 MR		
Web Address: www.colonnaship.com			

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

Detyens Shipyards, Inc., Main Yard			1/ General ship repair and
1670 Drydock Avenue, Building 236		640	conversion.
North Charleston, SC 29405-2121	178 X 28 GD *	1,913	0/ 500
	185 X 29 GD *	,	<u>2/</u> 500
	226 X 32 GD *		
Web Address: www.detyens.com			
			<ul> <li>Leased from Charleston Naval Shipyard Redevelopment Association.</li> </ul>
Detyens Shipyards, Inc., Wando Division			1/ General ship repair.
2383 Hwy 41		122	
Mt. Pleasant, SC 29466	152 X 20 FD	545	2/ 105
Web Address: www.detyens.com			<u>zi</u> 103
GMD Shipyard Corporation			1/ General ship repair.
Brooklyn Navy Yard, Building 386			<u></u>
Brooklyn, NY 11205	(2) 330 X 45 GD	233	
	84 X 23 GD	503	<u>2/</u> 142
Web Address: - NOT AVAILABLE -			
Metro Machine Corporation			1/ General ship repair and
200 Ligon Street			conversion.
Norfolk, VA 23501	290 X 40 FD	239	
Web Address: www.memach.com		885	<u>2/</u> 464
Metro Machine Corporation - Philadelphia	Division		1/ General ship repair and
Philadelphia Naval Business Center	511.0011		conversion.
Philadelphia, PA 19112	219 X 24 GD	341	
	300 X 34 GD	1,195	<u>2/</u> 237
Web Address: www.memach.com	000 X 04 0D		

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

Norfolk Shipbuilding & Drydock Corporation 750 West Berkley Avenue Norfolk, VA 23523-1002	174 V 20 ED -	1/ Ship repair and conversion.  393 227 2/ 978
Web Address: www.norshipco.com		
North Florida Shipyard, Inc. P.O. Box 3255 Jacksonville, FL 32206 Web Address: www.northfloridashipyard.com	100 V 17 ED -	1/ Ship repair and conversion.  290  966  2/ 216
SPEEDE Shipyard, LLC 200 Ligon Street Norfolk, VA 23501  Web Address: www.memach.com	302 X 32 FD	<ul><li>1/ Drydock and coating of Panamax beam ships.</li><li>2/ 12</li></ul>

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

	торѕіае кера	iir tarus	
Associated Naval Architects, Inc. 3400 Shipwright Street			1/ General ship repair.
Portsmouth, VA 23703	37 X 11 MR 37 X 12 MR 40 X 12 MR 72 X 15 MR	<u>137</u> 439	<u>2/</u> 80
Web Address: www.anashipyard.com			
Earl Industries, Inc. 2 Harper Avenue		244	1/ General ship repair.
Portsmouth, VA 23707-0909  Web Address: www.earl-ind.com		1,037	<u>2/</u> 510
Kerney Service Group, Inc. 1601 South Main Street Norfolk, VA 23523-1266		244	1/ General ship repair.
Web Address: - NOT AVAILABLE -		366	<u>2/</u> 17
Marine Hydraulics International, Inc. 543 East Indian River Road		372	1/ General ship repair.
Norfolk, VA 23523  Web Address: www.mhi-shiprepair.com		1,201	<u>2/</u> 274
Metal Trades, Inc. 1210 Truxtun Avenue, Building 2		220	1/ General ship repair, barge fabrication and layberth.
N. Charleston, SC 29405	23 X 10 TR 23 X 9 MR 63 X 18 MR 91 X 18 MR	983	<u>2/</u> 120
Web Address: www.metaltrades.com			

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

	repende repun		
Newport Shipyard Company, LLC  1 Washington Street Newport, RI 02840-1513	24 X 7 TR 46 X 12 TR	152 283	<ul><li>1/ General ship repair.</li><li>2/ 64</li></ul>
Web Address: www.newportshipyard.com			
Norfolk Shiprepair & Drydock Corporation Foot of Claiborne Avenue Norfolk, VA 23504	136 X 23 MR 73 X 13 MR	183 1,106	<ul><li>1/ General ship repair.</li><li>2/ 152</li></ul>
Web Address: - NOT AVAILABLE -			
Promet Marine Services Corporation 242 Allens Avenue Providence, RI 02905  Web Address: www.prometmarineservices.co	46 X 10 TR	183 366	1/ General ship repair.  2/ 50
Reynolds Shipyard Corporation 200 Edgewater Street Staten Island, NY 10305 Web Address: - NOT AVAILABLE -		134 134	<ul><li>1/ General ship repair.</li><li>2/ 10</li></ul>
Steel Style, Inc. 401 S. Water Street Newburgh, NY 12550  Web Address: - NOT AVAILABLE -	43 X 15 MR 91 X 30 MR	183 335	<u>1/</u> General ship repair. <u>2/</u> 25

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **EAST COAST**

The General Ship Repair Corporation 1449 Key Highway Baltimore, MD 21230	30 X 15 LL 66 X 18 FD	1/ General ship repair.  146 271 2/ 62
Web Address: www.generalshiprepair.com		
The Hinckley Company One Little Harbor Landing Portsmouth, RI 02871	24 X 5 TR 40 X 9 TR	1/ General ship repair.  244 488 2/ 101
Web Address: www.thco.com		

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

#### Active Shipbuilding Yards

Bender Shipbuilding and Repair Co 265 South Water Street	ompany, Inc.		1/ Construction, repair, and conversion of ships and small
		258	vessels.
Mobile, AL 36603	122 X 32 SW	1,151	2/ 795
	168 X 32 SW		<u>2/</u> 795
	(2) 34 X 12 SW		
	61 X 13 SW		
	61 X 14 SW		
	(2) 76 X 14 SW		
	119 X 14 FD		
	167 X 27 FD		
	196 X 36 FD		
Web Address: www.bendership.co	···		
Northrop Grumman Ship Systems, Mail Station 91		504	1/ Modular ship construction, conversion, and repair.
Northrop Grumman Ship Systems,		521	
Northrop Grumman Ship Systems, Mail Station 91	Avondale Operations	<u>521</u> 1,431	
Northrop Grumman Ship Systems, Mail Station 91	Avondale Operations 265 X 38 SW *		conversion, and repair.
Northrop Grumman Ship Systems, Mail Station 91	Avondale Operations  265 X 38 SW *  311 X 53 SW ***		conversion, and repair.
Northrop Grumman Ship Systems, Mail Station 91	Avondale Operations  265 X 38 SW *  311 X 53 SW ***  (2) 265 X 38 LL **		conversion, and repair.
Northrop Grumman Ship Systems, Mail Station 91	Avondale Operations  265 X 38 SW *  311 X 53 SW ***  (2) 265 X 38 LL **  (2) 311 X 53 LL **		conversion, and repair.
Northrop Grumman Ship Systems, Mail Station 91 Avondale, LA 70150-0280	Avondale Operations  265 X 38 SW * 311 X 53 SW ***  (2) 265 X 38 LL **  (2) 311 X 53 LL **  229 X 35 FD * 305 X 66 FD **		conversion, and repair.
Northrop Grumman Ship Systems, Mail Station 91 Avondale, LA 70150-0280	Avondale Operations  265 X 38 SW * 311 X 53 SW *** (2) 265 X 38 LL ** (2) 311 X 53 LL ** 229 X 35 FD *		conversion, and repair.
Northrop Grumman Ship Systems, Mail Station 91 Avondale, LA 70150-0280	Avondale Operations  265 X 38 SW * 311 X 53 SW ***  (2) 265 X 38 LL **  (2) 311 X 53 LL **  229 X 35 FD * 305 X 66 FD **		conversion, and repair.  2/ 7,590

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

#### **Active Shipbuilding Yards**

53 FD *		<u>2/</u> 12,237
ingalls.cfm	y	West Bank can only launch ships up to 259 X 53 meters. Land Level Positions constrained by launching capability.
32 SW -	274	1/ Construction and repair of ships and small vessels. 2/ 316
	32 SW	32 SW <u>274</u> 762

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

#### Other Shipyards with Building Positions

Alabama Shipyard P.O. Box 3201			1/ Conversion, repair with major shipbuilding capability.
Mobile, AL 36652	200 V 50 II	328	
	290 X 50 LL	642	<u>2/</u> 137
Web Address: www.atlanticmarine.com			
Austal USA			1/ Builds high-speed aluminum
P.O. Box 1049		122	vessels.
Mobile, AL 36633	130 X 25 LL	122	
Web Address: www.austal.com/overview/us	a ofm	122	<u>2/</u> 139
veb Address. www.adstal.com/overview/ds	a.ciiii		
Kannal Ameel S. Ina			1/ Offebore oil rice with main
Keppel AmFELS, Inc. 20000 Highway 48			1/ Offshore oil rigs with major shipbuilding capability.
Brownsville, TX 78523		610	3 14 14 3
Diownsville, 17. 70025	335 X 122 LL	610	2/ 880
	183 X 30 FD		<u> </u>
Web Address: - NOT AVAILABLE -			
O'maddatamat'a ad 110. Fact Yand			Al Daniela and an allinguitant to all
Signal International, LLC - East Yard			1/ Repair and modification to oil rigs.
6601 Bayou Cassotte Pkwy Pascagoula, MS 39581		610	ge.
Fascagodia, MS 39301	165 X 160 SW	610	2/ 640
	111 X 61 FD		<u>=</u> 010
Web Address: www.signalint.com			
T			
Tampa Bay Shipbuilding & Repair Company			1/ Full service conversion and repair facility.
1130 McClosky Boulevard		311	. span raomy.
Tampa, FL 33605	166 X 25 GD	622	2/ 366
	(2) 227 X 34 GD		<u>2.</u> 300
	273 X 46 GD		
Web Address: www.tampabayship.com			

