



U.S. Department
of Transportation
**Maritime
Administration**

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

2003

REPORT ON SURVEY OF U.S.
SHIPBUILDING AND REPAIR FACILITIES
2003

Prepared By:

Office of Shipbuilding and Marine Technology
December 2003

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INTRODUCTION

In compliance with the Merchant Marine Act of 1936, as amended ^{1/}, 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 2003 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.

^{1/} 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 89 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.

Shipyards With Build Positions

Shipyards with Build 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 With Drydocking Facilities

Repair with Drydocking 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.

Major Topside Repair Facilities

Major 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. It is a new section, added to this year's edition of the Survey of U.S. Shipbuilding and Repair Facilities. It 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 2003 Survey and other industry related sources of information established the following:

- The Active Shipbuilding Yards employed roughly 59 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 Shipyards with Build Positions employed roughly 7 percent of the U.S. shipbuilding and repair industry's total workforce.
- Combined, the 24 Active Shipbuilding yards and the Shipyards with Build Positions account for about 66 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**

MAJOR U.S. PRIVATE SHIPYARDS 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.

Shipyards with Build Positions

Shipyards with Build 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 (with Drydocking)

Repair (with Drydocking) 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

Topside repair facilities 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.

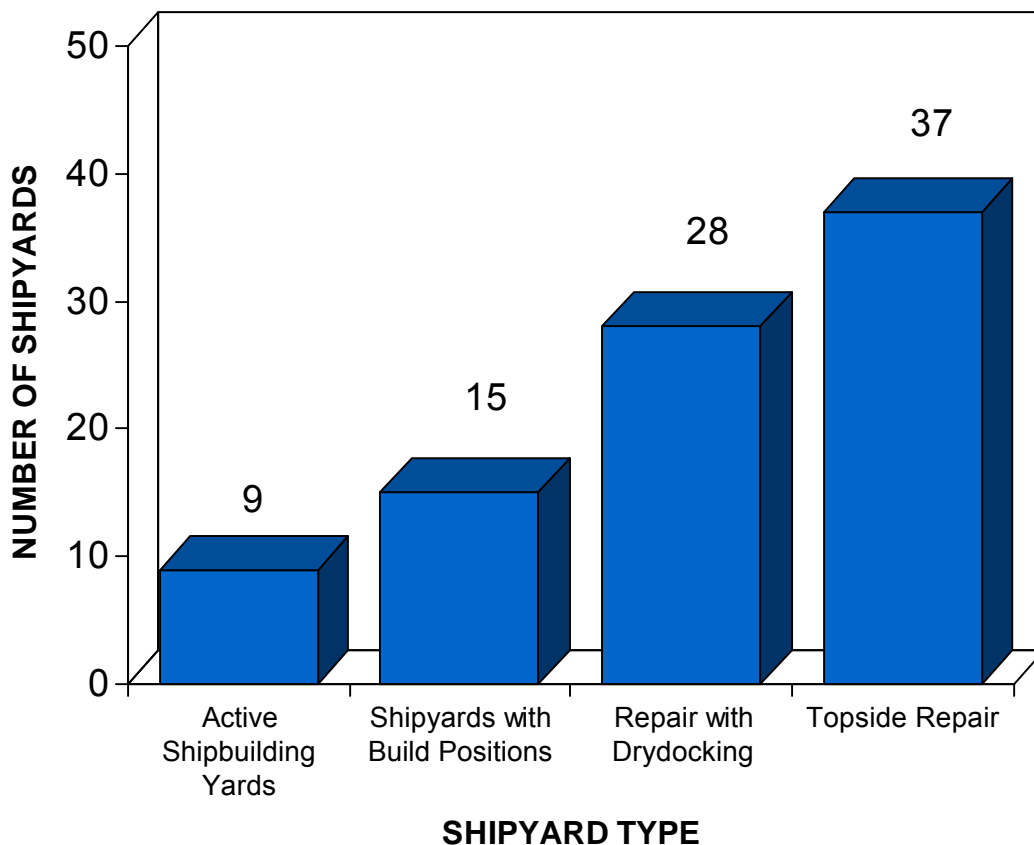
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE

OCTOBER 2003

NUMBER OF SHIPYARDS BY TYPE

ACTIVE SHIPBUILDING YARDS	9
SHIPYARDS WITH BUILD POSITIONS	15
REPAIR WITH DRYDOCKING	28
TOPSIDE REPAIR	37
<hr/>	
TOTAL	89

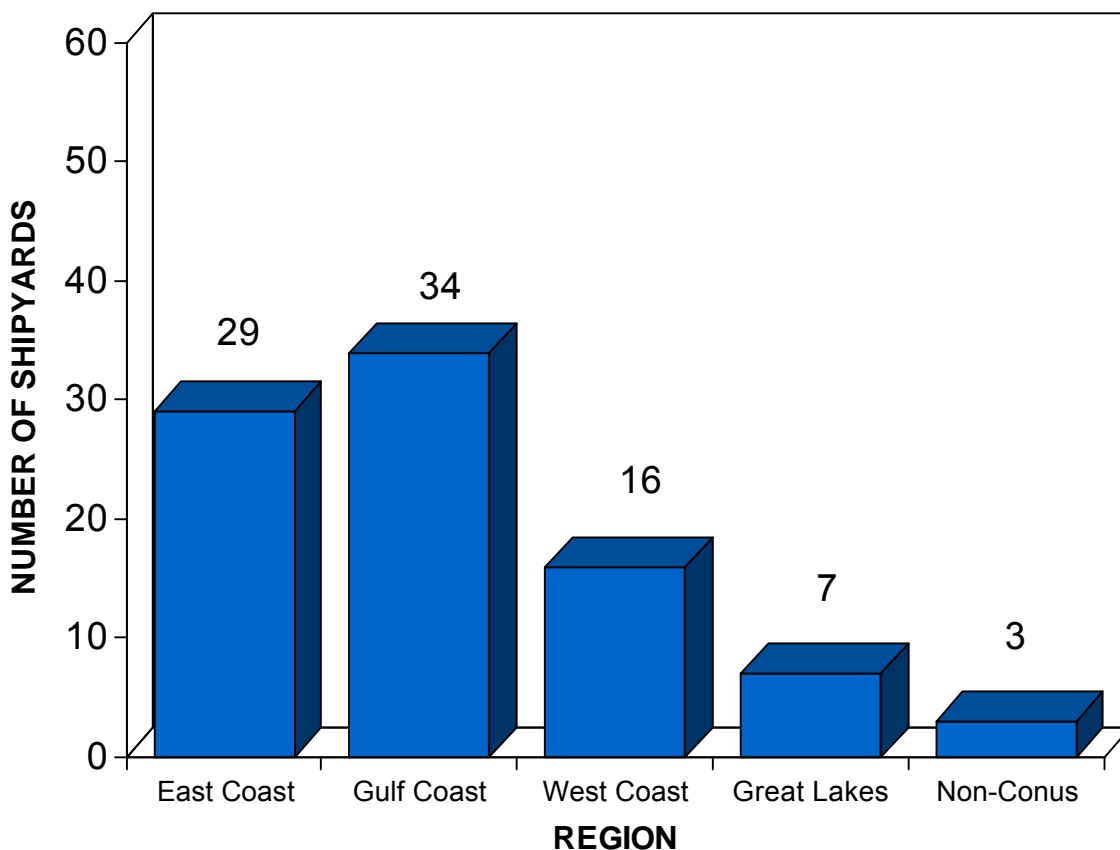


U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2003

NUMBER OF SHIPYARDS BY REGION

EAST COAST	29
GULF COAST	34
WEST COAST	16
GREAT LAKES	7
NON-CONUS	3
<u>TOTAL</u>	<u>89</u>



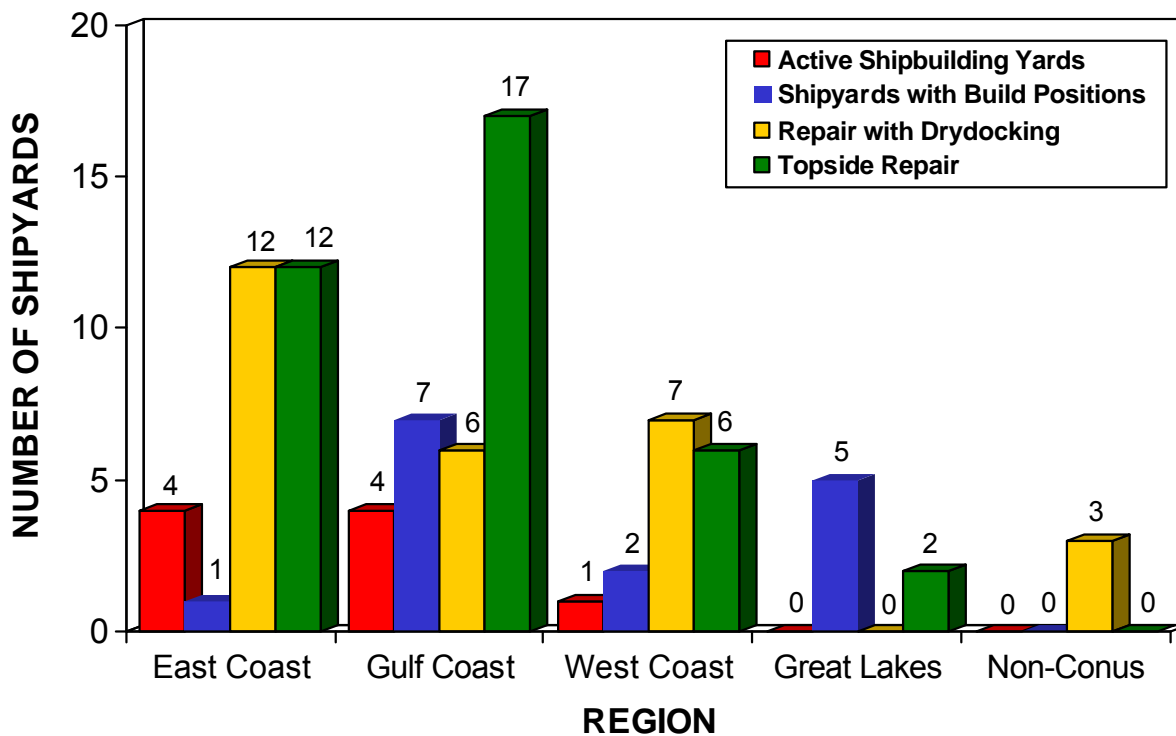
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE

OCTOBER 2003

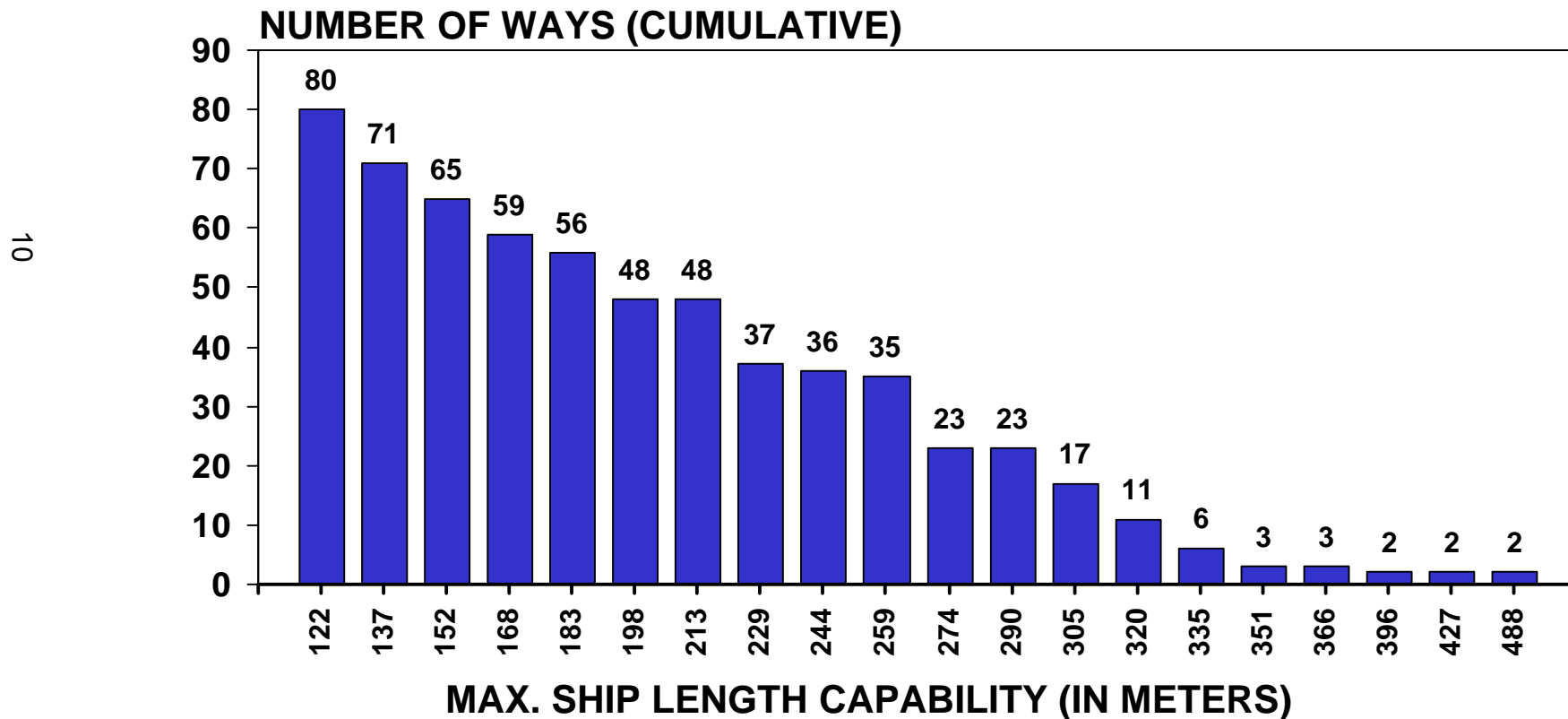
NUMBER OF SHIPYARDS BY TYPE AND REGION

	ACTIVE SHIPBUILDING YARDS	SHIPYARDS WITH BUILD POSITIONS	REPAIR WITH DRYDOCKING	TOPSIDE REPAIR
EAST COAST	4	1	12	12
GULF COAST	4	7	6	17
WEST COAST	1	2	7	6
GREAT LAKES	0	5	0	2
NON-CONUS	0	0	3	0
TOTAL	9	15	28	37



MAJOR U.S. SHIPBUILDING FACILITIES*

NUMBER OF BUILDING POSITIONS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 1, 2003)