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

#### Other Shipyards with Building Positions

United Marine Enterprise, Inc., Port Arthur Ship P.O. Box 22077 Beaumont, TX 77720 Web Address: www.unitedmarineshipyard.com	122 X	61	LL	<u>48</u>	_		Construction and repair of ships and offshore vessels.
VT - Halter Moss Point							Construction of ships up to 146
P.O. Box 8767							meters in length.
Moss Point, MS 39562-8767	134 X	94	I SW			_,	
	85 X	15	5 LL			<u>2/</u>	148
	95 X	18	3 LL				
	96 X	18	3 LL				
Web Address: www.haltermarine.com							

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

Atlantic Marine - Mobile			1/ Ship repair and conversion.
P.O. Box 3202		345	
Mobile, AL 36652	213 X 26 FD	962	
	305 X 49 FD	902	<u>2/</u> 545
	120 X 40 FB		
Web Address: www.atlanticmarine.com			
Bollinger Gulf Repair, LLC			1/ Conversions and repair of
3900 Jourdan Road			offshore vessels and OPA90
New Orleans, LA 70126	152 X 23 SW	549	tanker barges, etc.
,	91 X 15 SW	549	<u>2/</u> 200
	133 X 18 FD		
	134 X 26 FD		
	229 X 32 FD		
Web Address: www.bollingershipyards.com			
Bollinger Houston, L.P.			1/ General ship repair of inland
201 Broadway Street			boats, barges, OSV's, tugs and
Houston, TX 77012	213 X 27 SW	152	Marine equipment new construction.
	122 X 24 FD *	335	2/ 105
	37 X 12 FD		<u>zr</u> 103
	67 X 24 FD		
	107 X 16 MR		
Web Address: www.bollingershipyards.com			
web Address. www.bollingershipyards.com			* Two drydocks are combined.
Gulf Marine Repair Corporation			1/ Ship repair and overhaul.
1200 Sertoma Drive		366	
Tampa, FL 33605	168 X 24 FD	747	0/ 450
	61 X 15 FD		<u>2/</u> 150
Web Address: www.gulfmarinerepair.com			

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

International Ship Repair & Marine Services, In 1616 Penny Street	C.		1/ General ship repair.	
Tampa, FL 33605-6058	145 X 29 FD 229 X 29 FD 76 X 13 FD 76 X 32 FD	549 1,158	<u>2/</u> 178	
Web Address: www.internationalship.com	70 X 32 1 B			
Signal International Texas, LP - D.O.C. Yard 2500 Martin Luther King Boulevard		34	1/ Repair of offshore oil rigs.	
Port Arthur, TX 77640  Web Address: www.signalint.com	126 X 111 FD	34	<u>2/</u> 42	

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

ropolao riopa		
ic.	305 305	<ul><li>1/ General ship repair and conversion.</li><li>2/ 84</li></ul>
e.com		
107 X 20 FD 91 X 20 FD	122 122	<ul><li>1/ Repairs towboats, barges, and vessels to 76 meters.</li><li>2/ 60</li></ul>
/ards.com		
26 X 9 SW 76 X 23 SW 91 X 15 FD 91 X 16 FD 91 X 17 FD 40 X 12 MR	137 408	<ul><li>1/ Repair and drydocking of inland and offshore vessels.</li><li>2/ 132</li></ul>
(2) 114 X 30 SW 20 X 5 MR 20 X 7 MR 27 X 9 MR 37 X 10 MR	<u>488</u> 488	<ul><li>1/ General ship repair, conversior and new construction of small vessels.</li><li>2/ 492</li></ul>
	26 X 9 SW 76 X 23 SW 91 X 15 FD 91 X 16 FD 91 X 17 FD 40 X 12 MR  /ards.com  (2) 114 X 30 SW 20 X 5 MR 20 X 7 MR 27 X 9 MR	305 305 305 305 305 305 305 305 2.com  107 X 20 FD

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

Bollinger Texas City, L.P. 2201 Dock Road, Dock 42 Texas City, TX 77590	110 X 24 FD 55 X 24 FD 67 X 16 FD 67 X 24 FD	168 168	<ul><li>1/ General ship repair and drydocking of tugs, OSV's, inland and offshore barges.</li><li>2/ 110</li></ul>
Web Address: www.purgit.com/bludbond_s	y.htm		
Buck Kreihs Company, Inc. P.O. Box 53305		1,128	1/ Ship repair.
New Orleans, LA 70153  Web Address: www.buckkreihs.com		1,128	<u>2/</u> 98
CBH Services, Inc.			1/ General ship repair.
200 Pier Pond		229	
Orange, TX 77630		229	<u>2/</u> 25
Web Address: - NOT AVAILABLE -			<u>z.</u> 23
Dixie Machine Welding & Metal Works, Inc. P.O. Box 23890			1/ General ship repair.
New Orleans, LA 70130-0890		274	
Web Address: www.dixiemachine.com		274	<u>2/</u> 36
O. If O and a set of a topics of a set			4/ Occasional abia manain
Gulf Copper & Manufacturing Corporation P.O. Box 547			1/ General ship repair.
P.O. BOX 547 Port Arthur, TX 77640	70 V 40 0W	213	
i ditritudi, IX 11040	76 X 18 SW	427	2/ 87
Web Address: www.gulfcopper.com			

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

Houston Ship Repair, Inc Brady Island Facility 8510 Cypress Street Houston, TX 77012 Web Address: www.houstonshiprepair.com		224 224	<ul><li>1/ General ship repair and conversion.</li><li>2/ 75</li></ul>
Orange Shipbuilding Company, Inc. 710 Market Street Orange, TX 77631-1670 Web Address: www.conradindustries.com	91 X 23 SW	183 259	<ul><li>1/ General ship repair and small vessel construction.</li><li>2/ 65</li></ul>
Sabine Shipyard, Inc. Box 405 Sabine Pass, TX 77655 Web Address: - NOT AVAILABLE -		244 396	<ul><li>1/ Topside repairs and repairs of offshore oil rigs.</li><li>2/ 33</li></ul>
Signal International Texas, LP - Orange Yard 91 West Front Street Orange, TX 77630 Web Address: www.signalint.com		251 808	<ul><li>1/ Repair of offshore oil rigs.</li><li>2/ 250</li></ul>

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **GULF COAST**

Southwest Shipyard - Brady Island 8502 Cypress Street Houston, TX 77012	105 X 25 FD 49 X 14 FD 61 X 20 FD 67 X 18 FD	<u>274</u> 701	<ul><li>1/ Barge new construction &amp; repair, boat, OSV and ferry repair.</li><li>2/ 151</li></ul>
	91 X 18 FD		
	91 X 20 FD		
	59 X 12 MR		
	91 X 16 MR		

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **WEST COAST**

#### **Active Shipbuilding Yards**

National Steel and Shipbuilding Company 2798 Harbor Drive San Diego, CA 92113	` ′ 3	303 X	34 SW 51 GD 41 FD	305 2,106	<u>1/</u>	Construction, repair, and conversion.  4,030
Web Address: www.nassco.com						

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **WEST COAST**

#### Other Shipyards with Building Positions

Gunderson, Inc. 4350 Northwest Front Avenue Portland, OR 97210		335	1/ New Construction of barges.
Web Address: www.gundersoninc.com	223 X 34 SW	335	<u>2/</u> 199
Todd Pacific Shipyards Corporation 1801 16th Avenue, S.W. Seattle, WA 98134	(2) 137 X 18 SW * 198 X 26 FD 287 X 41 FD	427 1,834	<ul><li>1/ Repair and conversion with major shipbuilding capability.</li><li>2/ 700</li></ul>
Web Address: www.toddpacific.com			<ul> <li>* Max. ship size is 137 X 29 meters using two 137 X 18 meter SWs.</li> </ul>

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **WEST COAST**

Cascade General, Inc.			1/ General ship repair.
5555 North Channel Avenue, Building		427	
Portland, OR 97217	182 X 26 FD	4,002	
	247 X 34 FD	4,002	<u>2/</u> 517
Web Address: www.casgen.com			
Lake Union Drydock Company			1/ General ship repair and
1515 Fairview Avenue, East			conversion.
Seattle, WA 98102-3791	128 X 18 FD	381	
	61 X 14 FD	750	<u>2/</u> 85
Web Address: www.ludd.com	01 X 141 D		
Puglia Engineering, Inc. dba Fairhaven Shipy	ard		1/ Ship and vessel repair.
201 Harris Street		213	
Bellingham, WA 98225-7018	122 X 17 FD	351	
	37 X 11 MR	331	<u>2/</u> 149
Web Address: - NOT AVAILABLE -			
San Francisco Drydock, Inc.			1/ Ship repair and overhaul.
P.O. Box 7644			1/ Ship repair and overnaul.
San Francisco, CA 94107		250	
Sail Flancisco, CA 94107	186 X 26 FD	809	<u>2/</u> 99
	290 X 44 FD		<u>zr</u> 99
Web Address: www.sfdrydock.com			
Southwest Marine, Inc., San Diego Division			1/ Ship repair, overhaul, and
Foot of Sampson Street			conversion.
San Diego, CA 92170-3308	127 X 19 FD	213	
<b>3</b> ,	200 X 31 FD	604	<u>2/</u> 1,314
Mah Address was versioned in the first series			<del>_</del> ·
Web Address: www.usmarinerepair.com/swr	nsu.nim		Graving dock at Naval Station can be leased as required.