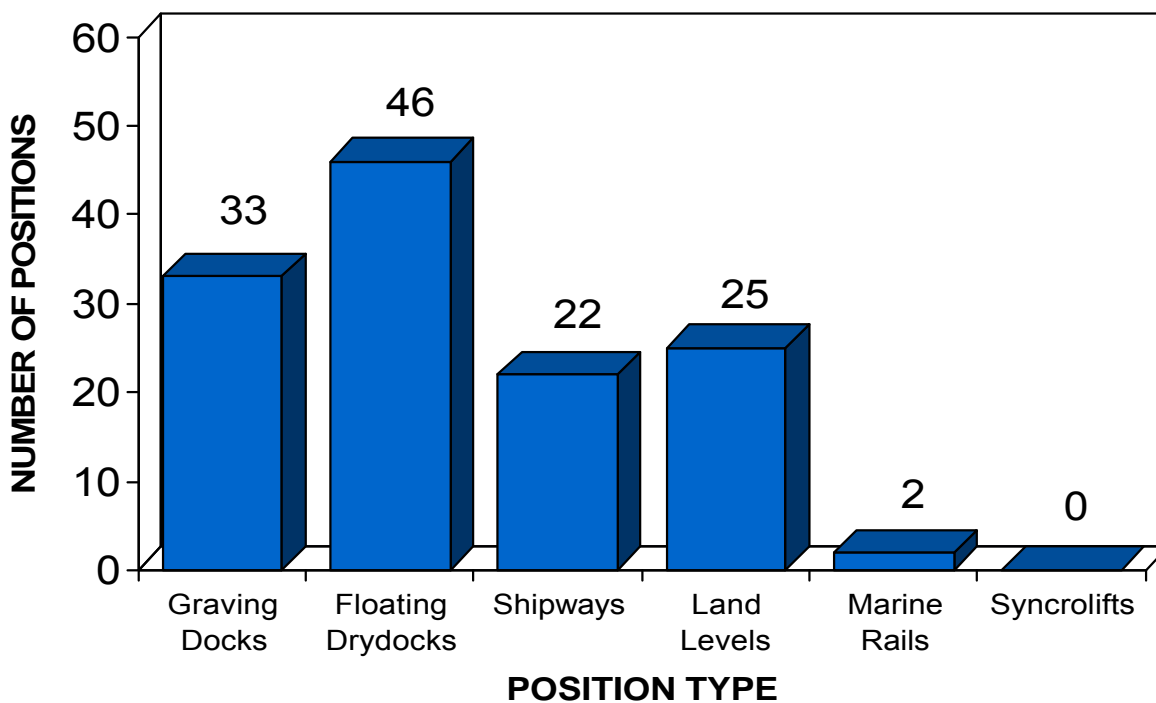
* Shipways, Graving Docks and Land Level Positions

U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2003

NUMBER OF BUILD AND REPAIR POSITIONS

GRAVING DOCKS	33
FLOATING DRYDOCKS	46
SHIPWAYS	22
LAND LEVELS	25
MARINE RAILS	2
SYNCROLIFTS	0
<u>TOTAL</u>	<u>128</u>



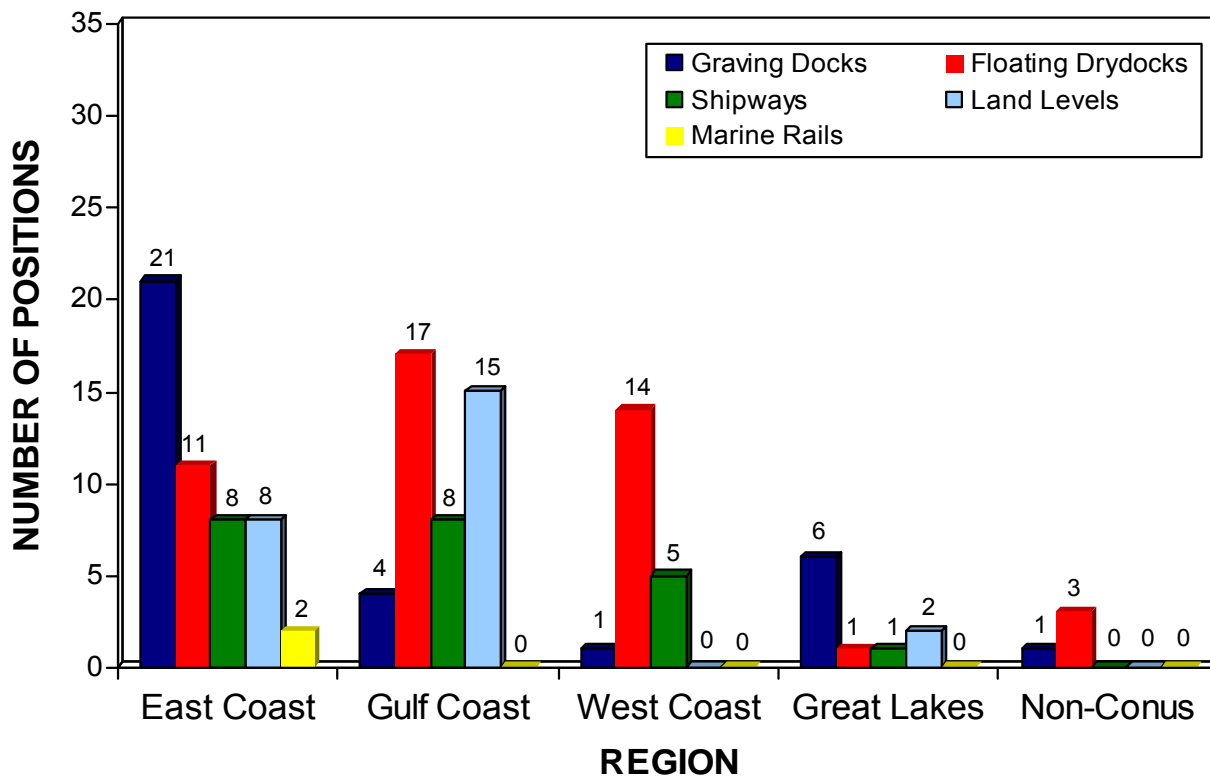
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE

OCTOBER 2003

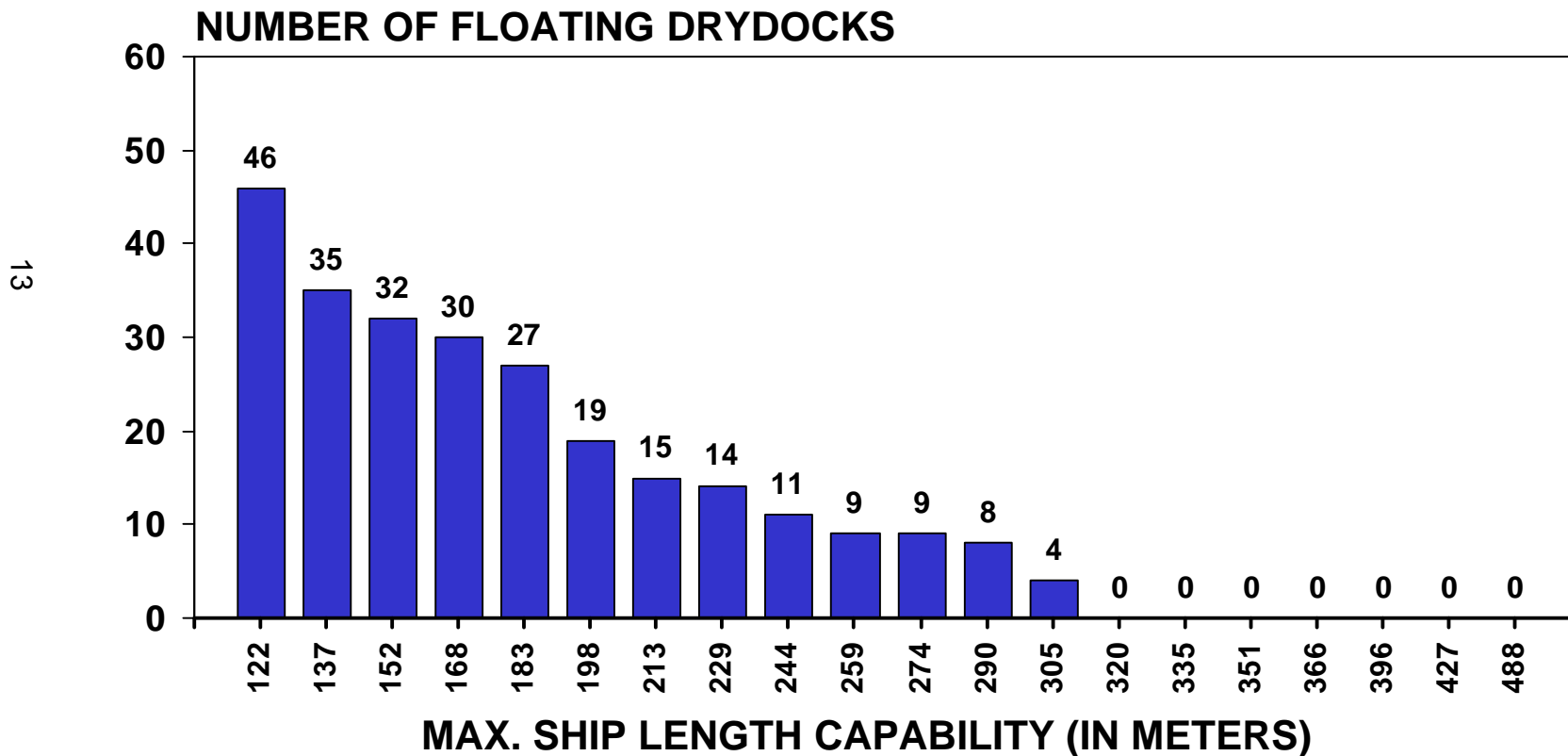
NUMBER OF BUILD AND REPAIR POSITIONS BY REGION

	GRAVING DOCKS	FLOATING DOCKS	SHIPWAYS	LAND LEVELS	MARINE RAILS
EAST COAST	21	11	8	8	2
GULF COAST	4	17	8	15	0
WEST COAST	1	14	5	0	0
GREAT LAKES	6	1	1	2	0
NON-CONUS	1	3	0	0	0
TOTAL	33	46	22	25	2



MAJOR U.S. SHIP REPAIR FACILITIES*

NUMBER OF FLOATING DRYDOCKS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 1, 2003)



* Includes Major Shipbuilding and Repair Yards with Drydock Facilities

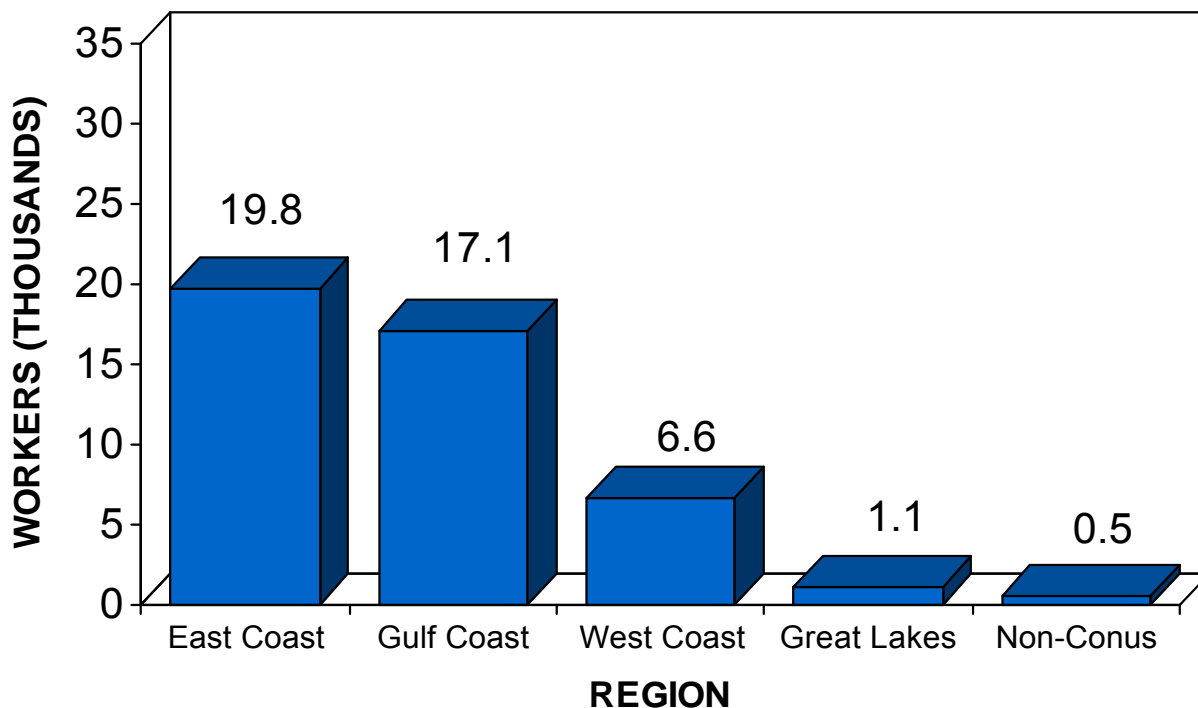
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2003

NUMBER OF PRODUCTION WORKERS BY REGION

(in Thousands)

EAST COAST	19.8
GULF COAST	17.1
WEST COAST	6.6
GREAT LAKES	1.1
NON-CONUS	0.5
<u>TOTAL</u>	<u>45.1</u>



U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE

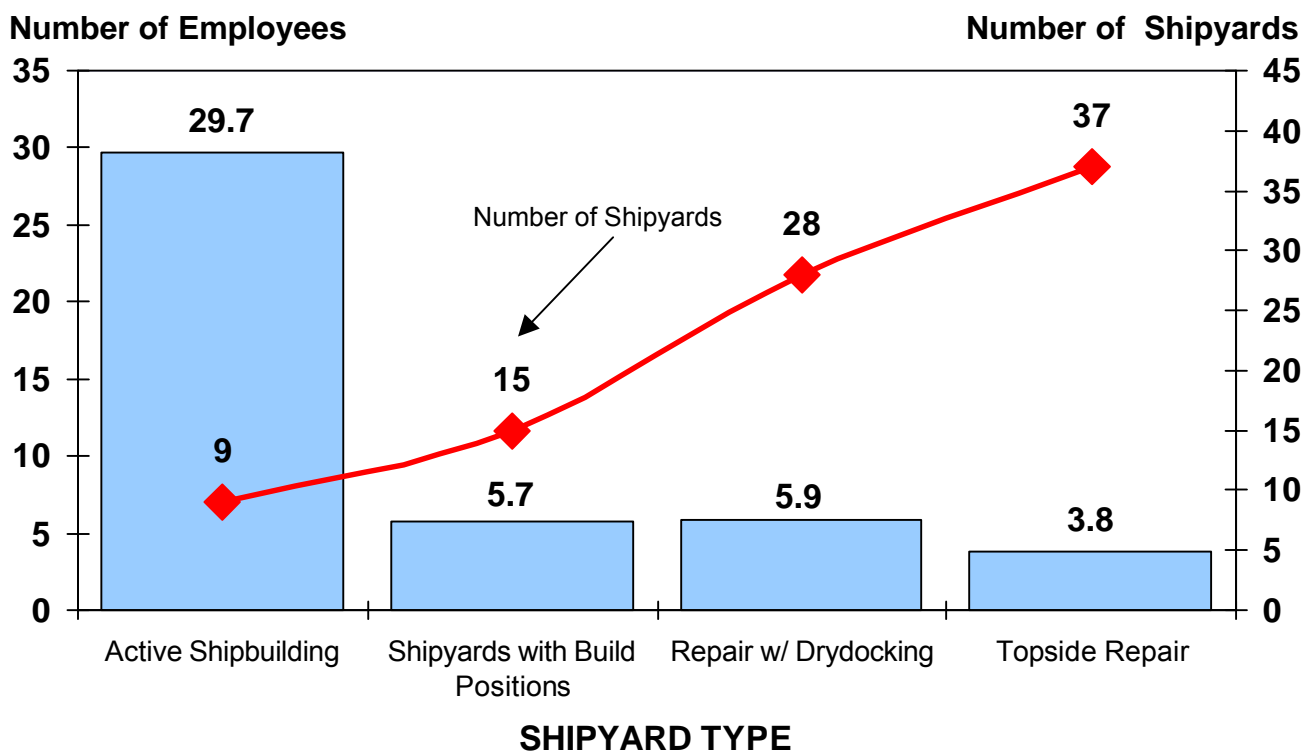
OCTOBER 2003

NUMBER OF PRODUCTION WORKERS

BY SHIPYARD TYPE

(in Thousands)

ACTIVE SHIPBUILDING	29.7
SHIPYARDS WITH BUILD POSITIONS	5.7
REPAIR WITH DRYDOCKING	5.9
TOPSIDE REPAIR	3.8
TOTAL	45.1



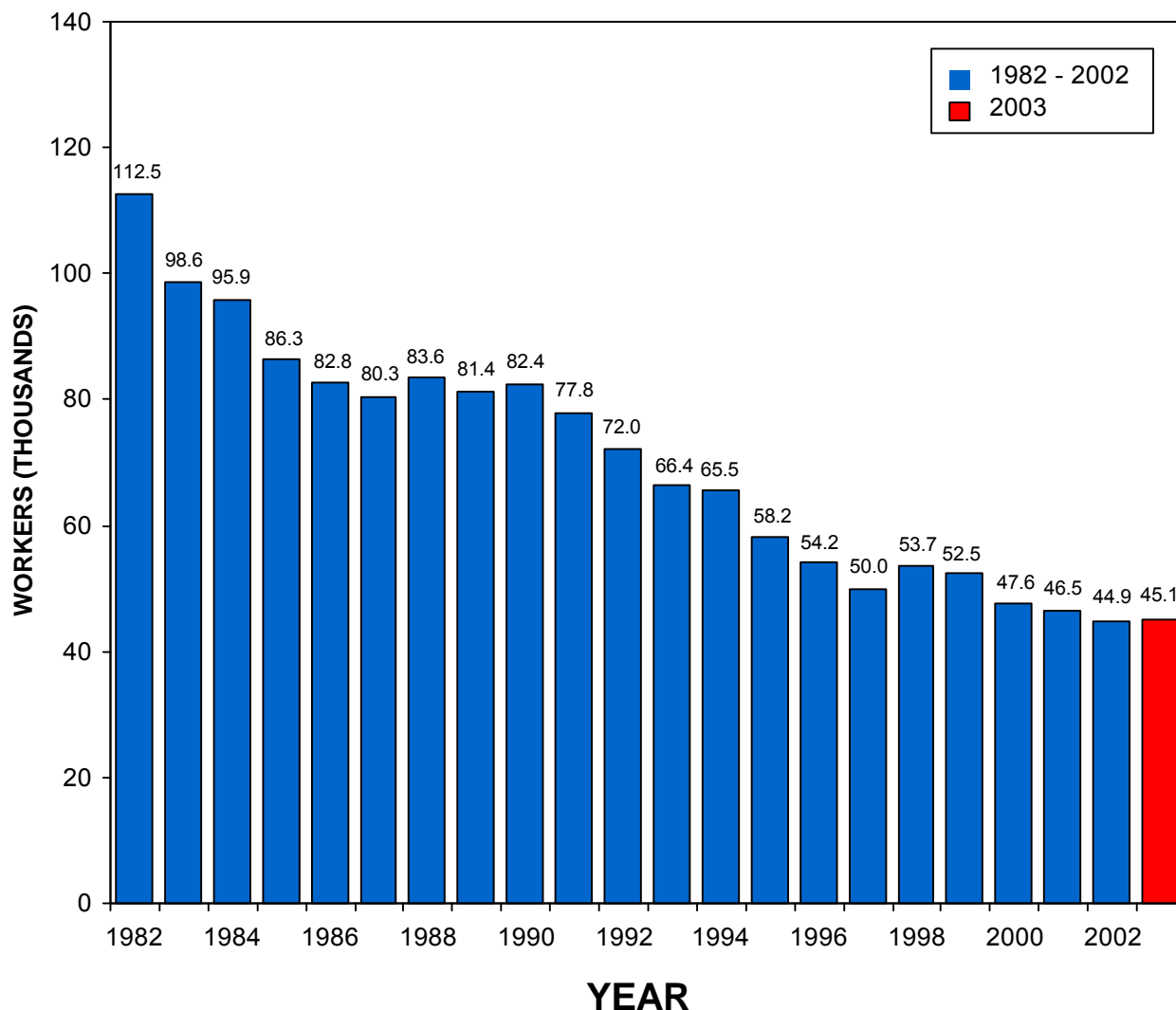
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE

OCTOBER 2003

NUMBER OF PRODUCTION WORKERS

1982 - 2003



U.S. PRIVATE SHIPYARDS
MAJOR SHIPBUILDING AND REPAIR BASE (89)

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

OCTOBER 2003

U.S. PRIVATE SHIPYARDS
MAJOR SHIPBUILDING AND REPAIR BASE (89)

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

U.S. PRIVATE SHIPYARDS
MAJOR SHIPBUILDING AND REPAIR BASE (89)

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
AMFELS, Inc. - Brownsville, TX
Austal USA - Mobile, AL
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 (17)

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

U.S. PRIVATE SHIPYARDS
MAJOR SHIPBUILDING AND REPAIR BASE (89)

GULF COAST

Topside Repair Yards (17)

Hendry Corporation - Tampa, FL
Houston Ship Repair, Inc., Brady Island Ship Repair Facility - Houston, TX
Newpark Shipbuilding & Repair, Inc., Brady Island Inc. - Houston, TX
Newpark Shipbuilding & Repair, Inc., Pasadena - Pasadena, TX
Newpark Shipbuilding & Repair, Inc., Pelican Island Inc. - Galveston, TX
Orange Shipbuilding Company, Inc. - Orange, TX
Sabine Shipyard, Inc. - Sabine Pass, TX
Signal International Texas, LP - Orange Yard - Orange, TX

GULF COAST TOTAL = 34 Yards

U.S. PRIVATE SHIPYARDS
MAJOR SHIPBUILDING AND REPAIR BASE (89)

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 (7)

Cascade General, Inc. - Portland, OR

Lake Union Drydock Company - Seattle, WA

MAR COM, Inc. - Portland, OR

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 = 16 Yards

U.S. PRIVATE SHIPYARDS
MAJOR SHIPBUILDING AND REPAIR BASE (89)

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

U.S. PRIVATE SHIPYARDS
MAJOR SHIPBUILDING AND REPAIR BASE (89)

NON-CONUS

Repair Yards with Drydock Facilities (3)

Alaska Ship & Drydock, Inc. - Ketchikan, AK

Honolulu Shipyard, Inc. - Honolulu, HI

Marisco, Ltd. - Kapolei, HI

NON-CONUS TOTAL = 3 Yards

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**DESCRIPTIONS
AND
GENERAL ARRANGEMENT
DRAWINGS
FOR
THE ACTIVE
SHIPBUILDING YARDS**

Bath Iron Works Corporation

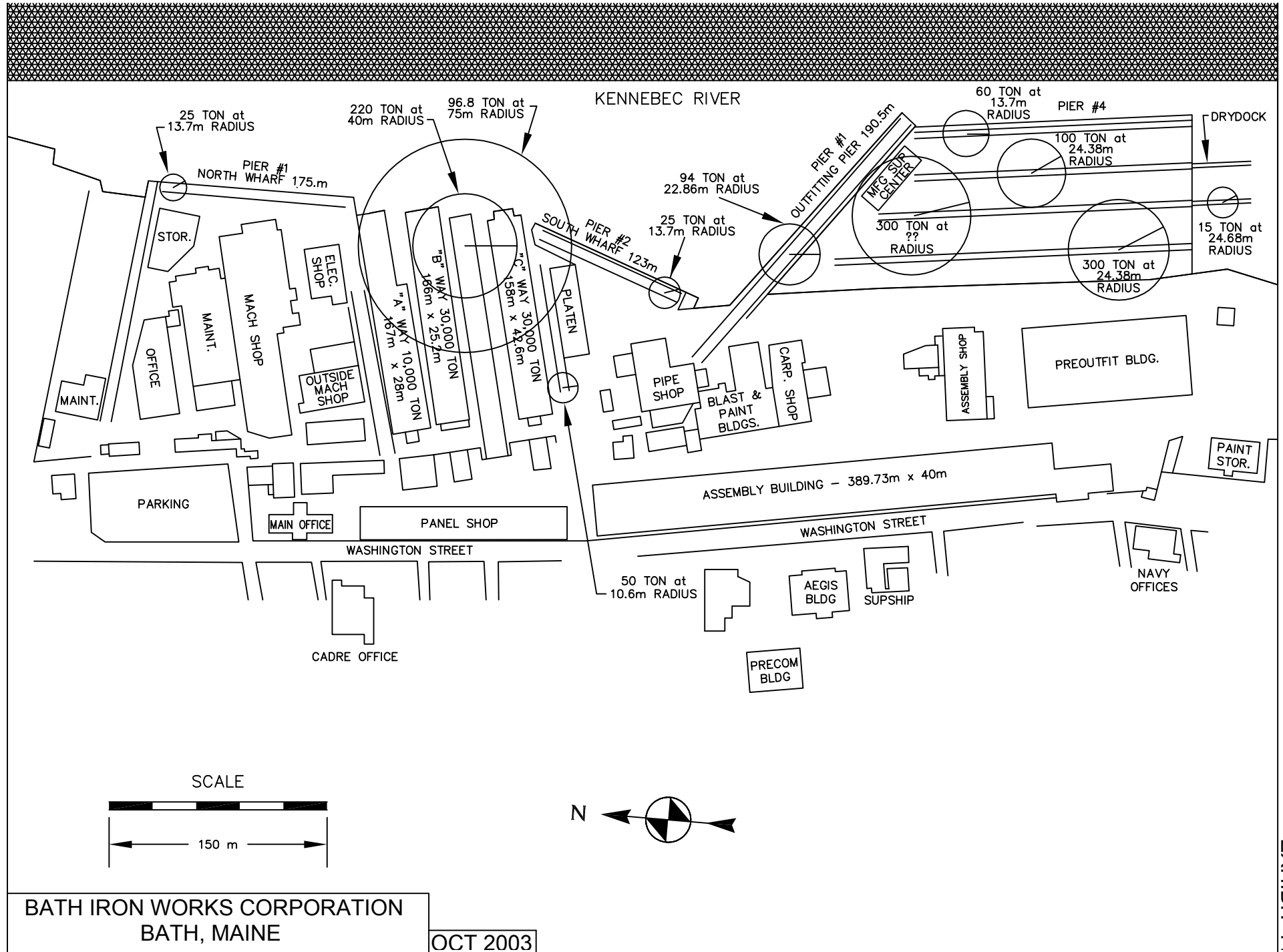
Bath Iron Works Corporation (BIW) is located on the Kennebec River in Bath, ME. The original iron foundry was established in 1826; it became Bath Iron Works Ltd in 1884, and the first ship was delivered in 1890. Since then, this shipyard has built over 230 U.S. Navy surface combatants and more than 160 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 31, 2003, 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-2003, the company had about 6,800 employees.



BATH IRON WORKS CORPORATION
BATH, MAINE

OCT 2003

Bender Shipbuilding & Repair Company, Inc.

Bender Shipbuilding & Repair Co., Inc (BSR) is located on the Mobile River in Mobile, AL, about 48 kilometers from 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.

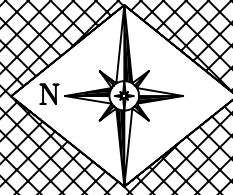
BSR's facilities stretch over a mile along the banks of the Mobile River. On the east bank, there is a repair operation with a 15,240-metric-ton dry-dock and a wet-berth suitable for Panamax-size vessels. The Corporate offices and the majority of the facilities, including three drydocks up to 24,350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

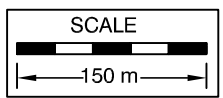
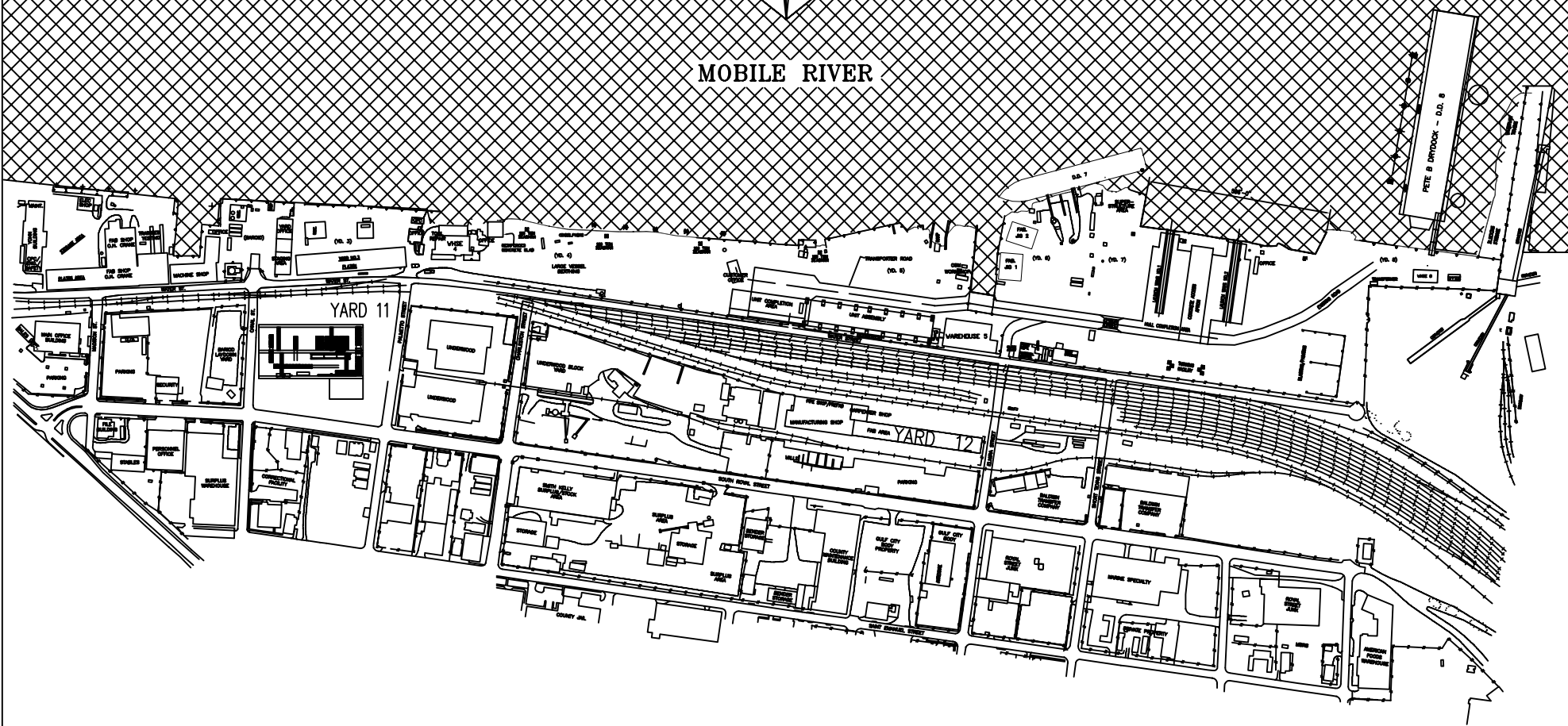
BSR's main assembly shed was enhanced in 2000 and crane capacities were expanded. The main shed now includes 8 major workstations and a further expansion is planned.