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

#### **WEST COAST**

Southwest Marine, Inc., San Pedro Division P.O. Box 3600 Terminal Island, CA 90731-7331	122 X 17 FD 209 X 27 FD	<u>201</u> 769	ship repair, overhaul, and onversion.
Web Address: www.usmarinerepair.com			

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

# **WEST COAST**

# **Topside Repair Yards**

	ropordo riopa.		
Bay Ship & Yacht Company, Alameda 2900 Main Street			1/ General ship repair.
Alameda, CA 94501	119 X 17 FD 49 X 9 FD	213 305	<u>2/</u> 172
Web Address: www.bay-ship.com			
Bay Ship & Yacht Company, Richmond			1/ General ship repair.
2900 Main Street Alameda, CA 94501	27 X 7 TR	488 892	<u>2/</u> 22
Web Address: www.bay-ship.com			
Continental Maritime of San Diego, Inc.			1/ General ship repair.
1995 Bay Front Street			
San Diego, CA 92113-2122		213	
		838	<u>2/</u> 655
Web Address: www.continentalmaritime.com			Graving and floating docks at Naval Station can be leased as required.
Dakota Creek Industries, Inc.			1/ General ship repair, steel and
P.O. Box 218		205	aluminum vessel construction
Anacortes, WA 98221	107 X 22 LL	<u>305</u> 477	to 106 meters.
	107 X 24 FD	477	<u>2/</u> 190
	107 X 22 SL		
Web Address: www.dakotacreek.com			
Everett Shipyard, Inc.			1/ Topside repair work and small
1016 14th Street			boat construction.
Everett, WA 98201	40 X 11 MR	335 427	
Web Address: www.everettship.com		421	<u>2/</u> 80

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

# **WEST COAST**

# Topside Repair Yards

Foss Shipyard dba Foss Maritime Compan 660 West Ewing Street Seattle, WA 98119	y 59 X 13 FD 67 X 18 FD	<u>146</u> 715	<ul><li>1/ Vessel repair, alteration, and overhaul.</li><li>2/ 107</li></ul>
Web Address: www.foss.com			

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

# **GREAT LAKES**

# Other Shipyards with Building Positions

(Maximum ship size that can exit the St. Lawrence Seaway locks is 222 meters X 24 meters)

Bay Shipbuilding Company		1/ Ship construction, repair, a conversion.	nd
605 North Third Avenue		305	
Sturgeon Bay, WI 54235-0830	223 X 32 SW	2,163	
	305 X 32 GD	<u>2/</u> 514	
	55 X 12 GD		
	195 X 21 FD		
Web Address: www.manitowocmarine	.com		
Fraser Shipyards, Inc.		1/ Construction, repair, and	
Third Street & Clough Avenue		conversion.	
Superior, WI 54880	189 X 18 GD	<u>274</u>	
	252 X 25 GD	527 <u>2/</u> 49	
Web Address: www.frasershipyards.cc	om		
Marinette Marine Corporation		1/ Construction and repair of medium to small vessels.	
1600 Ely Street		651	
Marinette, WI 54143-2434	(2) 122 X 24 LL	651	
	46 X 15 LL	<u>2/</u> 891	
	(3) 76 X 15 LL		
	76 X 20 LL		
	37 X 9 SL		
Web Address: www.marinettemarine.c	om		
Metro Machine Corporation - Industrial	Products Division	1/ Construction, repair, and	
Foot of Holland Street		conversion.	
Erie, PA 16507	205 V 22 CD	366	
,	305 X 32 GD		
Web Address: www.memach.com		<u> </u>	

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

# **GREAT LAKES**

# Other Shipyards with Building Positions

(Maximum ship size that can exit the St. Lawrence Seaway locks is 222 meters X 24 meters)

Toledo Ship Repair Company
2245 Front Street
Toledo, OH 43605-1231
152 X 21 GD
223 X 22 GD

Toledo, OH 43605-1231
152 X 21 GD
223 X 22 GD

Toledo, OH 43605-1231
152 X 21 GD
223 X 22 GD

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

# **GREAT LAKES**

# **Topside Repair Yards**

(Maximum ship size that can exit the St. Lawrence Seaway locks is 222 meters X 24 meters)

H. Hansen Industries 2824 N. Summit Street Toledo, OH 43611 Web Address: - NOT AVAILABLE -		226 451	<ul><li>1/ General ship repair.</li><li>2/ 60</li></ul>
Nicholson Terminal & Dock Company P.O. Box 18066 River Rouge, MI 48218 Web Address: www.nicholson-terminal.com	69 X 16 FD	701 1,097	1/ General ship repair. 2/ 80

(Vessels 122 Meters in Length and Over)

	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	<u>Remarks</u>
Shipyard Name and Address	SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	<ul><li>1/ Type of work usually engaged in</li><li>2/ Employment - Mid 2004</li><li>Lengths are in Meters</li></ul>

# **NON-CONUS**

# Repair Yards with Drydock Facilities

Alaska Ship & Drydock, Inc. 3801 Tongass Avenue			1/ Ship and vessel repair.
Ketchikan, AK 99901	137 X 32 FD	305 305	<u>2/</u> 70
Web Address: - NOT AVAILABLE -			
Marisco, Ltd. 91-607 Malakole Road			1/ General ship repair.
Kapolei, HI 96707	116 X 16 FD	<u>34</u> 34	
	190 X 28 FD	04	<u>2/</u> 126
Web Address: www.marisco.net			
Pacific Shipyards International P.O. Box 30989		242	1/ General ship repair and overhaul.
Honolulu, HI 96820	122 X 32 FD	<u>213</u> 213	0/ 05
	55 X 24 FD		<u>2/</u> 95
Web Address: www.pacificshipyards.com			

# APPENDIX C

# MEDIUM AND SMALL SIZE U.S. SHIPYARDS

# MEDIUM AND SMALL SIZE U.S. SHIPYARDS CLASSIFICATION DEFINITIONS

### **Boatbuilding and Repair Companies**

Boatbuilding and Repair Companies are those privately owned shipyards capable of building and/or repairing maritime vessels less than 122 meters (400 feet) in length.

# Vessel Repair Companies

Vessel Repair Companies are those facilities that only provide repair services, either repair with drydocking or topside repair, to maritime vessels less than 122 meters (400 feet). These companies must have their own waterfront facilities.

#### Fabricators / Manufacturers of Maritime Vessels

Fabricators / Manufacturers of Maritime Vessels are companies that build small commercial crafts less than 76 meters (250 feet).

# Barge Building and Repair Companies

Barge Building and Repair Companies are companies that build or repair barges.

# Recreational Crafts (builders/repair)

Recreational Crafts (builders/repair) are yards that build and repair recreational crafts such as yachts.

# No Facility Information Available

No Facility Information Available are shipyards for which we have no specific facility information.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Boatbuilding and Repair Companies**

# **EAST COAST**

Chesapeake Shipbuilding Corporation 710 Fitzwater Street Salisbury, MD 21801		46 X 1 91 X 1		122 131	Construction of small excursion and passenger vessels.
Web Address: - NOT AVAILABLE -					
Gladding-Hearn Shipbuilding One Riverside Avenue Somerset, MA 02726-0300 Web Address: www.gladding-hearn.com		61 X 1	5 SW	<u>38</u> 38	Construction of small vessels including catamaran ferries.
Yank Marine Mosquito Landing Road Tuckahoe, NJ 08250	(4)		TR		Builds and repairs small vessels.
Web Address: - NOT AVAILABLE -					

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Boatbuilding and Repair Companies**

Allied Shipyard, Inc.						Construction, repair, and conversion of small vessels.
P.O. Box 1240						conversion of small vessels.
La Rose, LA 70373	(2)	22 X	8	SW	107	
		57 X	14	FD	364	
		64 X				
		64 X				
	(2)	52 X	12	MR		
Web Address: - NOT AVAILABLE -						
Bollinger Gretna, LLC						Construction and repair of
4640 Peters Road						OPA90 tank barges and inland
Harvey, LA 70058		183 X	20	CD	396	and offshore vessels.
•		98 X			743	
		99 X			743	
		67 X				
Web Address: www.bollingershipyards.o	com					
Bollinger Larose, LLC						Repair of marine vessels
1515 Hwy. 24						including barges, OSV's, tugs,
Larose, LA 70373					000	etc
Laiose, LA 70373		107 X	_		229	
	(0)	122 X			527	
	(2)	76 X 101 X				
Web Address: www.bollingershipyards.o	com	101 \	24	IVIK		
Bollinger Marine Fabricators, LLC						Construction and conversions
816 Bollinger Lane						of OSV's, tugs, OPA90 barges
Amelia, LA 70340		91 X	46	SW	152	etc.
		J. 70	.5		777	
Web Address: www.bollingershipyards.o	nom					

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Boatbuilding and Repair Companies**

#### **GULF COAST**

Bollinger Morgan City, LLC 806 Bollinger Lane Amelia, LA 70340

elia, LA 70340 122 X 30 FD 55 X 18 FD

61 X 16 FD 64 X 21 FD

Web Address: www.bollingershipyards.com

Bollinger Quick Repair, LLC 615 Destrehan Avenue

Harvey, LA 70058

(2) 46 X 18 FD

(2) 76 X 18 FD

(2) 76 X 22 FD

Web Address: www.bollingershipyards.com

**Breaux Brothers** 

P.O. Box 550

Loreauville, LA 70552-0550

Web Address: - NOT AVAILABLE -

Breaux's Bay Craft, Inc.

P.O. Box 306

Loreauville, LA 70552

Web Address: - NOT AVAILABLE -

Repair of small boats.

Repair of OSV's. tugs, barges,

liftboats, rigs, etc.

Construction of small boats.

Construction of small boats.

	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
Shipyard Name and Address	FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# **Boatbuilding and Repair Companies**

<u> Boatst</u>	manig ana Rep	an Companie	<u>o</u>
GULF COAST			
C & G Boat Works			Boat building and repair.
8685 E. Davenport Street			
La Batre, AL 36509-2115			
Web Address: - NOT AVAILABLE -			
Conrad Aluminum			Aluminum construction and
9752 Hwy, 182 East			repairs.
Amelia, LA 70380	TR	91	
		183	
Web Address: www.conradindustries.com			
Conrad Decouvator			Vessel repair and conversion
Conrad Deepwater 290 Duhon Bypass Road			Vessel repair and conversion.
Amolia I A 70340			
Amelia, LA 70340 (2	) 76 X 17 FD 85 X 49 FD		
	91 X 24 FD		
Web Address: www.conradindustries.com	*****		
Conrad Shipyard L.L.C. Margan City			Construction of small vessels.
Conrad Shipyard, L.L.C. Morgan City P.O. Box 790			Construction of small vessels.
Morgan City, LA 70381	40.1/ 45.01/	610	
(2	46 X 15 SW ) 73 X 22 SW	774	
(2	15 X 15 FD	774	
(2			
Web Address: www.conradindustries.com			
Crumpler's Shiphuilding Company Inc.			Poor building and refurbishing
Crumpler's Shipbuilding Company, Inc. P.O. Box 2067			Boat building and refurbishing.
Orange, TX 77631	40 V 44 FD	70	
go,	46 X 14 FD	<del>70</del>	
Web Address: - NOT AVAILABLE -			

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Boatbuilding and Repair Companies**

#### **GULF COAST**

Eastern Shipbuilding Group Construction and repair of small vessels. P.O. Box 960 Panama City, FL 32402 Web Address: www.easternshipbuilding.com Freeport Shipbuilding Group Construction of passenger vessels and work boats. P.O. Box 49 Freeport, FL 32439-0049 91 X 23 LL 30 X 9 MR Web Address: www.freeportshipbuilding.com **GEO Shipyards** Construction of small vessels. P.O. Box 9622 New Iberia, LA 70562 Web Address: - NOT AVAILABLE -Glendale Boat Works, Inc. Towboat construction and repair. 18300 Market Street Channelview, TX 77530 27 X 15 GD Web Address: - NOT AVAILABLE -Halimar Shipyard Builds small feriies and supply boats. PO Box 2727 Morgan City, LA 70381 Web Address: - NOT AVAILABLE -

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Boatbuilding and Repair Companies**

#### **GULF COAST**

GULF COAST					
Horizon Shipbuilding, Inc.					Construction and repair of
13980 Shell Road					marine vessels.
Bayou La Batre, AL 36509	61 X	16	SW	213	
	47 X	9	MR	213	
Web Address: www.horizonshipbuilding.com					
Houma Fabricators - Shipyard De Hoop of Houma	a, Inc.				Construction of small vessels.
1100 Oak Street					
Houma, LA 70363	91 X	23	SW	107	
Web Address: - NOT AVAILABLE -				107	
Intracoastal Marine Repair, LLC					Repairs small boats and barges.
18938 Live Oak Road					Repairs small boats and barges.
Abbeville, LA 70510					
Abbeville, EA 70010	15 X 17 X		FD		
	17 X 18 X		FD FD		
	24 X		FD		
Web Address: www.A-ZITO.com					
Kennedy Ship and Repair					Construction, repair, refit and
6200 Harborside Drive					conversion of all vessels to
Galveston, TX 77554-2841	91 X	29	GD		91 meters.
Web Address: www.kennedyship.com					

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Boatbuilding and Repair Companies**

**GULF COAST** Kody Marine, Inc. Builds small boats. 600 Peters Road Harvey, LA 70058-1705 29 X 16 GD Web Address: - NOT AVAILABLE -LEEVAC Industries, LLC Construction and conversion of medium and small vessels. P.O. Box 1190 Jennings, LA 70546 305 (2) 128 X 27 SW 488 147 X 23 GD 91 X 18 FD Web Address: - NOT AVAILABLE -Mississippi Marine Corporation Construction and repair of inland and offshore marine 2219 Harbor Front Road vessels. Greenville, MS 38702-0539 46 X 15 SW 76 X 30 SW 122 X 18 FD 122 X 19 FD 61 X 21 FD 91 X 17 FD 91 X 21 FD 99 X 20 FD Web Address: www.msmarine.net North American Shipbuilding Company Construction of small vessels. P.O. Drawer 580 Larose, LA 70373 Web Address: www.chouest.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Boatbuilding and Repair Companies**

GULF COAST			
Northrop Grumman Ship Systems, Gulfport Operat 13303 Industrial Seaway Road Gulfport, MS 39503	Construction of small vessels, steel and composite material.		
Web Address: www.northropgrumannshipsystem	ns.com	76	
Patti Shipyard, Inc. P.O. Box 271 Pensacola, FL 32507-1374	107 X 17 SW		Construction of vessels to 107 meters.
Web Address: www.pattibuilt.com			
Quality Shipyards, LLC P.O. Box 1817			Construction, repair, and conversion of boats and barges.
Houma, LA 70361-1817 (2)	168 X 30 SW 58 X 20 FD 70 X 17 FD 76 X 24 FD	<u>374</u> 695	
Web Address: - NOT AVAILABLE -			
R & R Marine Maintenance P.O. Box 1660 Groves, TX 77619	61 X 26 FD		Small vessel repair and construction.
Web Address: - NOT AVAILABLE -			
Rodriguez Boat Builders, Inc. P.O. Box 842 Bayou La Batre, AL 36509	27 X 3 SW	<u>6</u>	Construction of small vessels.
Web Address: www.boatbuilderonline.com			

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Boatbuilding and Repair Companies**

GULF COAST				
Sneed Shipbuilding, Inc., Channelview 17112 Market Street			Construction and repair of small vessels.	
Channelview, TX 77530	31 X 17 FD			
	37 X 21 FD			
	49 X 17 FD			
Web Address: - NOT AVAILABLE -				
Sneed Shipbuilding, Inc., Orange			Construction and repair of small	
2011 Dupont Drive			vessels.	
Orange, TX 77630-7315		46		
Web Address: - NOT AVAILABLE -		137		
Sun State Marine Services, Inc.			Construction and repair of	
P.O. Box 1167, Reynolds Industrial Park			vessels to 91 meters.	
Greencove, FL 32043				
Web Address: www.seabulkinternational	.com/ourcompanies/sunstatem			
Textron Marine and Land Systems, Divisio	n of Textron, Inc.		Builds small boats and ACV'S.	
19401 Chef Menteur Highway				
New Orleans, LA 70129	(3) 69 X 15 LL	<u>262</u> 498		
Web Address: www.textron.com				
VT - Halter Moss Point Marine			Construction and repair of small	
7801 Trinity Drive			vessels.	
Escatawapa, MS 39552	400 V 00 CW/	217		
	133 X 29 SW	217		
Web Address: - NOT AVAILABLE -		211		

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in
	LL Land Level Position SL Syncrolift TR Travel Lift		Lengths are in Meters

# **Boatbuilding and Repair Companies**

# **WEST COAST**

WEST SOAST			
Al Larson Boat Shop			Construction and repair of small
1046 South Seaside Avenue			vessels.
Terminal Island, CA 90731	34 X 8 SW	110	
	37 X 8 SW	387	
	40 X 10 SW		
	55 X 20 SW		
	76 X 12 FD		
Web Address: www.larsonboat.com			
MARCO Shipyard, Seattle			Construction and repair of
2300 W. Commodore Way			vessels to 76 meters.
Seattle, WA 98199	24. \( \) 2. \( \) 2. \( \)	49	
Joanne, 1111 55155	24 X 9 SW 37 X 11 SW	244	
	67 X 11 SW	244	
	37 X 10 3W		
	67 X 16 FD		
	24 X 9 SL		
Web Address: www.marcoseattle.com			
Marine Industries Northwest, Inc.			Topside repair yard.
P.O. Box 1275			
Tacoma, WA 98401-1275	119 X 17 FD	122	
	61 X 15 MR	183	
Web Address: www.mininw.com	OT A TO WITH	100	
Nichols Brothers Boat Builders, Inc.			Boat construction and repair.
P.O. Box 580			
Freeland, WA 98249			
Web Address: www.nicholsboats.com			

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in
	LL Land Level Position SL Syncrolift TR Travel Lift		Lengths are in Meters

### **Boatbuilding and Repair Companies**

#### **WEST COAST**

Northlake Shipyard, Inc. Repair of small vessels. 1441 North Northlake Way Seattle, WA 98103 58 X 12 FD 85 X 12 FD Web Address: - NOT AVAILABLE -Southern Oregon Marine, Inc. (SOMAR) Construction and repair of small vessels. 155 East Market Avenue Coos Bay, OR 97420 107 X 30 SW 61 X 13 FD Web Address: - NOT AVAILABLE -Builds aluminum work boats to William E. Munson Company

15 meters.

Web Address: www.munsonboats.com

17183 Bennett Road Mt. Vernon, WA 98273

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Boatbuilding and Repair Companies**

#### **INLAND**

Marine Builders, Inc. 208 Church Street

Utica, IN 47130

46 X 9 SW

Web Address: www.marineworks.com/mbi.html

National Maintenance & Repair, Inc.

Foot of Hawthorne Street

Hartford, IL 62048-0038

18 X 16 FD (2) 43 X 18 FD

49 X 16 FD

61 X 16 FD 61 X 17 FD

Web Address: www.nmrinc.com

SeaArk Marine, Inc. P.O. Box 210

Monticello, AR 71655

Web Address: www.seaark.com

Builds aluminum boats in the 5 meters to 20 meter range.

Construction of small vessels.

Builds and repair small vessels.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Boatbuilding and Repair Companies**

#### **NON-CONUS**

Seward Ship's Drydock, Inc.

P.O. Box 944

Seward, AK 99664

107 X 24 LL
(2) 55 X 24 LL
40 X 10 TR
107 X 23 SL

Web Address: www.sewardships.com

Conversion and repair of small vessels.