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-2003, Bender Shipbuilding & Repair Co., Inc. employed about 870 personnel.



MOBILE RIVER



BENDER SHIPBUILDING & REPAIR CO., INC.
MOBILE, ALABAMA

OCT 2003

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 October 1, 2003, Electric Boat had under construction the third SSN-21 SEAWOLF class attack submarine, and the first four SSN-774 VIRGINIA class new attack submarine. The company is also engaged in the repair of nuclear submarines both in Groton, CT and at other homeports.

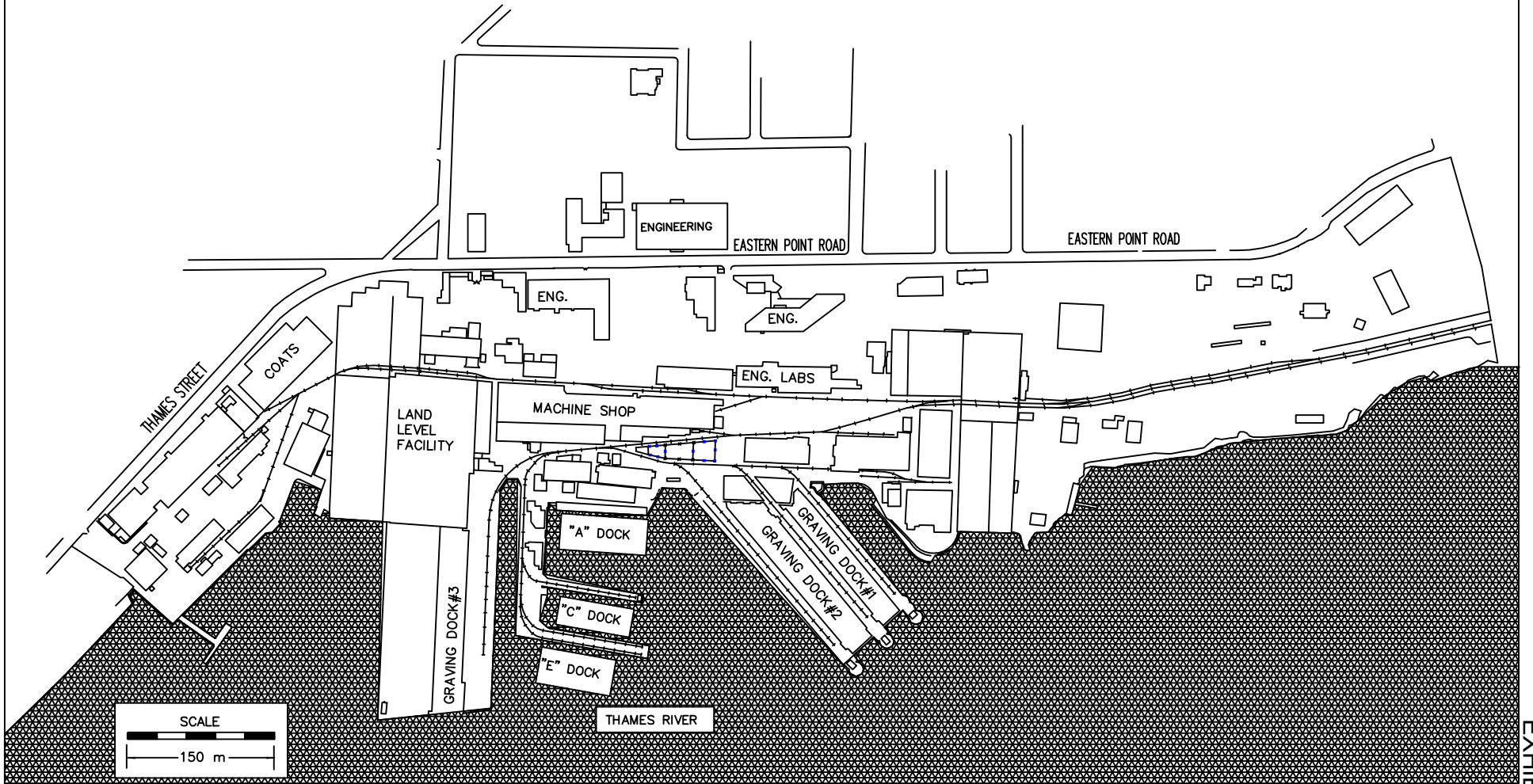
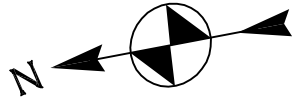
Electric Boat operates two major manufacturing and construction sites - a 48 hectare shipyard facility with 1,365 meters of deep water frontage on the Thames River in Groton, CT, and a 40 hectare modular construction facility in Quonset Point, RI, fronting on Narragansett Bay. Completely outfitted submarine 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 is used to launch ships up to 197 meters in length and 19,250 metric tons from the LLSCF. Six wet berth positions with portal cranes ranging from 75 to 300 tons can accommodate vessels up to 229 meters long and drawing 12 meters.

In 2001/2002, Electric Boat constructed a \$12 million Steel Processing Facility at Quonset Point incorporating state-of-the industry automated handling, blasting, laser marking plasma / laser / water jet cutting, rolling and pressing, structural shape forming and cutting, and other equipment.

As of mid-2003 Electric Boat had approximately 8,900 employees.



ELECTRIC BOAT CORPORATION
GROTON, CONNECTICUT

OCT 2003

Kvaerner Philadelphia Shipyard Inc

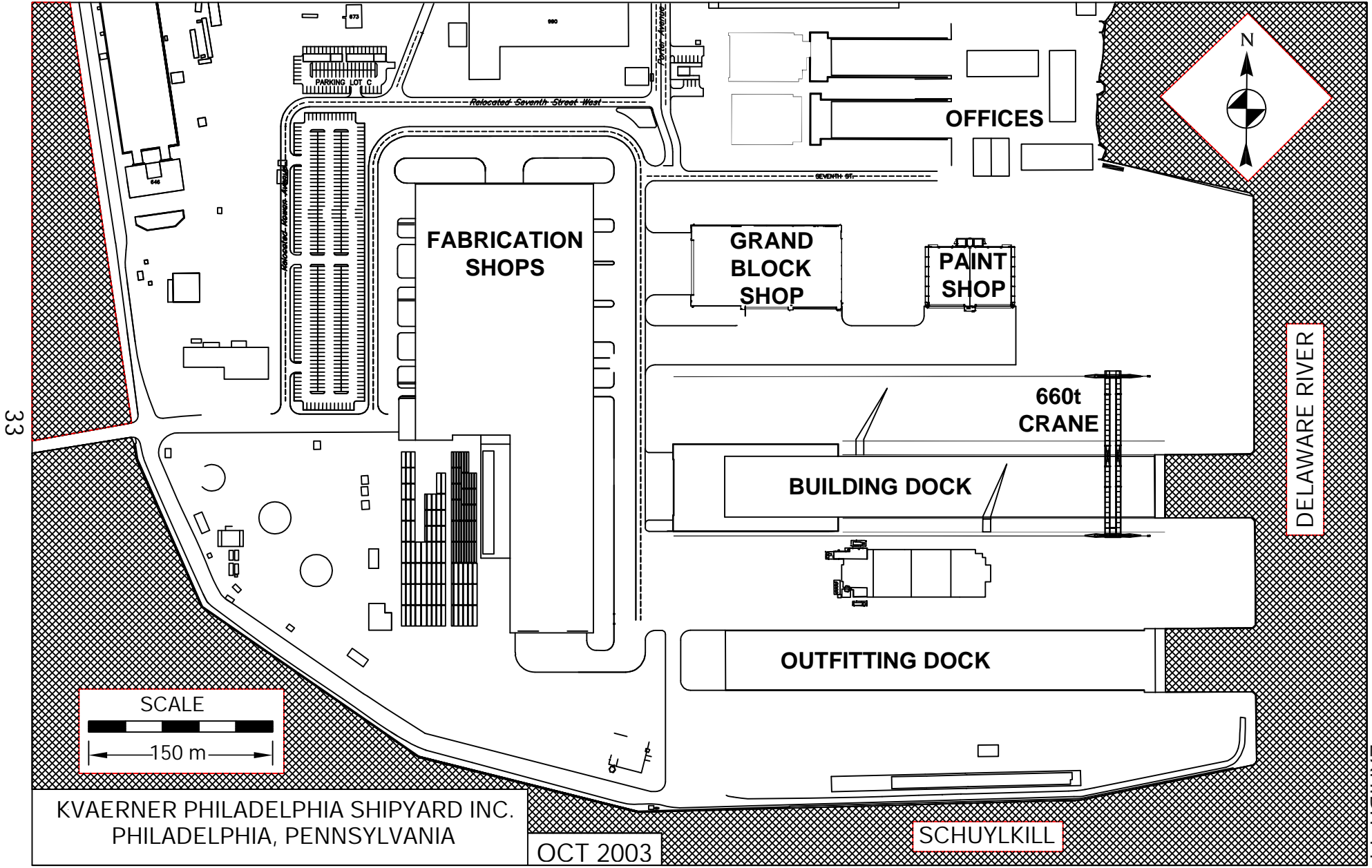
Kvaerner Philadelphia Shipyard Inc. (KPSI) is a newly constructed mid-sized shipyard located in Philadelphia, PA. KPSI is capable of constructing all types of vessels, but has chosen to focus exclusively on commercial vessels for the U.S. domestic market, primarily container vessels and tankers between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

The immediate future of the new shipyard is to design and construct for the U.S. Jones Act Market. The first Philadelphia Class CV2600 Containership was delivered on October 5, 2003 to Matson Navigation Company and was deployed in their Hawaiian service. The second Philadelphia Class CV2600 Containership, currently under construction at KPSI, is scheduled for completion in 2004. A third is currently being built to spec until a contract is signed.

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 deadweight (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 Build Dock, where construction of the ship is completed. The second dock is used as a 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-2003 the total labor force was approximately 850 people.



33

KVAERNER PHILADELPHIA SHIPYARD INC.
 PHILADELPHIA, PENNSYLVANIA

OCT 2003

SCHUYLKILL

DELAWARE RIVER

EXHIBIT 14

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, California. 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.

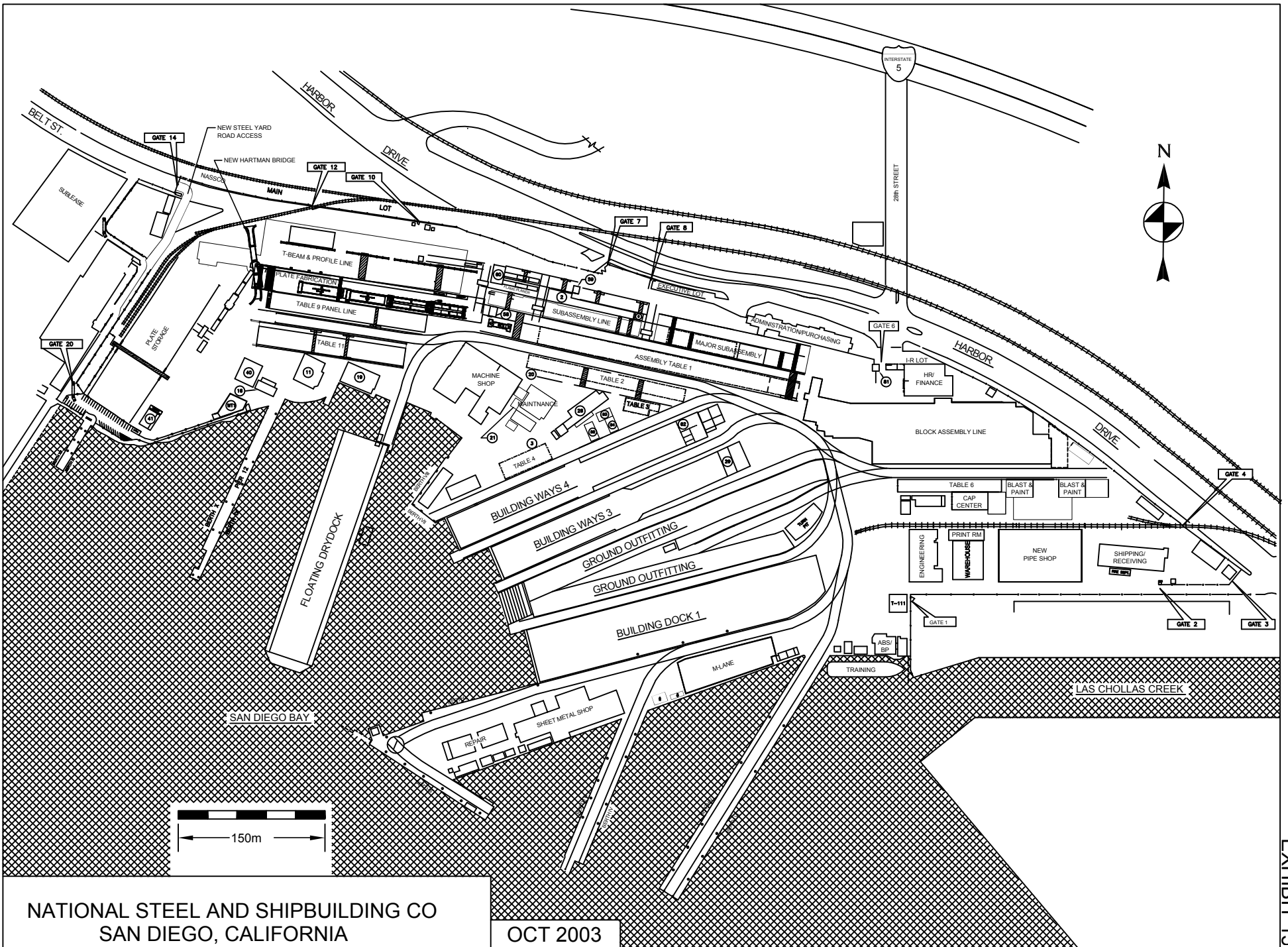
For the U.S. Navy, NASSCO specializes in auxiliary and support ships such as combat stores ships (AFS), destroyer tenders (AD), fast combat support ships (AOE), and strategic sealift roll-on/roll-off ships (T-AKR). Conversion projects include the two 90,000 dwt tankers to 1,000 bed Navy hospital ships (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 August 31, 2003, NASSCO's backlog included four 185,000 dwt double-hull crude carriers for BP Alaska Shipping and the first four of a potential 12 T-AKE dry cargo/ammunition 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 have invested over \$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 will increase the company's steel fabrication and assembly capacity to over 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-2003, the total labor force was about 3,300.



NATIONAL STEEL AND SHIPBUILDING CO
 SAN DIEGO, CALIFORNIA

OCT 2003

Northrop Grumman Ship Systems - Ingalls Operations and Avondale 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 2003, the Northrop Grumman Ship Systems orderbook, including both Avondale and Ingalls facilities, consisted of: ten DDG-51 Class Guided Missile Destroyers; one LHD-1 Class Amphibious Assault Ship; four LPD-17 Class Amphibious Assault Ships; two TAPS Trade Crude Oil Tankers.

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.

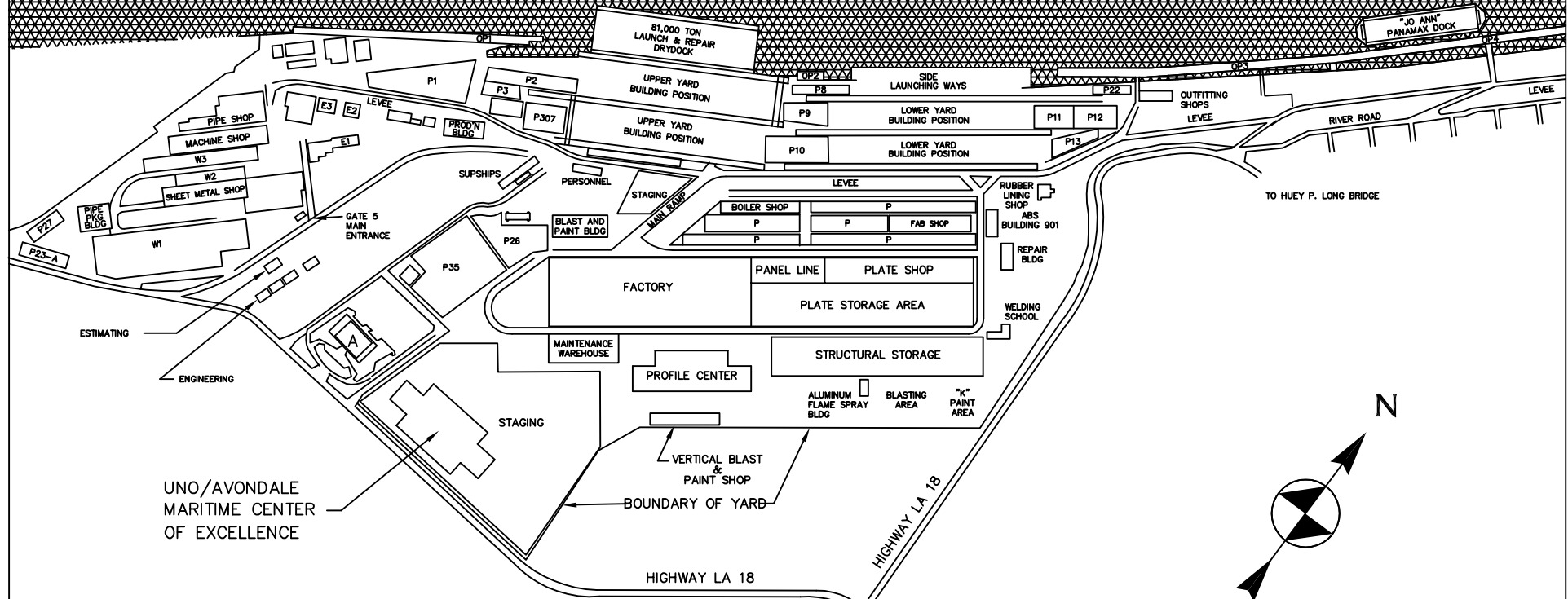
Ingalls' West Bank facility totals 243 hectares and is geared to assembly-line construction. Fabricated steel and subassemblies are brought from various shops to the subassembly area where they are erected and pre-outfitted, then moved to the module assembly area. These areas are divided into five major 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 shipyards 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 late 2003, Northrop Grumman Ship Systems employed a total labor force of approximately 19,000.

MISSISSIPPI RIVER

JO ANN PANAMAX DOCK

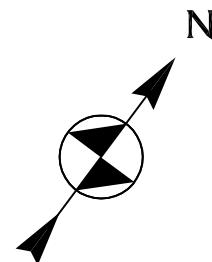
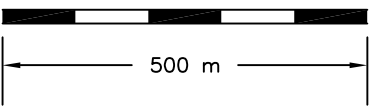


TO HUEY P. LONG BRIDGE

TO HIGHWAY 90

37

SCALE

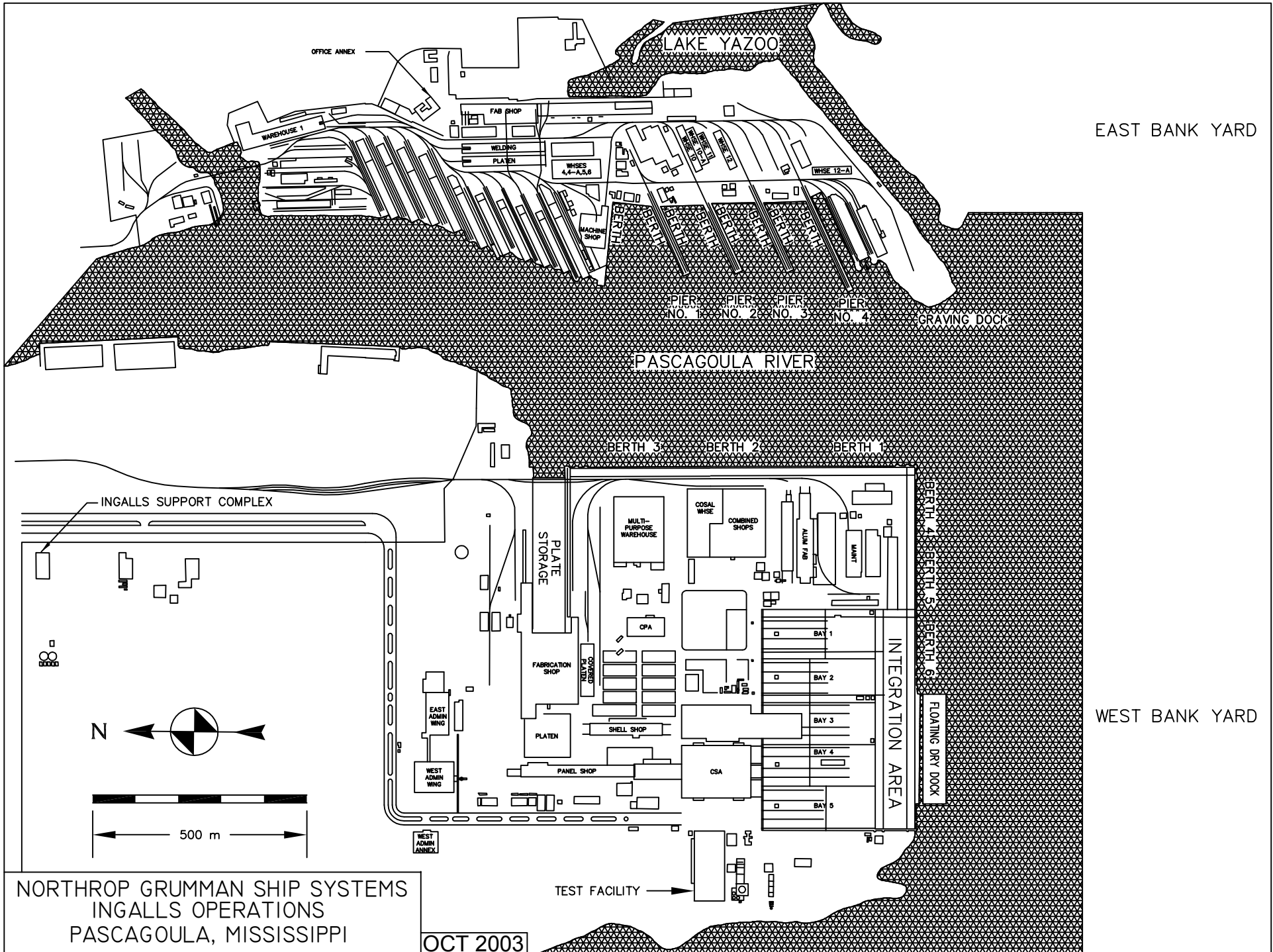


**NORTHROP GRUMMAN SHIP SYSTEMS
AVONDALE OPERATIONS
AVONDALE, LOUISIANA**

OCT 2003

KEY	
A	ADMINISTRATION
E#	ENGINEERING
OP#	OUTFITTING PIER #
P#	PLATEN #
W#	WAREHOUSE

EXHIBIT 16



NORTHROP GRUMMAN SHIP SYSTEMS
 INGALLS OPERATIONS
 PASCAGOULA, MISSISSIPPI

OCT 2003

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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.

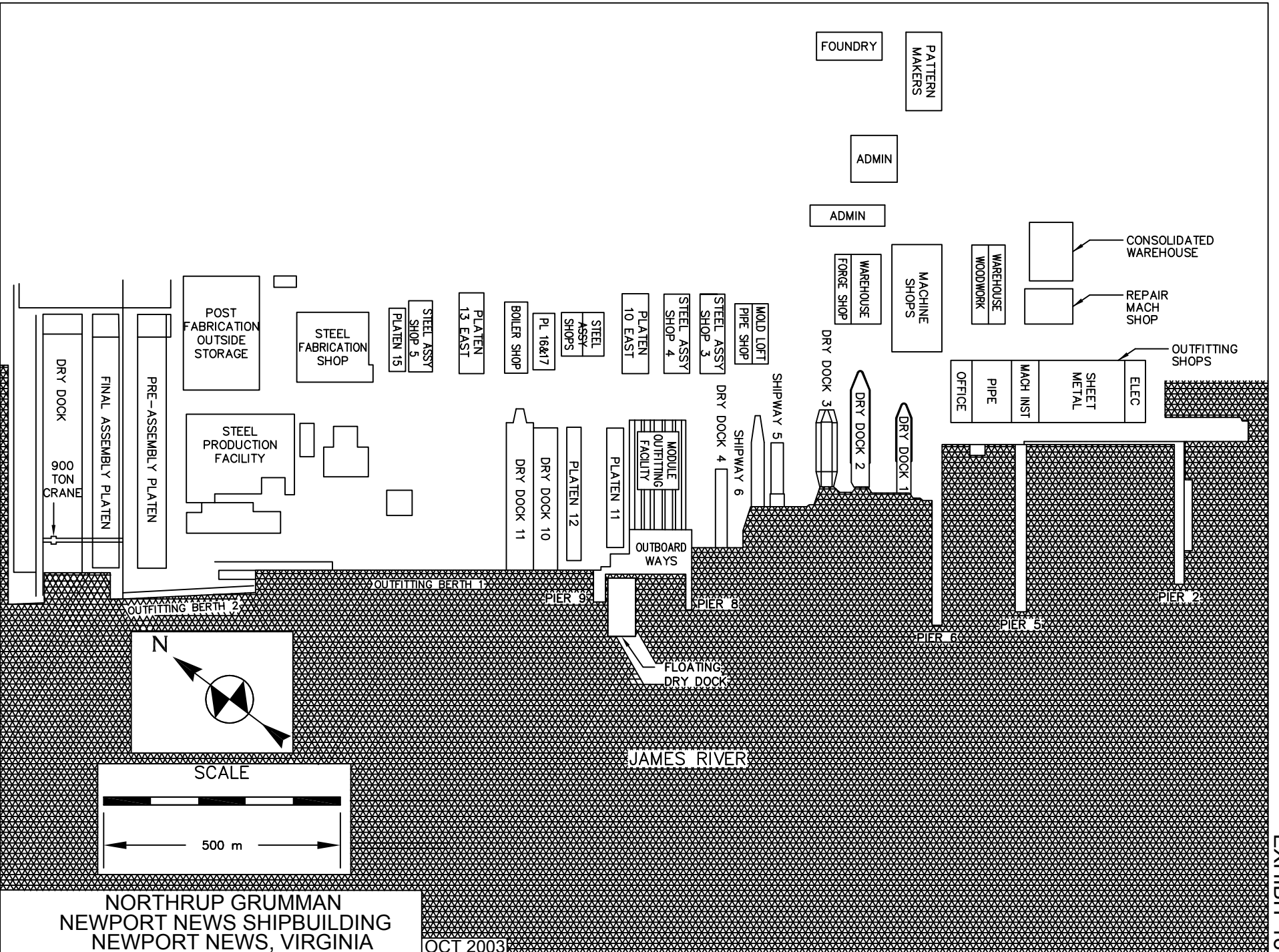
With vast facilities located on more than 223 hectares along two miles of waterfront in Newport News, VA, the company has the capability to design, build and maintain every class of ship in the U.S. Navy's fleet.

Included in Newport News's major facilities are:

Docks - 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 dry dock. 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 dry dock, which is 195 meters by 41 meters, supports submarine construction from the Module Outfitting Facility (MOF). The floating dry dock is currently out of service, undergoing a long-term overhaul, and is scheduled to be back in service by June 2004.

Vessel Berthing - 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-2003, the labor force at Newport News was approximately 17,400.



NORTHROP GRUMMAN
 NEWPORT NEWS SHIPBUILDING
 NEWPORT NEWS, VIRGINIA

OCT 2003

VT-Halter Marine Pascagoula

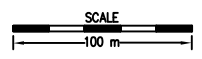
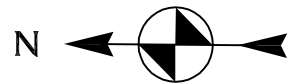
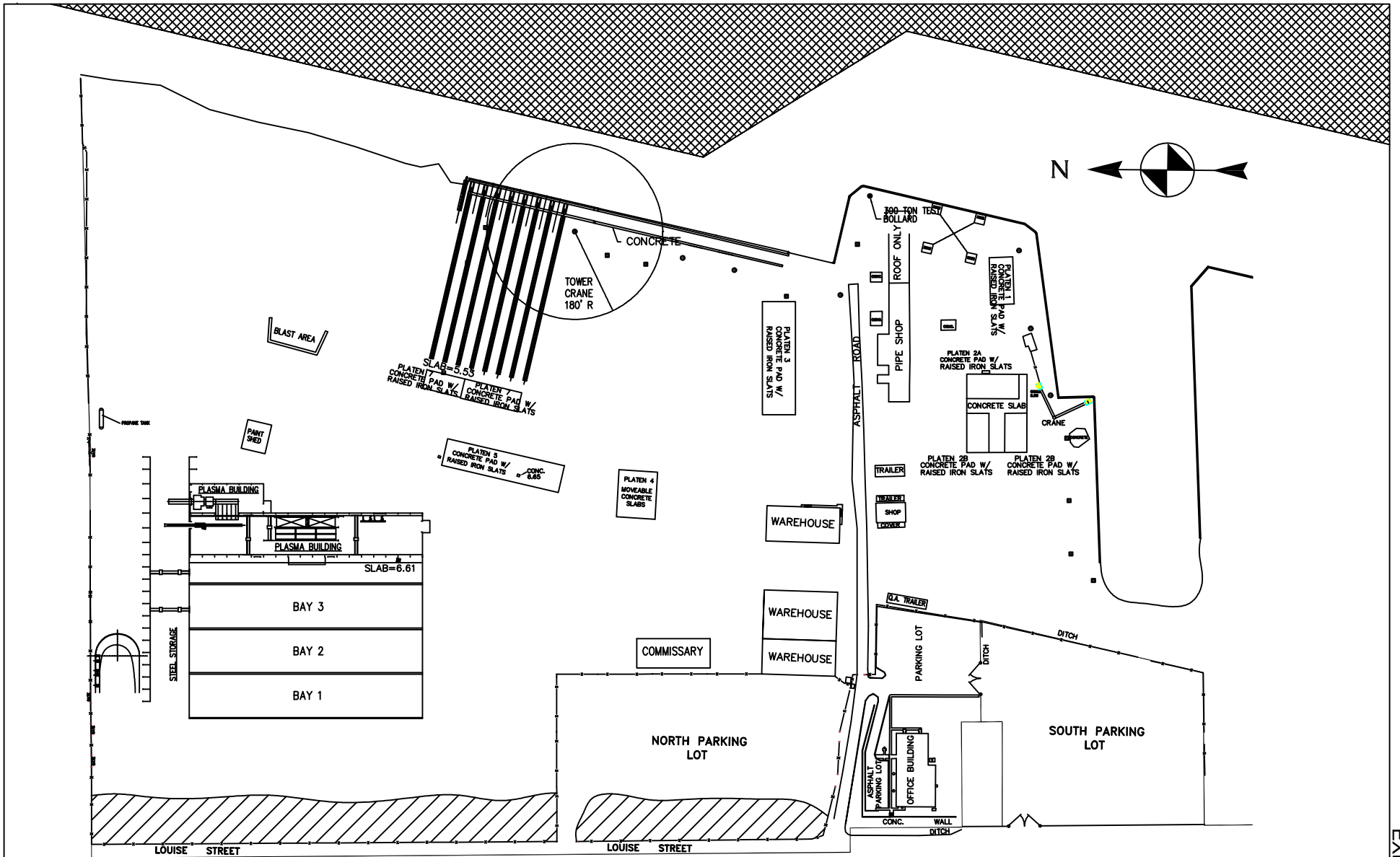
The VT-Halter Marine Pascagoula shipyard was acquired by Halter in November 1995 and is located in Pascagoula, MS. The shipyard consists of approximately 36 hectares of property and has the capacity to build and service vessels up to 244 meters of length by 35 meters beam and 0.6 meters of water depth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

The existing major facilities consist of over 914 meters of 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, 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. The yard has three crawler cranes and two-rack mounted gantry cranes.