251

251

Web Address: www.sewardships.com

	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
Shipyard Name and Address	FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### **Vessel Repair Companies**

#### **EAST COAST** Anfrank Metal Fabricating Ind., Inc. General ship repair. The Brooklyn Navy Yard Brooklyn, NY 11205 Web Address: - NOT AVAILABLE -B & A Marine Company, Inc. General ship repair. 75 Huntington Street Brooklyn, NY 11231 229 229 Web Address: www.bamarine.com Davis Boat Works, Inc. Repair and conversion of small boats and vessels. 99 Jefferson Avenue Newport News, VA 23607 43 X 11 TR Web Address: www.davisboat.com Lyon Shipyard, Inc. General ship repair. Foot of Brown Avenue Norfolk, VA 23501 107 73 X 24 FD 555 91 X 23 FD 61 X 11 MR Web Address: www.lyonshipyard.com May Ship Repair Contracting Corporation General ship repair. 3075 Richmond Terrace Staten Island, NY 10303 122 X 14 FD 152 X 23 FD Web Address: www.mayship.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Vessel Repair Companies**

#### **EAST COAST**

Ocean Marine Yacht Center			Repair of small navy boats and yachts.
1 Crawford Court			ydonio.
Portsmouth, VA 23704	76 X 12 SL	91	
Web Address: www.oceanmarinellc.com		91	
Thames Shipyard & Repair Company, Inc.			General ship repair.
			General ship repair.
Two Ferry Street	107 X 30 FD	122	General ship repair.
Thames Shipyard & Repair Company, Inc. Two Ferry Street New London, CT 06320	107 X 30 FD 49 X 17 FD	122 198	General ship repair.

Shipyard Name and Address
------------------------------

# **Vessel Repair Companies**

#### **GULF COAST**

A & B Industries P.O. Box 1137						Small vessel construction and repair.
Amelia, LA 70340		00 V	•	0)4/	70	
	(2)	30 X 56 X	_	SW	177	
	(2)	30 X			177	
		43 X	17	FD		
Web Address: www.ab-industries.com						
Berwick Shipyard Corporation						Drydocking and repair of
Box 168						commerical vessels up to 76 meters.
Berwick, LA 70342						ro motors.
Web Address: - NOT AVAILABLE -						
Bollinger Amelia Repair, LLC						Repair and drydocking of tugs,
606 Ford Industrial Road						OSV's, liftboats, barges and other marine vessels.
Amelia, LA 70340		37 X	10	FD		other manne vessels.
	(2)	61 X				
		91 X	25	MR		
Web Address: www.bollingershipyards.	com					
Bollinger Fourchon, LLC						General vessel reapir at
106 Norman Doucet Drive						dockside. Rig repair and
Golden Meadow, LA 70357					107	conversion.
Web Address: www.bollingershipyards.	com				107	
D 1 01: 1 1						B : 1: 1 :
Border Shipyards, Inc.						Repairs shrimp boats.
HC 70 Box 5						
Brownsville, TX 78521						
Web Address: - NOT AVAILABLE -						

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Vessel Repair Companies**

#### **GULF COAST**

Burton Shipyard, Inc. P.O. Box 278

Bridge City, TX 77611

49 X 15 FD (2) 49 X 17 FD

Web Address: www.burtonshipyard.com

Hudson Drydocks, Inc.

P.O. Box 1781

Morgan City, LA 70381

34 X 12 FD 55 X 18 FD

67 X 28 FD

Web Address: www.hudsondrydocks.com

Kiva Construction & Engineering, Inc.

P.O. Drawer 40 Anahuac, TX 77514

Web Address: - NOT AVAILABLE -

Kremer Marine, Inc. 1408 Cowan Road Gulfport, MS 39507

Web Address: - NOT AVAILABLE -

Repairs tugs, barges and offshore vessels.

Repair of small vessels.

Maintains their own fleet of tug

boats.

244

244

Repairs vessels up to 20 meters.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

#### **Vessel Repair Companies**

#### **GULF COAST**

Web Address: www.seacraftshipyard.com

LA Dock Company, Baton Rouge Shipyard Repair of small vessels. 4780 North River Road Port Allen, LA 70767 53 X 11 FD 59 X 11 FD Web Address: - NOT AVAILABLE -Ocean Technical Services, Inc. Repair of small boats. 1140 Peters Road Harvey, LA 70058 179 179 Web Address: www.oceantech.com R & R Marine Fabrication and Drydock Small vessel and barge fabrication and repiar. 5700 Proctor Street Extension Port Arthur, TX 77642 457 76 X 24 FD 457 Web Address: - NOT AVAILABLE -R & R Marine Fabrication and Drydock, North Yard Topside marine repair. 7200 Highway 87 East Port Arthur, TX 77642 457 457 Web Address: - NOT AVAILABLE -Seacraft Shipyard Corporation Repair and conversion of small boats and ferries. P.O. Drawer 1550 Amelia, LA 70340-1550 46 X 9 TR 56 X 15 FD

56 X 21 FD

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Vessel Repair Companies**

#### **GULF COAST**

Southwest Marine, Inc., Ingleside Division Repair of small vessels. P.O. Box 999 Ingleside, TX 78362 214 214 Web Address: www.usmarinerepair.com Tri-Kat Marine, Inc. Repairs small boats. 1408 Cowan Road Gulfport, MS 39507 Web Address: - NOT AVAILABLE -Violet Dock Port, Inc. LLC Vessel lay-up. 6500 St. Bernard Highway Violet, LA 70092 Web Address: - NOT AVAILABLE -Williamson Boat Works Repair of small boats. 1008 Boat Works Roaf Riviera, TX 78379 Web Address: - NOT AVAILABLE -Zimco Marine, Inc. Repairs small boats. 400 Washington Street Port Isabel, TX 78578 37 X 8 MR Web Address: - NOT AVAILABLE -

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Vessel Repair Companies**

-			Repair of small vessels.
24 X 7 31 X 10	MR MR		
24 X 7 31 X 10	MR MR		
S1 X 10	MR		
-			
91 X 10	MR		
			Ship repair, maintenance, and
			conversion.
	_		
		193	
51 X 13	FD		
			General repair of commercial
			vessels.
		91	
14 X 11	SL		
			Panair of small hoots
			Repair of small boats.
50 X 11	MR	320	
1 1 1	41 X 10 61 X 13 37 X 7 49 X 10 44 X 11	21 X 29 GD 41 X 10 FD 51 X 13 FD 37 X 7 MR 49 X 10 MR 44 X 11 SL 21 X 6 TR 50 X 11 MR	11 X 10 FD 193  193  194 X 13 FD  193  194 X 13 FD  195  197  198  199  199  199  199  199  199

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Vessel Repair Companies**

# **WEST COAST**

Ventura Harbor Boatyard, Inc.

1415 Spinnaker Drive

Ventura, CA 93001-4339

17 X 5 TR 55 145

Web Address: www.vhby.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Vessel Repair Companies**

#### **GREAT LAKES**

Vinette Company 1212 19th Avenue North Escanaba, MI 49829

18 X 5 TR 24 X 7 TR

Web Address: - NOT AVAILABLE -

Repair of small vessels to 36 meters.

	Maximum Ship Size (LOA X Beam) SW Shipway GD Graving Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
Shipyard Name and Address	FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# **Vessel Repair Companies**

Great Lakes Towing Shipyard				Repair of small vessels with drydocking.
1800 Terminal Tower Cleveland, OH 44113			205	aryadoking.
Giovolana, Gri Titto		37 X 11 FD	305 305	
Web Address: - NOT AVAILABLE -				
James Marine, Inc.				Repair of small vessels.
P.O. Box 2305				
Paducah, KY 42002-2305		15 X 14 FD		
		34 X 20 FD		
		49 X 20 FD		
		58 X 21 FD 61 X 18 FD		
		61 X 19 FD		
	(2)	61 X 20 FD		
Web Address: - NOT AVAILABLE -				
Missouri Drydock & Repair Company				Repair of inland river boats.
P.O. Box 700				·
Cape Girardeau, MO 63701	(2)	76 X 16 FD		
	( )			
Web Address: - NOT AVAILABLE -				
Walker Paducah Corporation				Repair and drydocking of
P.O. Box 1400				towboats and barges.
Paducah, KY 42002-1400		52 X 17 FD		
		61 X 16 FD		
		64 X 16 FD		
		70 X 19 FD		
		88 X 25 FD		
Web Address: - NOT AVAILABLE -				

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Vessel Repair Companies**

### **NON-CONUS**

Honolulu Marine, Inc.

123 Ahui Street

Honolulu, HI 96813

Web Address: - NOT AVAILABLE 
Repair and construction of small boats.

Repair and construction of small boats.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# Fabricators/Manufacturers of Maritime Vessels

EAST COAST			
Blount Boats, Inc.			Designs and builds small
461 Water Street			vessels to 69 meters.
Warren, RI 02885	69 X 15 SW	67	
Web Address: www.blountbarker.com		165	
Boston Whaler, Inc.			Builds fiberglass boats up to
4121 South U.S. Highway One			10 meters in length and fishing vessels 4 meters to 9 meters.
Edgewater, FL 32141-7221			vessels 4 meters too meters.
Web Address: www.whaler.com			
Derecktor Shipyards Connecticut			Builds & services aluminum
837 Seaview Avenue			boats to 700 GT.
Bridgeport, CT 06607-1607	76 X 19 TR		
Web Address: www.derecktor.com			
Derecktor Shipyards New York			New construction and repair of
311 East Boston Post Road			vessels up to 46 meters.
Mamaroneck, NY 10543	40 X 9 LL	48	
,	61 X 15 LL	191	
	01 X 10 LL		
Web Address: www.derecktor.com			
Ellicott International			Builds small dredges.
1611 Bush Street			Č
Baltimore, MD 21230			
Web Address: www.dredge.com			

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in
	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift		Lengths are in Meters

# Fabricators/Manufacturers of Maritime Vessels

EAST COAST			
Global Ship Systems 301 N. Lathrop Avenue Savannah, GA 31415	55 X 12 LL 152 X 17 GD * 56 X 12 MR	244 457	Repair of yachts and small boats.
Web Address: www.globalshipsystems.com			<ul> <li>Can accomodate ships up to 366 meters in length. Used for repair only.</li> </ul>
H & H Marine, Inc. U.S. Route 1 Steuben, ME 04680			Builds fiberglass lobster boats.
Web Address: - NOT AVAILABLE -			
Muller Boat Works, Inc. 2214 E. 69th Street Brooklyn, NY 11234	39 X 9 FD 40 X 10 FD		Small boat construction and repair.
Web Address: - NOT AVAILABLE -			
Stevens Marine Services, Inc. 4170 Hwy 165			Repair of small vessels and barge construction.
Yonges Island, SC 29448	37 X 10 MR 55 X 14 MR 76 X 24 MR	107 168	
Web Address: www.stevens-towing.com/shi	pyard.html		

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in
	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift		Lengths are in Meters

### Fabricators/Manufacturers of Maritime Vessels

#### **EAST COAST**

Thomas Marine, Inc. 37 Bransford Street Patchogue, NY 11772

Web Address: - NOT AVAILABLE -

Washburn & Doughty Assoc., Inc.