This facility has recently undergone a \$20 million expansion, which was structured in three phases. The major components of this plan were implemented when the program was placed on hold until market conditions improved. The Panel Line Building was completed in addition to infrastructure improvements to the waterfront bulkheads, mooring equipment and yard facilities in preparation for the additional planned improvements. The scope that remains to be completed include additional outdoor assembly platens, hull erection slabs and cranes, completion of the outfitting wharf and provision of the utilities associated with these improvements.

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-2003, employment at VT-Halter Pascagoula was about 430.



VT-HALTER MARINE
 PASCAGOULA
 PASCAGOULA, MISSISSIPPI
 OCT 2003

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SHIPBUILDING INDUSTRY AND ACTIVITIES

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MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES

Active Shipbuilding Yards

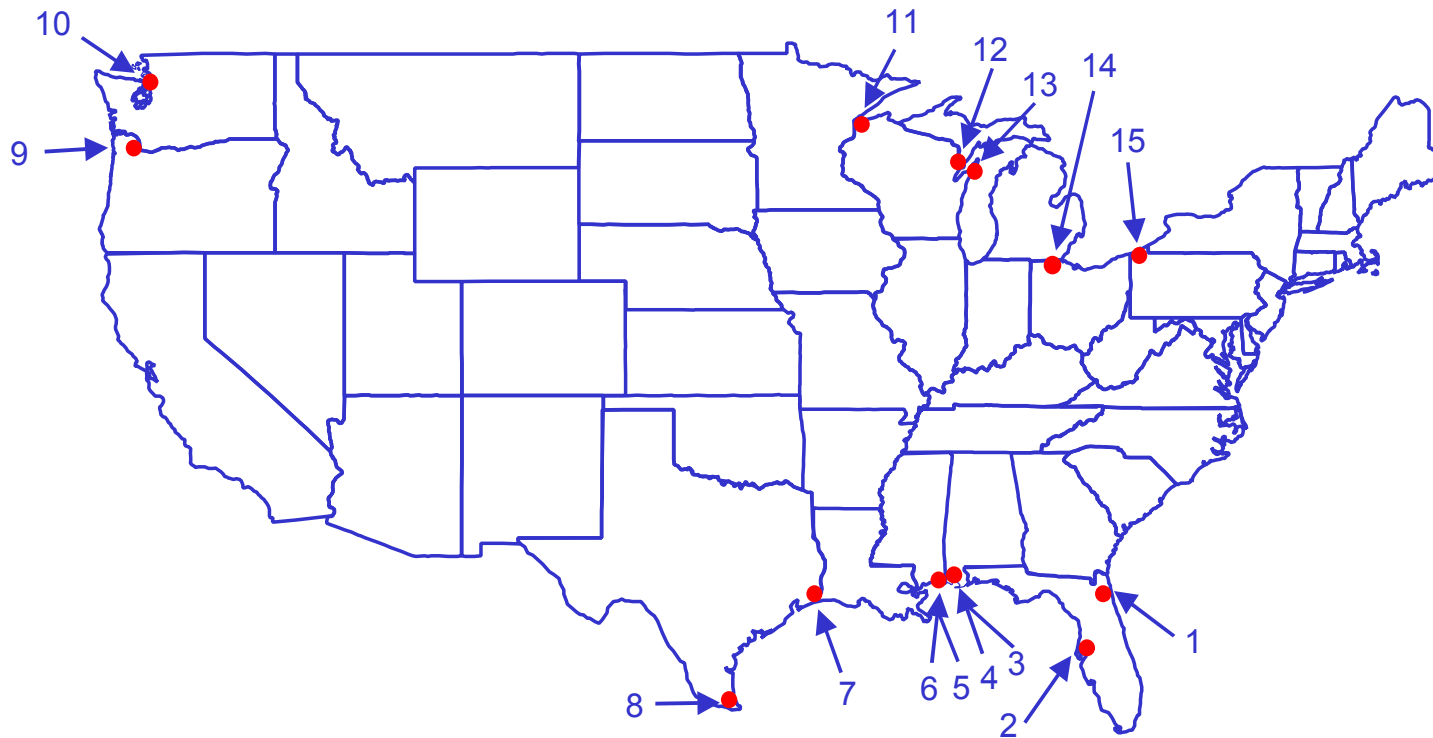


1. Bath Iron Works Corp.
2. Electric Boat Corp.
3. Kvaerner Philadelphia Shipyard, Inc.
4. Northrop Grumman Newport News
5. Bender Shipbuilding and Repair Company, Inc.
6. VT - Halter Marine Pascagoula
7. Northrop Grumman Ship Systems - Ingalls Operations
8. Northrop Grumman Ship Systems - Avondale Operations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

2003

MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES

Other Shipyards with Build Positions



- 1. Atlantic Drydock Corp., Jacksonville
- 2. Tampa Bay Shipbuilding & Repair Co.
- 3. Austal USA
- 4. Alabama Shipyard, Inc
- 5. VT - Halter Moss Point
- 6. Signal International, LLC - East Yard
- 7. United Marine Enterprises, Inc.,
Port Arthur Shipyard
- 8. AMFELS, Inc.
- 9. Gunderson, Inc.

- 10. Todd Pacific Shipyards Corporation
- 11. Fraser Shipyards
- 12. Marinette Marine Corporation
- 13. Bay Shipbuilding Co.
- 14. Toledo Ship Repair, Co.
- 15. Metro Machine Corporation,
Industrial Products Division

2003

U.S. COMMERCIAL SHIPBUILDING ORDERBOOK

At the end of 2003, the orderbook for commercial oceangoing ships consisted of the following: two 32,000 GT containerships at Kvaerner Philadelphia, Philadelphia, PA; four 106,968 GT product tankers at National Steel Shipbuilding, San Diego, CA; two 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 \$1.8 billion.

Exhibit 22

U.S. COMMERCIAL ORDERBOOK (as of December 31, 2003)

SHIPYARD	NUMBER	SHIPTYPE	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	12/15/2004	\$ 70.1
Kvaerner, Philadelphia	2	Containership	32,000	01/24/2000	06/30/2005	\$ 294.0
National Steel and Shipbuilding	4	Product Tanker	106,968	09/15/2000	07/27/2006	\$ 840.0
Northrop Grumman, Avondale	2	Crude Carrier	88,187	06/30/1997	09/30/2005	\$ 570.5
9 Ships						\$ 1,774.6

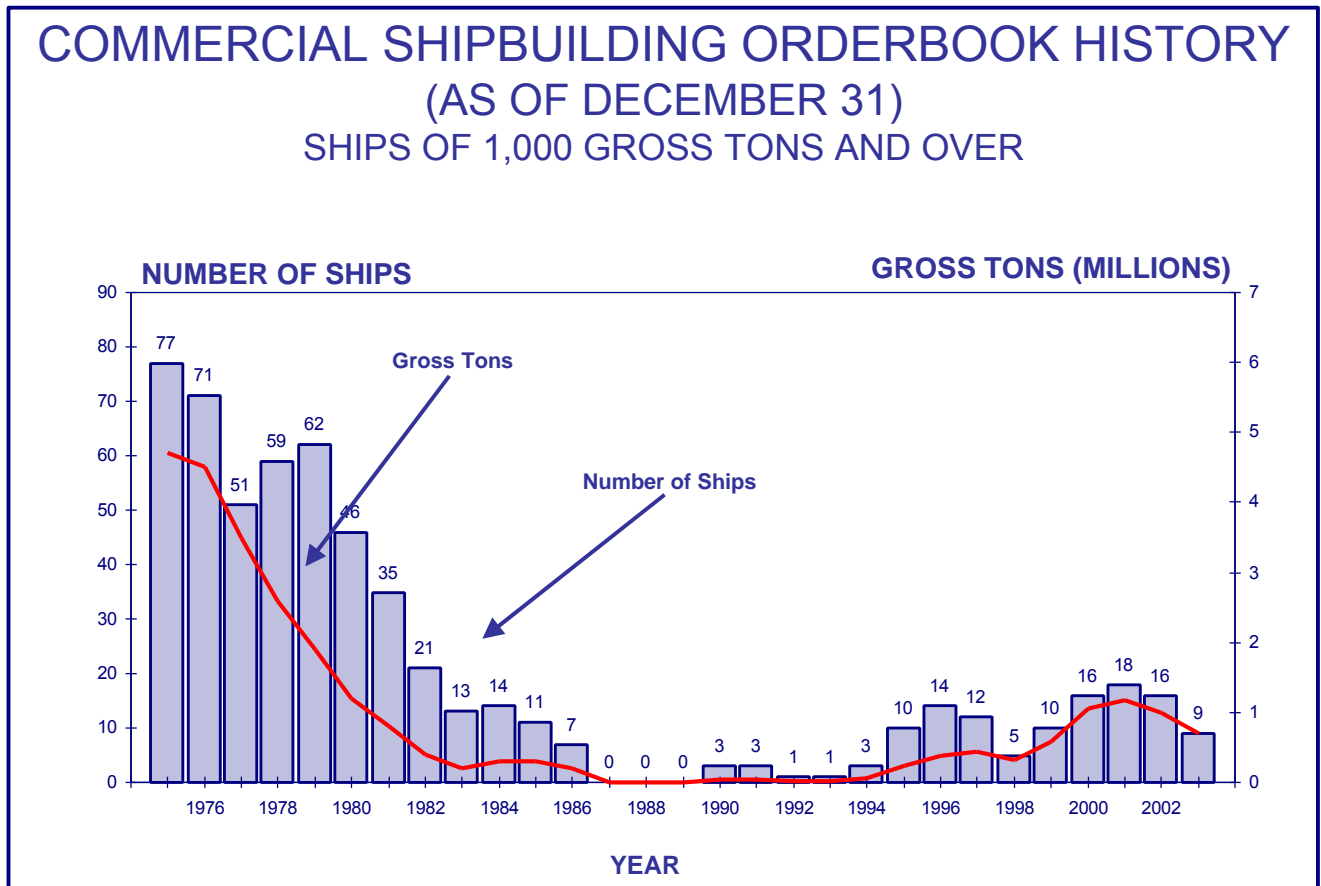
U.S. COMMERCIAL SHIP CONSTRUCTION

As of December 31, 2003, the U.S. commercial shipbuilding orderbook consisted of 9 oceangoing commercial vessels as listed previously.

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.

Exhibit 23

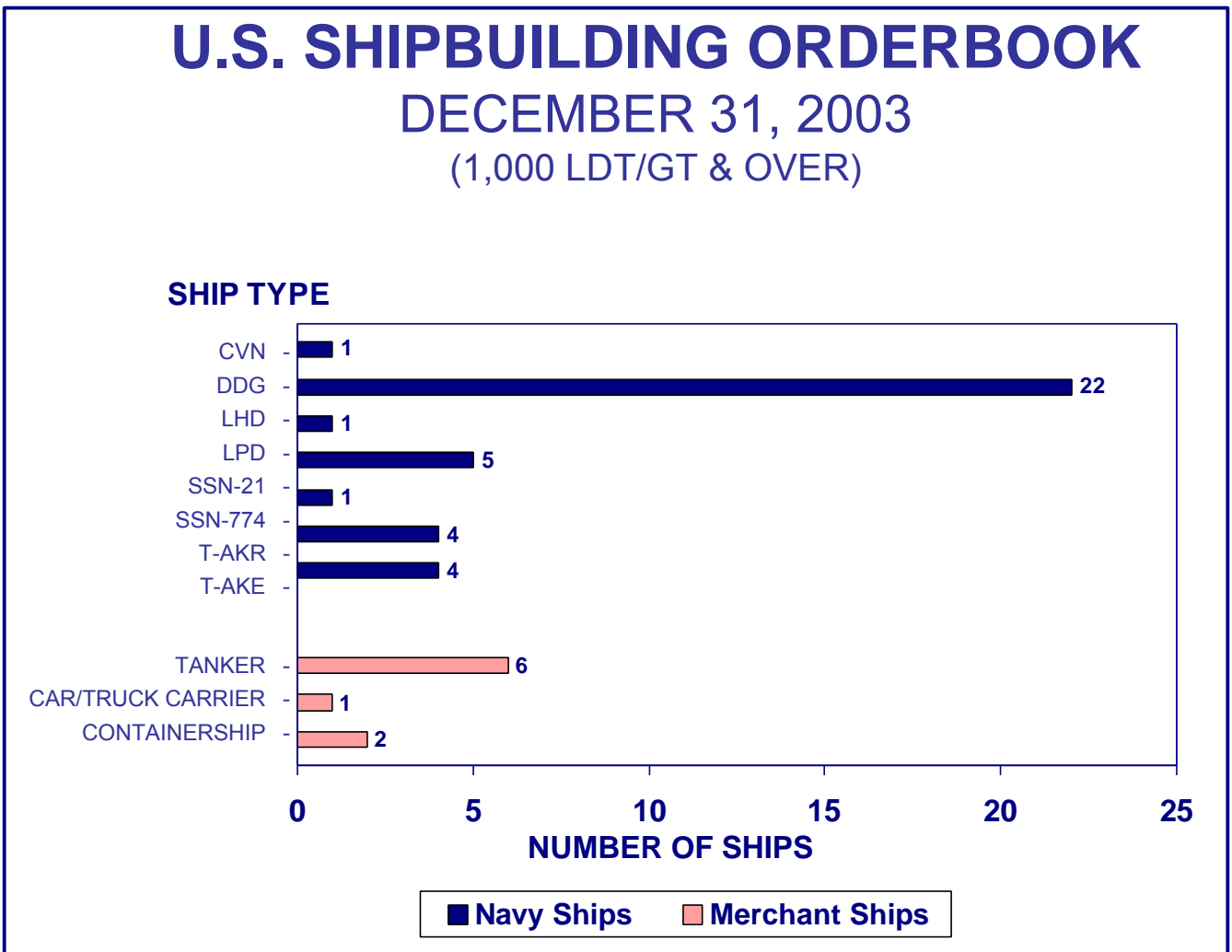


AGGREGATE U.S. SHIPBUILDING ORDERBOOK

As of December 31, 2003, ships on order or under construction in U.S. private shipyards totaled 34 naval and 9 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 seven different types of vessels, included 30 ships scheduled for delivery in 2005 and later. Four shipyards had orders for a total of 9 commercial ships, six are scheduled to be delivered during 2004, two in 2005 and one in 2006.