P.O. Box 226

East Boothbay, ME 04544

29 X 10 SW 61 X 12 SW

Web Address: www.washburndoughty.com

Winninghoff Boats, Inc. Warehouse Lane Rowley, MA 01969

Web Address: - NOT AVAILABLE -

Builds aluminum work boats to

15 meters.

Builders of aluminum and steel vessels to 61 meters.

Builds small aluminum boats.

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in
	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift		Lengths are in Meters

#### Fabricators/Manufacturers of Maritime Vessels

#### **GULF COAST**

Fabricator of offshore oil/gas Aker Gulf Marine FM1069 South Aransas, TX 78335 Web Address: - NOT AVAILABLE -**Boconco Shipyard** Builds small utility boats. 14530 Shell Belt Road Bayou La Batre, AL 36509 Web Address: - NOT AVAILABLE -Farmer's Marine Copper Works, Inc. Fabrication for oil rigs. P.O. Box 748 Galveston, TX 77553 Web Address: - NOT AVAILABLE -Gulf County Shipbuilding Small boat construction. 511 Old Dynamite Dock Road Port St. Joe, FL 32456-6365 91 X 12 MR Web Address: www.gcship.com Gulf Craft, Inc. Builds small boats. 3904 Highway 182 Patterson, LA 70392 Web Address: www.gulfcraftinc.com

Chinyard Nama	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock		Remarks Type of work usually engaged in
Shipyard Name and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# Fabricators/Manufacturers of Maritime Vessels

### **GULF COAST**

Harrison Bros. Dry Dock, Inc.			Builder of small boats and
P.O. Box 1843			general vessel repair.
Mobile, AL 36633-1843	40 X 11 FD	168	
	50 X 24 FD	395	
Web Address: www.harrisonbrothers.com			
Hope Services, Inc.			Builds OSV's, tugs and boats to
P.O. Box 9157			46 meters.
Houma, LA 70361		1,067	
Web Address: - NOT AVAILABLE -		1,067	
Inland Boat Works			Construction of small boats and
2842 E. Roundbunch Road			barges.
Orange, TX 77630			
Web Address: - NOT AVAILABLE -			
Island Boats, Inc.			Builds aluminum boats to
5109 East Old Spanish Trail			30 meters.
Jeanerette, LA 70544	30 X 11 MR		
Web Address: www.islandboats.com			
John Bludworth Shipyard, LLC			Repair and construction of
P.O. Box 2441			boats and barges.
Corpus Christi, TX 78403	107 X 25 FD	35	
	101 A 23 FD	101	
Web Address: www.jbludshipyard.com		-	

Chinyard Nama	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock		Remarks Type of work usually engaged in
Shipyard Name and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### Fabricators/Manufacturers of Maritime Vessels

#### **GULF COAST**

Keith Marine, Inc. P.O. Box 187

Palatka, FL 32178-0187

Web Address: www.keithmarine.com

Kiewit Offshore Services 2440 Kiewit Road Ingleside, TX 78362

Web Address: - NOT AVAILABLE -

LeTourneau P.O. Box 2307

Longview, TX 75606

(2) 119 X 91 SW (2) 134 X 107 LL 76 X 76 LL

24 X 12 FD

43 X 16 FD 46 X 15 FD 49 X 21 FD 61 X 27 FD

Web Address: www.letourneau-inc.com

Main Iron Works, Inc.

P.O. Box 1918 Houma, LA 70361

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Web Address: - NOT AVAILABLE -

Offshore oil rig construction.

Builds small boats.

Fabrication of offshore

structures.

Builds small boats.

152

335

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### Fabricators/Manufacturers of Maritime Vessels

#### **GULF COAST**

Mariner Shipyard Services

P.O. Box 84579

Baton Rouge, LA 70884

Web Address: - NOT AVAILABLE -

Master Boat Builders, Inc.

P.O. Box 702

Bayou La Batre, AL 36509

41 X 9 LL 46 X 11 LL 82 X 18 LL

Web Address: www.masterboatbuildersinc.com

Master Marine, Inc.

P.O. Box 665

Bayou La Batre, AL 36509

29 X 7 SW 40 X 9 SW 50 X 12 SW 34 X 8 FD 56 X 13 FD

Web Address: - NOT AVAILABLE -

Midship Marine 1901 Destrehan Avenue Harvey, LA 70058-1101

Web Address: - NOT AVAILABLE -

Construction and repair of small

vessels.

Builds small boats.

Boat building and repair.

Builds aluminum boats to 49 meters.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### Fabricators/Manufacturers of Maritime Vessels

#### **GULF COAST**

Neuville Boat Works, Inc. Builds aluminum boats 12 meters to 43 meters. 6402 Daspit Road New Iberia, LA 70560 Web Address: - NOT AVAILABLE -Fabrication and drill rig **Premier Industries** conversions. 3450 Peters Road Harvey, LA 70058 Web Address: - NOT AVAILABLE -Progressive Industrial Builds tugs and OSVs. 1412 18th Avenue Drive, East Palmetto, FL 34221-6500 Web Address: - NOT AVAILABLE -Builds small boats. Queen Craft Shipyard 3615 Calhoun Avenue Panama City, FL 32405 Web Address: - NOT AVAILABLE -Royal Crown Yachts Builds small catamaran ferries and yachts. 5212 W. Tyson Avenue Tampa Bay, FL 33611-3225 Web Address: - NOT AVAILABLE -

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

#### Fabricators/Manufacturers of Maritime Vessels

# **GULF COAST** Sea-Fab, Inc. Small boat construction. 4111 Cedar Street Pascagoula, MS 39567 Web Address: - NOT AVAILABLE -SEMCO Builds tugs and OSV's. P.O. Box 460 LaFitte, LA 70067-5314 Web Address: - NOT AVAILABLE -Signal International, LLC - West Yard Repair of offshore oil rigs. 3400 Litton Road Pascagoula, MS 39568 Web Address: www.signalint.com Builds small boats. St. Augustine Marine 404 South Riberia Street, Suite A St. Augistine, FL 32084 Web Address: - NOT AVAILABLE -Swiftships Shipbuilders, LLC Builds small vessels. 1105 Levee Road, P.O. Box 2869 Morgan City, LA 70381 549 43 X 9 SW 584 Web Address: www.swiftships.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### Fabricators/Manufacturers of Maritime Vessels

#### **GULF COAST**

Thoma-Sea Boat Builders, Inc.

P.O. Box 53 Bourg, LA 70343

Web Address: - NOT AVAILABLE -

United States Marine, Inc. 19807 Chef Meneur Highway

New Orleans, LA 70129

Orieans, LA 70129 14 X 4 MR

Web Address: www.usmi.com

Verret Shipyard 29120 Highway 75

Plaquemine, LA 70764-6101

91 X 9 LL

Web Address: - NOT AVAILABLE -

Builds OSV's and tug boats.

Builds small aluminum and composite boats up to

25 meters.

Builds small boats.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### Fabricators/Manufacturers of Maritime Vessels

# **WEST COAST** All American Marine, Inc. Builds aluminum boats. 201 Harris Avenue Bellingham, WA 98225-7018 Web Address: www.allamericanmarine.com Aluminum Marine Construction, Inc. (ALMAR)/Northriver Boats Inc. Builds aluminum boats up to 11 meters. PO Box 1460 Roseburg, OR 97470-0351 Web Address: www.almarboats.com Anderson's Boat Yard, Inc. P.O. Box 326 Sausalito, CA 94966 Web Address: - NOT AVAILABLE -Guardian Marine International, LLC Consolidates ships sections built at other shipyards. 9011 185th Place, SW Edmond, WA 98026-5728 Web Address: - NOT AVAILABLE -Kvichak Marine Industries. Inc. Aluminum vessel construction and repair.

15 15

469 NW Bowdoin Place Seattle, WA 98107

Web Address: www.kvichak.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# Fabricators/Manufacturers of Maritime Vessels

WEST COAST	
Modutech Marine, Inc.	Builds small boats.
2218 Marine View Drive	
Tacoma, WA 98422	
Web Address: - NOT AVAILABLE -	
Moose Boats	Builds catamran boats up to 11 meters in length.
201 Willow Road	i i meters in length.
Nicasio, CA 94946	
Web Address: www.mooseboats.com	
Northwind Marine, Inc.	Builds small vessels.
511 South Webster Street	
Seattle, WA 98108-4138	
Web Address: - NOT AVAILABLE -	
Oregon Iron Works, Inc. Marine Division	Fabricated structural materials.
3515 SouthEast Columbia Way	
Vancouver, WA 98661	
Web Address: www.oriron.com	
Rozema Boat Works	Builds small aluminum boats.
11130 Bayview Edison Road	
Mount Vernon, WA 98273-8216	
Web Address: - NOT AVAILABLE -	
-	

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### Fabricators/Manufacturers of Maritime Vessels

#### **WEST COAST**

SAFE Boats International Builds foam stabilized aluminum boats to 14 meters. 8800 Barney White Road Port Orchard, WA 98367 Web Address: - NOT AVAILABLE -SWATH Ocean Systems, Inc. Construction of SWATH designed vessels 997 G Street Chula Vista, CA 91910-3414 Web Address: - NOT AVAILABLE -Western Towboat Company Builds tugs to 37 meters for their own use. 617 N.W. 40th Street Seattle, WA 98107 113 X 24 LL Web Address: www.westerntowboat.com Willard Marine, Inc. Builds small fiberglass and aluminum boats. 1250 North Grove Street Anaheim, CA 92806 Web Address: www.willardmarine.com Workskiff, Inc. Builds aluminum boats under 9 meters. 880 North Hill Blvd Burlington, WA 98233 Web Address: www.workskiff.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# Fabricators/Manufacturers of Maritime Vessels

#### **GREAT LAKES**

Mission Marine, Ltd. 1414 First Street Sandusky, OH 44870

Web Address: www.missionmarine.com

Skipperliner Industries, Inc. 621 Park Plaza Drive LaCrosse, WI 54601

Web Address: - NOT AVAILABLE -

Fabrication of small aluminum vessels under 9 meters.