Exhibit 24



OVERALL NEW U.S. SHIPBUILDING ORDERS

During 2003, U.S. shipyards received no orders for the construction of oceangoing commercial vessels but did receive orders for four new naval vessels (Exhibit 25).

The Navy awarded the following contracts during 2003: one Amphibious Transport ship (LPD), one Combat Logistics vessel (T-AKE) and two Destroyers (DDG's).

Exhibit 25

NEW SHIPBUILDING ORDERS - 2003

as of December 31, 2003
(1,000 GT or LDT and OVER)

SHIPYARD	DESIGN TYPE	APPROXIMATE CONTRACT PRICE (in Millions)	ESTIMATED LDT / GT	CONTRACT AWARD DATE	ESTIMATED DELIVERY DATE
<u>COMMERCIAL SHIPS</u>					
NONE					
<u>NAVAL SHIPS</u>					
Northrop Grumman, Ingalls	DDG 105	\$ 401.5	8,344 LDT	01/02/2003	04/18/2008
National Steel & Shipbuilding	T-AKE 4	\$ 288.0	17,871 LDT	07/21/2003	05/15/2007
Northrop Grumman, Ingalls	LPD 21	\$ 816.6	25,300 LDT	11/26/2003	01/15/2007
Northrop Grumman, Ingalls	DDG 107	\$ 401.5	8,344 LDT	12/23/2003	TBD
4 Ships		\$ 1,907.6	59,859 LDT		

U.S. COMMERCIAL SHIP DELIVERIES

During 2003, U.S. shipyards delivered four commercial oceangoing ships (Exhibit 26). National Steel Shipbuilding in San Diego, California delivered two 60,884 GT RO/RO Trailer Ships to TOTE Ocean Express for use in the Alaskan Jones Act Trade, Northrop Grumman Ship Systems, Avondale Operations, New Orleans, Louisiana delivered the third of a series of 88,187 GT crude tankers to Polar Tankers and Kvaerner, Philadelphia Shipyard, Philadelphia, Pennsylvania delivered its first commercial ship, a 32,000 GT 2,600 TEU containership, to Matson Navigation.

Exhibit 26

COMMERCIAL OCEANGOING VESSELS DELIVERED - 2003 December 31, 2003 (1,000 GT and OVER)

SHIPYARD	DESIGN TYPE	VESSEL NAME	GROSS TONS	CONTRACT DELIVERY DATE	PRICE (IN Millions)
National Steel and Shipbuilding	RO/RO	MIDNIGHT SUN	60,884	03/17/2003	\$150.0
Northrop Grumman, Avondale	Crude Tanker	POLAR DISCOVERY	88,187	07/21/2003	\$168.0
National Steel and Shipbuilding	RO/RO	NORTH STAR	60,884	08/14/2003	\$150.0
Kvaerner, Philadelphia	Containership	MANUKAI	32,600	09/05/2003	\$138.3
	4 Ships		242,555		\$606.3

U.S. NAVAL SHIP DELIVERIES

During 2003, U.S. private shipyards delivered four new naval vessels, 1,000 LDT and larger. The naval vessels delivered totaled approximately 142,305 LDT and had an initial contract value estimated to be \$3.5 billion (Exhibit 27).

Three different types of naval ships were delivered by four shipyards:
 2 - guided missile destroyers (DDG); 1 - vehicle cargo ships (T-AKR) and 1 – nuclear aircraft carrier (CVN).

Exhibit 27

NAVY CONSTRUCTION VESSELS DELIVERED - 2003 December 31, 2003 (1,000 LDT and OVER)					
SHIPYARD	SHIP CLASS and HULL NUMBER	ESTIMATED VESSEL NAME	LDT	DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Northrop Grumman, Ingalls	DDG 89	MUSTIN	8,344	02/28/2003	\$ 400.0
Northrop Grumman, Avondale	T-AKR 306	BENAVIDEZ	34,408	06/30/2003	\$ 227.0
Northrop Grumman, Newport News	CVN 76	RONALD REAGAN	91,209	07/12/2003	\$ 2,500.0
Bath Iron Works	DDG 90	CHAFEE	8,344	08/06/2003	\$ 366.7
	4 Ships		142,305		\$ 3,493.7

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 74 new ships and the conversion of 36 existing vessels. The initial contract value for these vessels totaled approximately \$11.0 billion.

During 2003, there was only one new order for a T-ship placed with a U.S. shipyard.

During this same period, the last in a series of military sealift ships (T-AKR) was delivered by Northrop Grumman Ship Systems, Avondale Operations, New Orleans, Louisiana.

As of December 31, 2003, four T-ships were under construction or on order at one shipyard (Exhibit 28). The value of this orderbook is approximately \$1.3 billion.

Exhibit 28

T-SHIPS ON ORDER OR UNDER CONSTRUCTION (as of December 31, 2003)

SHIPYARD	SHIP CLASS and HULL NUMBER	VESSEL NAME	DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
National Steel and Shipbuilding	T-AKE 1	LEWIS AND CLARK	03/19/2005	\$ 406.9
National Steel and Shipbuilding	T-AKE 2	SACAGAWEA	09/15/2005	\$ 301.6
National Steel and Shipbuilding	T-AKE 3	- unnamed -	05/15/2006	\$ 289.9
National Steel and Shipbuilding	T-AKE 4	- unnamed -	05/15/2007	\$ 288.0
	4 Ships			\$ 1,286.4

PROJECTED U.S. NAVY SHIPBUILDING PLAN

The U.S. Navy shipbuilding plan for fiscal years 2004 - 2009 includes the construction of 52 new ships (Exhibit 29). More than \$80 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 2004 - 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 25 percent increase in the quantity of ships being procured as compared to the 2003-2008 plan.

The Navy's plan includes the construction of 14 guided missile destroyers (DDG-51/DD(X)), 10 attack submarines (SSN) and 6 amphibious transport ships (LPD). These three shipbuilding programs will probably utilize more than 75 percent of the available new construction funding.

Exhibit 29

NAVY SHIPBUILDING PLAN Fiscal Years 2004 - 2009

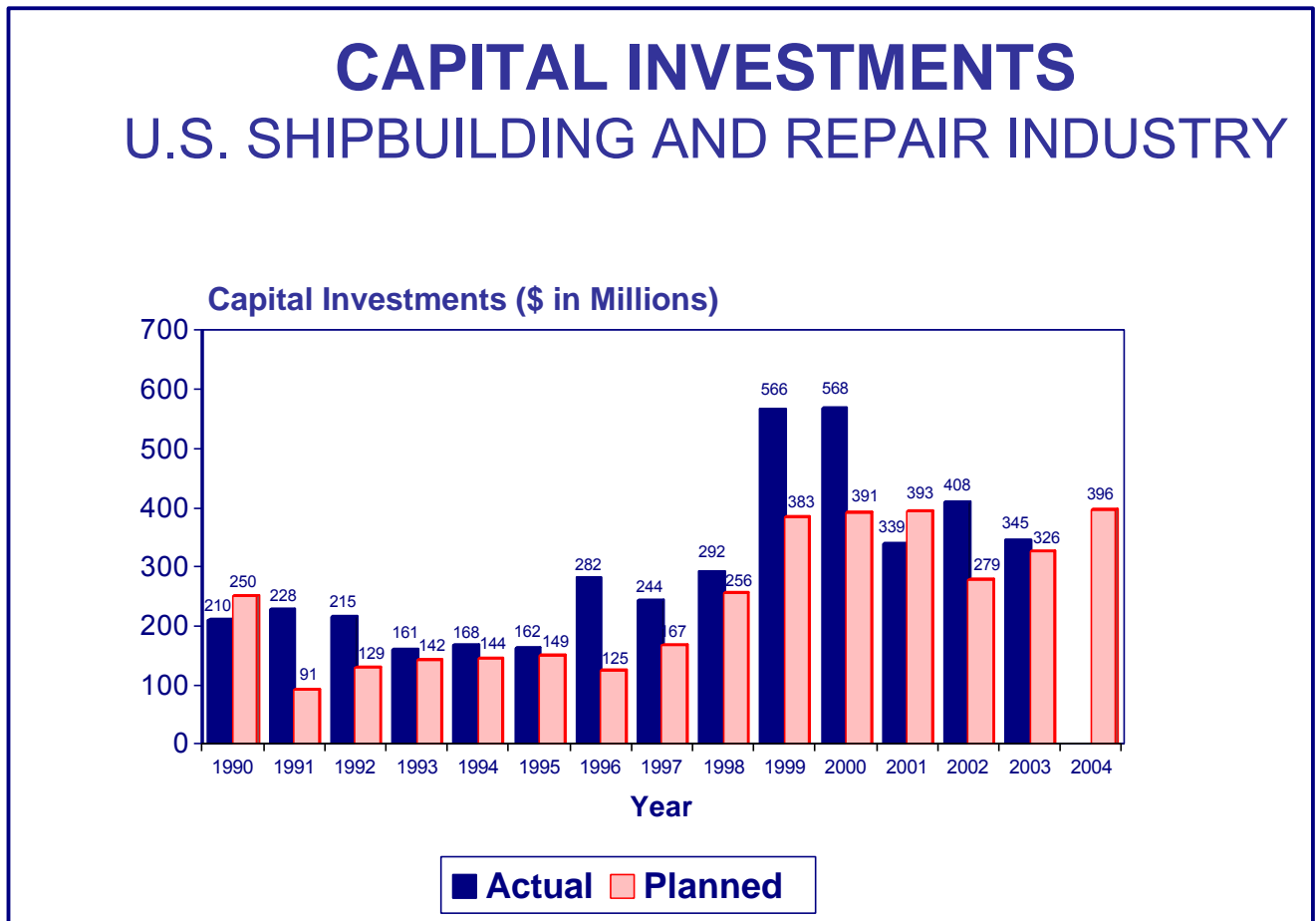
Ship Class	2004	2005	2006	2007	2008	2009	Total
<u>New Construction</u>							
CVN	-	-	-	1	-	-	1
SSN-774	1	1	1	1	3	3	10
DD(X)	-	1	-	2	2	3	8
DDG-51	3	3	-	-	-	-	6
LCS	-	1	1	-	3	6	11
LPD	1	1	2	1	1	-	6
MPF	-	-	-	1	1	1	3
T-AKE	2	2	2	1	-	-	7
Total	7	9	6	7	10	13	52

CAPITAL INVESTMENT IN U.S. SHIPBUILDING

During FY 2003, the U.S. ship construction and ship repair industry invested more than \$345 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 2004, the industry plans to spend about \$396 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 \$8.9 billion. The actual expenditures between 1985 and 2003, with the exception of 1990 and 2001, have consistently exceeded those planned.

Exhibit 30



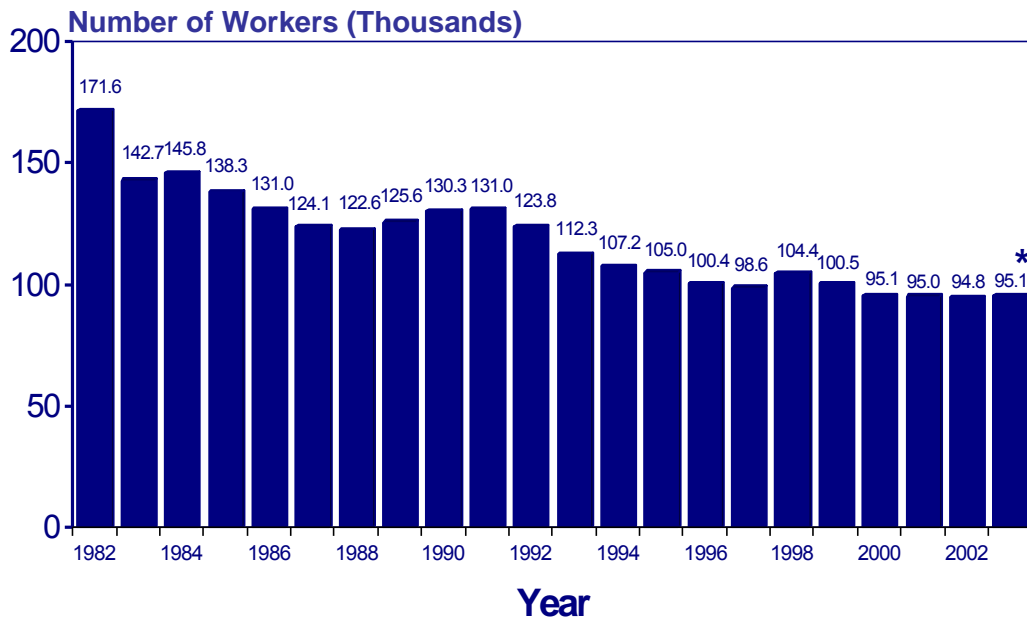
TOTAL EMPLOYMENT IN U.S. PRIVATE SHIPYARDS

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 2003 was 95,100 (Exhibit 31). This total reflects an increase of approximately .05 percent, from the 2002 revised average total employment for the shipbuilding and repairing industry. This average total employment in U.S. shipyards has held fairly steady since 2000.

Since the early 1980's, the long-term trend for employment in the U.S. private shipbuilding and repair business has been lower, despite increases experienced during 1989-1991, and in 1998. The 2003 employment level in the U.S. shipbuilding and repairing industry is down 45 percent from the 1982 level of 171,600 people.