Builds small boats.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# Fabricators/Manufacturers of Maritime Vessels

91 X 15 FD

#### **INLAND**

Bentz Boats, LLC 613 Bryden #C Lewiston, ID 83501 Builds commercial aluminum jet boats for shallow and coastal water use.

Web Address: www.bentzboats.com

Mark Steel 1230 West 200 South Salt Lake City, UT 84104 Builds small ferries.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# Fabricators/Manufacturers of Maritime Vessels

#### **NON-CONUS**

Allen Marine, Inc.

1512 Sawmill Creek Road

Sitka, AK 99835-9703

20 X 7 TR 366
30 X 9 TR

Web Address: www.allenmarineboats.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# **Barge Building and Repair Companies**

# **EAST COAST**

SENESCO Marine 10 MacNaught Street, P.O. Box 377 North Kingtown, RI 02852	(2) 107 X 30 SW 366 99 X 24 FD 366	Builds and repairs barges and marine vessels.
Web Address: www.senescomarine.com		
TEC Skanska P.O. Box 57		Barge builder.
Norfolk, VA 23501  Web Address: - NOT AVAILABLE -	107 X 24 SW 64 128	

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### **Barge Building and Repair Companies**

#### **GULF COAST**

Barnett Marine, Inc. Construction, repair, and conversion of barges. 2709 Concord Road Belle Chasse, LA 70037 42 X 18 FD 45 X 24 FD 46 X 30 FD Web Address: - NOT AVAILABLE -Bay Fabrication, Inc. Barge repair. P.O. Box 537 Ama, LA 70031-0537 Web Address: - NOT AVAILABLE -Channel Shipyard Company, Inc. Barge and tank cleaning. P.O. Box 926 Highlands, TX 77571 Web Address: - NOT AVAILABLE -David Industries, Inc. Repair of barges and small vessels. P.O. Box 425 Cut Off, LA 70373 Web Address: - NOT AVAILABLE -Elmwood Drydock & Repair, Inc., Baton Rouge Barge repair. Mile Marker 225 Baton Rouge, LA 70801 17 X 63 FD 61 X 18 FD Web Address: www.elmwoodmarine.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Barge Building and Repair Companies**

	20	ACT
GUL	 CU	AST

Elmwood Drydock & Repair, Inc., Convent Barge repair. 158.5 Mile Marker Convent, LA 70723 17 X 63 FD Web Address: www.elmwoodmarine.com Elmwood Drydock & Repair, Inc., Harvey Barge repair. Mile 5 Harvey Canal Harvey, LA 70059 15 X 43 FD 18 X 46 FD (2) 18 X 49 FD 26 X 61 FD Web Address: www.wlmwoodmarine.com Elmwood Drydock & Repair, Inc., Myrtle Grove Barge repair. 55.0 Mile Marker Myrtle Grove, LA 70083 22 X 61 FD Web Address: www.elmwoodmarine.com Elmwood Drydock & Repair, Inc., Reserve Barge repair. 135.0 LMR Reserve, LA 70084 17 X 61 FD Web Address: www.elmwoodmarine.com

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in
	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift		Lengths are in Meters

# **Barge Building and Repair Companies**

#### **GULF COAST**

Intercoastal Marine Repair, LLC			Barge repair.
P.O. Box 10647			
Jefferson, LA 70181-0647	46 X 18 FD	381	
	61 X 14 FD	686	
	61 X 16 FD		
	91 X 17 FD		
	91 X 23 FD		
Web Address: www.A-Zito.com			
JANTRAN, Inc.			Boat and barge repair.
P.O. Box 397			
Rose Dale, MS 38769	57 X 19 FD		
Web Address: - NOT AVAILABLE -			
L.M.S. Shipmanagement, Inc.			Panaira company award
P.O. Box 58409			Repairs company owned barges.
New Orleans, LA 70153-8409			Ğ
New Charle, EX 70100 0400			
Web Address: - NOT AVAILABLE -			
Marine Inland Fabricators			Builds barges and small boats.
1725 Buchanan Street			3
Southport, FL 32409			
Web Address: www.marineinland.com			
McDonough Marine Service			Repair to company owned
1750 Clearview Parkway			barges only.
Metairie, LA 70001-2470			
Web Address: - NOT AVAILABLE -			

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### **Barge Building and Repair Companies**

# **GULF COAST** NICOR National Louisiana, Inc. Barge maintainance and repair. P.O. Box 1148 Harvey, LA 70059 Web Address: - NOT AVAILABLE -Offshore Shipbuilders, Inc. Construction of barges. 5342 Highway 311 Houma, LA 70360-2880 Web Address: - NOT AVAILABLE -Omega Shipyard Repair of small vessels with drydocking. 5659 Elder Ferry Road Moss Point, MS 39563-9533 49 X 15 FD Web Address: www.buyomegaprotein.com/products-shipyard.html Plaquemine Point Shipyard Barge repair and cleaning. 1070 River Road Sunshine, LA 70780 30 X 21 FD Web Address: - NOT AVAILABLE -Port Neches Towing, Inc. Services their own barges. P.O. Box 637 Port Neches, TX 77651 Web Address: - NOT AVAILABLE -

Chinyard Nama	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
Shipyard Name and Address	FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# **Barge Building and Repair Companies**

<del></del>		
GULF COAST		
Red Fox Companies		Builds barges.
P.O. Drawer 10539		
New Iberia, LA 70562		
Web Address: - NOT AVAILABLE -		
Southwest Shipyard - Channelview		Barge cleaning, gas freeing and
18310 Market Street		painting.
Channelview, TX 77530-3858	(3) 91 X 16 FD 274	
	175 X 16 MR 549	
	176 X 10 IIII	
Web Address: www.usmarinerepair.com		
Superior Boat Works, Inc.		Inland towing vessel repair and
P.O. Box 8		new construction
Greenville, MS 38702	40 V 40 FD	
	46 X 16 FD (2) 46 X 18 FD	
	(2) 40 X 10 1 B	
Web Address: - NOT AVAILABLE -		
T.T. Barge Services		Barge maintenance and repair.
83 Hickory Avenue		za.go mamonanos ana ropam
Harahan, LA 70123		
Web Address: - NOT AVAILABLE -		
Trinity Madisonville		Builds barges.
P.O. Box 70		
Madisonville, LA 70447	109 X 16 SW	
Web Address: www.trin.net		

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Barge Building and Repair Companies**

#### **GULF COAST**

P.O. Box 108

Trinity Port Allen Builds barges.

Port Allen, LA 70767 61 X 12 SW

Web Address: www.trin.net

Vessel Repair, Inc.

Repairs barges and small vessels.

P.O. Box 965 vessels

Groves, TX 77619 84 X 20 FD

37 X 9 MR 59 X 11 MR

Web Address: www.vesselrepair.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### Barge Building and Repair Companies

#### **WEST COAST**

Diversified Marine, Inc. Construction and repair of small marine vessels. P.O. Box 83723 Portland, OR 97283-0723 27 X 8 FD 29 X 8 FD 37 X 17 FD 40 X 16 FD Web Address: www.diversifiedmarineinc.com Sundial Marine Tug & Barge Works, Inc. Construction and repair of barges and small vessels. 5605 N.E. Sundial Road Troutdale, OR 97060 122 91 X 18 SW 640 91 X 21 FD Web Address: www.sundial-marine.com **Thompson Metal Fabricators** Barge builder. P.O. Box 5276 Vancouver, WA 98668 Web Address: www.thompsonmetalfab.com Zidell Marine Corporation Construction of barges and small boats. 3121 S.W. Moody Avenue Portland, OR 97201 104 X 27 SW Web Address: www.zidell.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# Barge Building and Repair Companies

# **GREAT LAKES**

Basic Marine 440 North 10th Street Escanaba, MI 49829

Web Address: - NOT AVAILABLE -

Build and repairs barges and small boats.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Barge Building and Repair Companies**

Amherst Industries, Inc.		Topside repairs to towboats,
2 Port Amherst Drive		tugs and barges.
Charleston, WV 25306	55 X 13 FD	

Web Address: - NOT AVAILABLE -

**INLAND** 

C & C Marine Maintenance Company

Barge repair.

1500 State Street North

Clairton, PA 15025 76 X 18 MR

Web Address: www.barges.us

Web Address: - NOT AVAILABLE -

Hannah Marine Shipyard Divison Barge cleaning.

13155 Grant Road
Lemont, IL 60439

HBC Barge LLC

18 Paul Thomas Blvd

Brownsville, PA 15417

Web Address: - NOT AVAILABLE -

Jeffboat, LLC

1030 E. Market Street

Jeffersonville, IN 41730

Construction of inland river type equipment, towboats, barges, etc.

effersonville, IN 41730 152 X 26 SW 640 1,686

67 X 18 FD

Web Address: www.jeffboat.com

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### **Barge Building and Repair Companies**

MR

111 X 22 SW

64 X 12 SW

**INLAND** 

McGinnis, Inc.

P.O. Box 534

South Point, OH 45680

Web Address: - NOT AVAILABLE -

Serodino, Inc. 100 Hamm Road

Chattanooga, TN 37405

Web Address: - NOT AVAILABLE -

Trinity Ashland City

1050 Nashville Bridge Road

Ashland City, TN 37015

Web Address: - NOT AVAILABLE -

Trinity Caruthersville

265 Coounty Highway Road 346

Caruthersville, MO 63830

Web Address: www.trin.net

Yager Marine Industries 5001 Highway 60 East Owensboro, KY 42303

Web Address: www.yagermaterials.com/basehtml.html

Repair of barges and towboats.

Repairs barges

Builds barges.

Builds barges.

New construction and repair of barges and towboats.

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in
	LL Land Level Position SL Syncrolift TR Travel Lift		Lengths are in Meters

### Recreational crafts (builders/repair)

213 X 8 TR 55 X 11 MR 55 X 12 MR 55 X 14 MR

21 X 5 TR 38 X 8 TR 53 X 9 MR

#### **EAST COAST**

Crosby Yacht Yard, Inc. 72 Crosby Circle Osterville, MA 02655

Web Address: - NOT AVAILABLE -

D.N. Kelley & Son, Inc. 32 Water Street Fairhaven, MA 02719

Web Address: www.dnkelley.com

Derecktor of Florida 775 Taylor Lane

Dania, FL 33004

Web Address: www.derecktor.com

Destiny Yachts 2015 SW 20th Street, Suite 100 Ft. Lauderdale, FL 33315

Web Address: - NOT AVAILABLE -

Build and repair pleasure

boats/yachts.

Repair of recreational boats.

Builds and repairs yachts.

Builds yachts.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### Recreational crafts (builders/repair)

#### **EAST COAST**

**Dyer Boats** Builds fiberglass recreational boats up to 12 meters in length. 57 Miller Street Warren, RI 02885 Web Address: - NOT AVAILABLE -East Bay Boat Works, Inc. Builds yachts. 201 Fulford Drive Harkers Island, NC 28531 Web Address: - NOT AVAILABLE -Hinckley Company Constructon and repair of fiberglass pleasure craft to P.O. Box 699 21 meters. Southwest Harbor, ME 04679 Web Address: - NOT AVAILABLE -Holby Marine Company 97 Broad Common Road Bristol, RI 02809 Web Address: www.holbymarine.com **Huckins Yacht Corporation** 3482 Lake Shore Boulevard Jacksonville, FL 32210 Web Address: - NOT AVAILABLE -

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### Recreational crafts (builders/repair)

### **EAST COAST**

LBI, Inc.
973 North Road
Groton, CT 06340
Web Address: - NOT AVAILABLE -

Merrifield-Roberts Builds yachts.
71 Broadcommon Road

Web Address: - NOT AVAILABLE -

Nauset Marine, Inc. P.O. Box 357, Route 6A Orleans, MA 02653

Bristol, RI 02809-2730

Web Address: - NOT AVAILABLE -

Robbs' Boatyard & Marina 316 East Front Street Belhaven, NC 27810

anaven, NC 27810 26 X 7 TR

Web Address: www.robbsboatyard.com

Tri-State Custom Fiberglass, Inc.

State Road 1961 Bailey, NC 27807

Web Address: - NOT AVAILABLE -

Builds sail boats.

Recreational boats sales and service company.

Repairs to recreational boats.

Builds small recreational fishing boats.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# Recreational crafts (builders/repair)

#### **EAST COAST**

Yacht Maintenance Company, Inc. 101 Hayward Street Cambridge, MD 21613 Boat repair.

6 X 20 TR 11 X 37 MR

Web Address: www.yachtmaintenanceco.com

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Berths/Piers Usable Length  Longest Total Linear	Remarks Type of work usually engaged in  Lengths are in Meters
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### Recreational crafts (builders/repair)

#### **GULF COAST**

Cochiara Shipyard & Marina Route 1, Box 526B Lafitte, LA 70067

Web Address: - NOT AVAILABLE -

Corinthian Catamarans, Inc 1065 Island Avenue Tarpon Springs, FL 34689-6917

Web Address: - NOT AVAILABLE -

Liberty Yachts 837 West 13th Street Riviera Beach, FL 33404

Web Address: www.libertyyachts.com

Silver Ships, Inc. P.O. Box 1266 Theodore, AL 36590

Web Address: www.silverships.com

Trinity Yachts 4325 France Road New Orleans, LA 70126

Web Address: www.trinityyachts.com

Builds catamarans passenger, cruise, and dive boats.

Builds yachts, patrol, pilot and commercial boats.

Builds custom aluminum vessels up to 15 meters.

Builds yachts.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# Recreational crafts (builders/repair)

WEST COAST			
Hansen Boat Company			Consruction and repair of small
4124 34th Avenue, NE			boats.
Everett, WA 98205-3202	FD		
	10		
Web Address: - NOT AVAILABLE -			
Knight & Carver Yacht Center			Build/repair yachts and large
1313 Bay Marina Drive			vessel refit and repair.
National City, CA 91950-6303	47 X 10 TR	53_	
		305	
Web Address: www.knightandcarver.com			
Little Hoquiam Shipyard			Builds fiberglass yachts.
825 Queen Avenue			
Hoquiam, WA 98550-1060			
Web Address: - NOT AVAILABLE -			
Townsend Bay Marine LLC			Builds and repairs yachts and recreational boats.
919 Haines Street			recreational boats.
Port Townsend, WA 98368-1843			
Web Address: www.townsendbay.com			
			5 11 61 1
Westport Shipyard, Inc.			Builds fiberglass pleasure yachts (40 meters) and small
1807 Nyhus Street			passenger ferries.
Westport, WA 98595			
Web Address: www.westportshipyard.com			

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# Recreational crafts (builders/repair)

#### **GREAT LAKES**

Burger Boat Company 1811 Spring Street Manitowoc, WI 54220-3151

Web Address: - NOT AVAILABLE -

Palmer Johnson Incorporated 61 Michigan Street Sturgeon Bay, WI 54235

Web Address: - NOT AVAILABLE -

Builds yachts.

Builds and services custom aluminum yachts.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# Recreational crafts (builders/repair)

#### **INLAND**

Kann Manufacturing P.O. Box 400 Guttenberg, IA 52052-0400

Web Address: www.Kannmfg.com

Builds aluminum work boats and trailers.

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

# No Facility Information Available

#### **EAST COAST**

Atlantic Boat Company Flye Point Road Brooklin, ME 04616-7507

Web Address: - NOT AVAILABLE -

Elizabeth City Shipyard, Inc. 722 Riverside Avenue Elizabeth, NC 27909

Web Address: - NOT AVAILABLE -

Otis Enterprises Marine Corporation Prospect Street Searsport, ME 04974

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### No Facility Information Available

#### **GULF COAST**

Ashton Marine, LLC Marine repair and fabrication. 1200 Peters Road Harvey, LA 70058 (2) FD Web Address: - NOT AVAILABLE -Bourg Drydock & Service Company P.O. Box 1852 Houma, LA 70361 Web Address: - NOT AVAILABLE -Eagle Drydock and Marine Repairs 60 Highway, 315 Bayou Dularge Road Houma, LA 70361 Web Address: - NOT AVAILABLE -Gulf Shores Ship Yard, Inc. 22900 Brown Lane Gulf Shores, AL 36542-9064 Web Address: - NOT AVAILABLE -Harley Boat Company

300 S. First Avenue Bartow, FL 33830

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### No Facility Information Available

Builds pushboats, fishing boats

and workboat.

Builds small boats.

Salvage work.

#### **GULF COAST**

LaForce Shipyard P.O. Box 107

Bayou La Batre, AL 36509

Web Address: - NOT AVAILABLE -

Steiner Shipyard, Inc.

P.O. Box 742

Bayou La Batre, AL 36509

Web Address: www.steinershipyard.com

T & T Marine Ways, Inc. 9723 Teichman Road

Galveston, TX 77554

Web Address: - NOT AVAILABLE -

T.T. Coatings, Inc. 83 Hickory Street Harahan, LA 70123

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### No Facility Information Available

#### **WEST COAST**

E. Elliot Assoc., Inc. P.O. Box 2589 Martinez, CA 94553-0258

Web Address: - NOT AVAILABLE -

Fishing Vessel Owners Marine Ways 1511 West Thurman Seattle, WA 98119

Web Address: - NOT AVAILABLE -

Hydraulic Fishing Supply, Inc. 701 30th Steet Anacortes, WA 98221

Web Address: - NOT AVAILABLE -

J.M. Martinac Shipbuilding Corporation 401 East 15th Street

Tacoma, WA 98421

Web Address: www.martinacship.com

Nautical Engineering, Inc. 1790 11th Street Oakland, CA 94607-1436

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway  GD Graving Drydock  FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

# No Facility Information Available

#### **WEST COAST**

Wilmington Iron Works, Inc. 432 West "C" Street Wilmington, CA 90744

### **MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS**

Chinyard Nama	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length	Remarks Type of work usually engaged in
Shipyard Name and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Longest Total Linear	Lengths are in Meters

### No Facility Information Available

### **INLAND**

Corn Island Shipyard, Inc. P.O. Box 125 Lamar, IN 47550

Web Address: - NOT AVAILABLE -

South Point Barge Company P.O. Box 333 Southpoint, OH 45680

Web Address: - NOT AVAILABLE -

Susquehanna Santee Boatworks 384 Millwood Road Willow Street, PA 17584

Web Address: www.ssboatworks.com

### MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name	Maximum Ship Size (LOA X Beam)  SW Shipway GD Graving Drydock FD Floating Drydock	Berths/Piers Usable Length Longest	Remarks Type of work usually engaged in
and Address	FB Floating Dock Barge MR Marine Railway LL Land Level Position SL Syncrolift TR Travel Lift	Total Linear	Lengths are in Meters

### No Facility Information Available

### **NON-CONUS**

Keehi Marine, Inc. 24 Sand Island Access Road Honolulu, HI 96819

Web Address: - NOT AVAILABLE -

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