Exhibit 31

AVERAGE TOTAL EMPLOYMENT IN U.S. PRIVATE SHIPYARDS



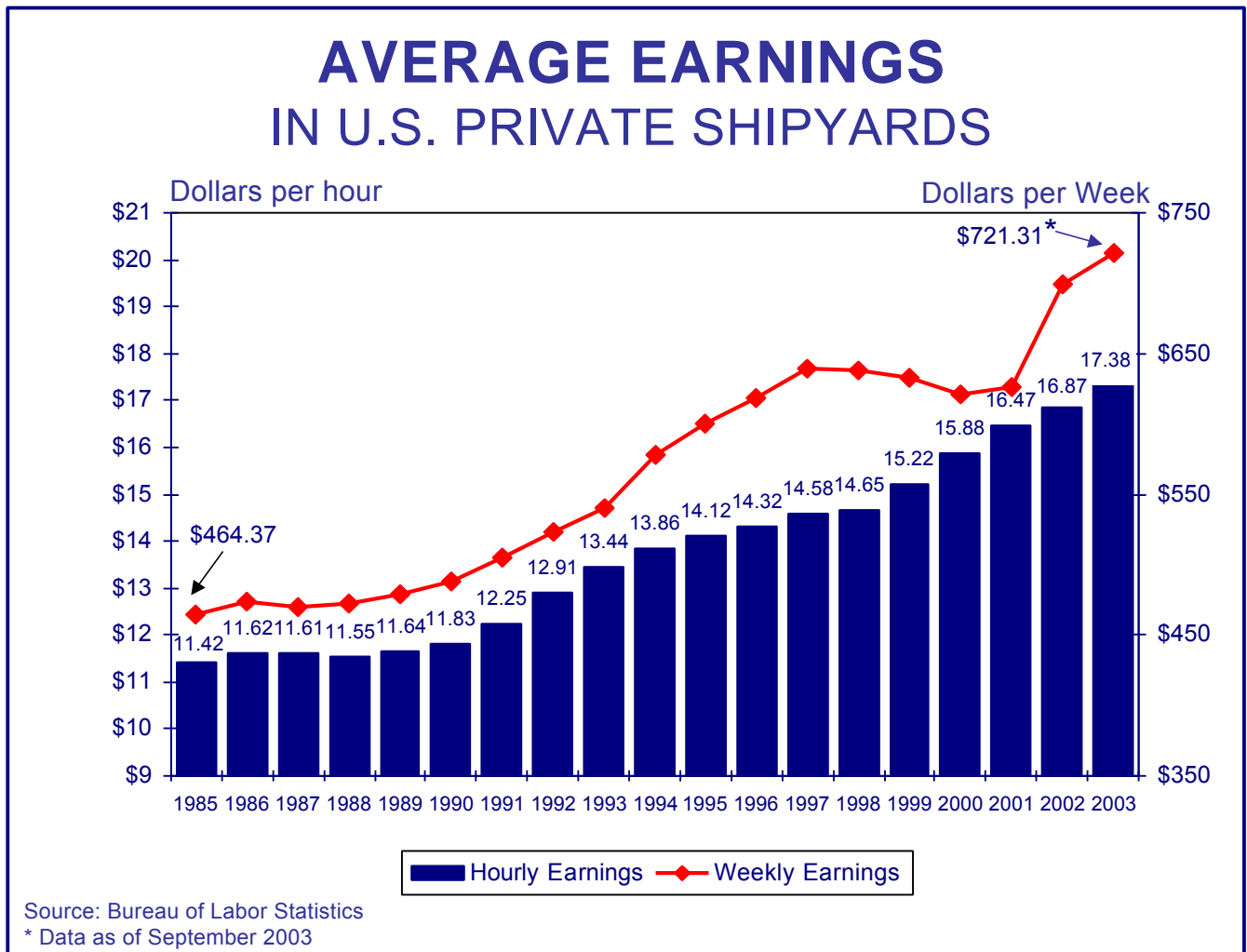
Source: Bureau of Labor Statistics
* Data as of September 2003

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 2003 show an increase from \$11.42 to \$17.38 (Exhibit 32). During the same period, the average weekly earnings rose from \$464.37 to \$721.31.

Exhibit 32



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**SHIPYARD ACTIVITY
REPORT SUMMARY
2003**

SHIPYARD ACTIVITY REPORT SUMMARY
SHIPYARD ORDERBOOK AS OF DECEMBER 31, 2003

Area	Cargo	Roll-On / Roll-Off	Container	Barge Carrier	Tug / Barge	Tanker	Ore/Bulk	Govt.*	T-Ships	Other Vessels	TOTAL
SHIPS UNDER CONSTRUCTION											
East Coast	-	-	1	-	4	-	-	-	-	18	23
Gulf Coast	-	-	-	-	56	3	-	25	1	123	208
West Coast	-	-	-	-	8	4	-	23	3	22	60
Great Lakes and Inland	-	-	-	-	6	-	-	127	-	26	159
TOTAL	-	-	1	-	74	7	-	175	4	189	450
SHIPS UNDER CONVERSION											
East Coast	-	-	-	-	-	-	-	-	-	-	-
Gulf Coast	-	-	-	-	3	-	-	-	-	-	3
West Coast	-	-	-	-	-	-	-	-	-	-	-
Great Lakes and Inland	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	3	-	-	-	-	-	3

* GOVERNMENT PROJECTS EXCLUDING NAVY

TOTAL NUMBER OF UNDELIVERED VESSELS UNDER CONTRACT	453
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CONTRACTS FOR NEW VESSELS (January 2003 – December 2003)

63

A& B Industries
 1 Tug
 All American Marine, Inc.
 1 Passenger Vessel
 1 High Speed Catamaran
 Allen Marine, Inc.
 1 Ferry Catamaran
 AMFELS, Inc.
 1 Semi-Submersible Missile Detection Unit
 Atlantic Marine – 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 Tug
 Bender Shipbuilding and Repair Company
 1 Crane Barge
 Blount Boats
 1 Trash Skimmer Boat
 1 Cargo/Passenger 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 - Amelia Shipyard
 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

Master Boat Builders, Inc.
 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
 Newport 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
 Seark 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

CONTRACTS FOR NEW VESSELS (January 2003 – December 2003)
(CONTINUED)

<p>Toledo Ship Repair Company, Toledo Shipyard 2 Double Hull Tank Barges Trinity Marine Products, Inc. 16 Double Hull Tank Barge Trinity Yachts 1 Tri-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</p>		
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VESSELS DELIVERED (January 2003 – December 2003)

<p>A & B Industries 1 Model Bow Tug</p> <p>Alabama Shipyard 1 ATB Tug 1 ATB, Double Hulled Barge</p> <p>All American Marine, Inc. 1 Aluminum Research Catamaran 1 High Speed Aluminum Catamaran 1 Monohull Research Vessel 1 Passenger Vessel</p> <p>Allen Marine, Inc. 3 Catamaran Ferries 3 Passenger Ferries</p> <p>Atlantic Marine – Jacksonville 1 ATB Tug</p> <p>Austal USA 1 Aluminum High Speed Catamaran 1 Dinner Cruise Boat 1 High Speed Boat</p> <p>Basic Marine 1 Fisheries Research Vessel 1 Vehicle/Passenger Ferry</p> <p>Bath Iron Works Corporation 1 Destroyer (DDG 90)</p> <p>Bay Shipbuilding Company 1 Passenger Vessel 1 Vehicle/Passenger Ferry</p> <p>Bender Shipbuilding and Repair Co., Inc. 1 Construction Vessel 2 Crane Barges 2 Offshore Platform Supply Vessels 2 Platform Supply Vessels</p> <p>Bentz Boats, LLC 4 Tour Boats</p> <p>Blount Boats 1 Boat 1 High Speed Whaler Catamaran</p>	<p>Bollinger Algiers, LLC 7 Tugs (Conversion)</p> <p>Bollinger Gretna, LLC 1 Double Hull Oceangoing Barge 1 Dble Hull Oil Oceangoing Barge</p> <p>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</p> <p>Bollinger Marine Fabricators, LLC 2 Dble Hulled Oil Oceangoing Barge</p> <p>Breaux Brothers 4 Crew Boats 2 Survey Vessels</p> <p>Breaux's Bay Craft, Inc. 2 Crew Boats</p> <p>Burger Boat Company 3 Yachts</p> <p>C & G Boat Works 5 Crew Boats 4 Supply Vessels</p> <p>Conrad Shipyard, Inc. 1 Crew/Supply Vessel 3 Deck Barges</p> <p>Dakota Creek Industries, Inc. 1 Ferry</p> <p>Derecktor Shipyards Connecticut 4 Passenger Ferries 1 Sail Yacht</p> <p>Eagle Drydock and Marine Repairs 1 Dredge Tender</p> <p>Eastern Shipbuilding Group 1 Catamaran Vessel 3 Clam Boats 6 Offshore Supply Vessels 2 Ship Assist Tug 1 Vehicle / Passenger Ferry</p>	<p>Freeport Shipbuilding Group 1 Dinner Cruise Boat 1 Passenger Ferry 1 Passenger / Vehicle Ferry</p> <p>GEO Shipyards 1 Sport Fishing Boat</p> <p>Gladding-Hearn Shipbuilding 3 Fast Ferry 1 Catamaran Ferry 3 Aluminum Pilot Boats</p> <p>Gulf County Shipbuilding 1 Swath Passenger Cruise Boat 3 Aluminum Crew/Supply Boats 1 Aluminum Passenger Catamaran</p> <p>Gunderson, Inc. 1 Deck Cargo Barge 3 Oceangoing Deck Cargo Barges</p> <p>HBC Barge LLC 1 Deck Barge</p> <p>Hope Services, Inc. 3 Push Boats</p> <p>Houma Fabricators – Shipyard De Hoop of Houma, Inc. 3 Offshore Supply Vessel</p> <p>Island Boats, Inc. 1 Ferry 4 Tenders 1 Aluminum Catamaran 3 Landing Craft 3 Passenger Catamaran Ferries</p> <p>John Bludworth Shipyard, LLC 1 Inland Tow Boat</p> <p>Keith Marine, Inc. 1 Yacht</p> <p>Knight & Carver Yacht Center 1 Sailing Catamaran</p> <p>Kody Marine, Inc. 3 Push Boats</p>
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VESSELS DELIVERED (January 2003 – December 2003)
(CONTINUED)

66

<p>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</p>	<p>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</p>	<p>SEMCO 1 Self-Elevating Lift Boat SENECO / 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 Tug 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-Drive Tugs Westport Shipyard, Inc. 7 Motor Yachts William E. Munson Company 2 Landing Craft Winninghoff Boats, Inc. 3 Utility Boats 1 Barge</p>
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VESSELS DELIVERED (January 2003 – December 2003)
(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 (NAVSEASYS/COM) & MARITIME ADMINISTRATION Coordinator for Ship Repair and Conversion (DOD-DOC)	FACILITIES AVAILABLE FOR THE CONSTRUCTION OR REPAIR OF SHIPS	<i>Form Approved OMB No. 0703-0006 Expires Aug 31, 1999</i>
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.		DATE

TO: <i>(Complete departmental address)</i>	SHIPYARD AND ADDRESS	INSTRUCTIONS Forward original copy to appropriate Department of Defense Office or Maritime Administration, Washington, D.C.
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BUILDING WAYS (M.L.W.)									
NO. OF WAY	LAUNCHING <i>(X one)</i>	DIMENSIONS	MAXIMUM SHIP SIZE <i>(Ton 2,240 lbs.)</i>	DEPTH OF WATER		CONDITION OF WAY	CRANES SERVING WAY		
				OVER WAY END	AT DROP OFF		NO.	TYPE <i>(Plus hook height for bridge cranes)</i>	LIFT CAPACITY <i>(Std. tons)</i>
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						
	END	LENGTH	LENGTH O.A.						
	SIDE	WIDTH	BEAM						
	BASIN	DEPTH	WEIGHT						

LENGTH OF LAUNCHING RUN	DEPTH OF RUN AT M.L.W.	TIDAL RANGE <i>(Difference M.L.-M.H.)</i>	IS FIRE PROTECTION AVAILABLE ON BUILDING WAY? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS SNUBBING NECESSARY? <input type="checkbox"/> YES <input type="checkbox"/> NO
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A-3

A-4

SHIP'S BERTHS (Piers, Wharves, Bulkheads, Mooring Dolphins (M.L.W.))										
NO.	TYPE	LENGTH <i>(Actual and Usable)</i>	WATER DEPTH		HEIGHT OF DOCK	USE REPAIR AND/OR OUTFITTING	SERVICE AVAILABLE <i>(Use abbreviations of services and units of measure notated under legend)</i>	CRANES SERVING BERTHS, ETC.		
			INBOARD	OUTBOARD				NO.	TYPE <i>(Hook height above M.L.W.)</i>	LIFT CAPACITY <i>(Std. tons)</i>
		ACT.								LIFT
		USE.								REACH
		ACT.								LIFT
		USE.								REACH
		ACT.								LIFT
		USE.								REACH
		ACT.								LIFT
		USE.								REACH
		ACT.								LIFT
		USE.								REACH
		ACT.								LIFT
		USE.								REACH
		ACT.								LIFT
		USE.								REACH

DRYDOCKS (Mean HIGH Water) *(List building docks under building ways)*

DOCK NO.	MATERIAL CONSTRUCTED OF - TYPE FLOATING-(FD); GRAVING-(GD); MARINE RAILWAY-(MR)	MAXIMUM SHIP SIZE ACCOMMODATED LENGTH OA - BEAM	LENGTH			CLEAR WIDTH		DEPTH/DRAFT			LIFTING CAPACITY <i>(Ton 2,240 lbs.)</i>
			OVERALL	AT COPING (GD); ON PONTOONS (FD)	AT KEEL BLOCKS; ON CRADLE (MR)	AT TOP; CRADLE (MR)	AT KEEL BLOCKS	OVER SILL (GD)	OVER FLOOR	OVER KEEL BLOCKS	

LEGEND *(Abbreviations of Services)*

Fresh water - F.W. - G.P.M. - P.S.I. Salt water - S.W. - G.P.M. - P.S.I.	Steam - S - P/HR - P.S.I. Air - A - C.F.M. - P.S.I.	Electric power - E-V-AC-AMP Electric power - E-V-DC-AMP	Fire protection - FP - G.P.M. - P.S.I. Sanitary sewer - SS - Yes or No
-----------------------------------------------------------------------------	--------------------------------------------------------	------------------------------------------------------------	---------------------------------------------------------------------------

A-5

PRINCIPAL SHOPS AND BUILDINGS						ALL OTHER SHOPS <i>(List names and dimensions, include mold loft, if any)</i>
NAME OF SHOP OR BUILDING	DIMENSIONS OF SHOP OR BUILDING	MATERIALS PROCESSED <i>(See Note)</i>	LARGEST EXIT		WEIGHT OF MATERIAL OR NUMBER AND SIZE OF UNITS PRODUCED PER 8 HOURS <i>(See Note)</i>	
			WIDTH	HEIGHT		
FABRICATING						
PLATE						
SHEET METAL						
SUBASSEMBLY						
CARPENTER						
WOODWORKING						
BOAT ASSEMBLY OR MOLDING						
MACHINE						
ELECTRICAL						
ELECTRONIC						
PIPE						
GALVANIZING						
FOUNDRY						
RIGGER						

NOTE: Indicate materials as steel, aluminum, reinforced plastic, wood, plywood, sheet metal, etc.

SHOP OR YARD CRANES <i>(5 tons or over)</i>											
BRIDGE TYPE				STATIONARY, RAIL OR MOBILE							
CAP. <i>(Std. tons)</i>	MAX. SPAN	HEIGHT OF HOOK	AREA/SHOP SERVICED	TYPE	CAP. <i>(Std. tons)</i>	MAX. REACH	CAPACITY AT REACH	BOOM LENGTH	HEIGHT HINGE	AREA SERVICED	HGT. OF HOOK ABOVE BASE AT OUT REACH

MAJOR ITEMS OF MACHINE TOOLS AND EQUIPMENT *(List briefly such of the large items as will indicate the capacities of all important shops in maximum work piece size, e.g., 30' plate bending rolls, 10' plate shears, 400 ton Hydraulic press, 30' plate furnace, engine lathe 36" x 20" b.c., etc.)*

STORAGE SPACE (Sq. ft.) FOR COMPONENTS AND MATERIALS *(Less boat storage) (List dimensions for each area, plus type material stored)*

RAW STEEL STORAGE <i>(Sq. ft.)</i>	WELDING AND ASSEMBLY <i>(Sq. ft.)</i>
-------------------------------------------	----------------------------------------------

ACREAGE LEGALLY CONTROLLED

IN USE	DEVELOPED <i>(Including in use)</i>	TOTAL <i>(Including undeveloped)</i>
---------------	--------------------------------------------	---------------------------------------------

EXISTING LOCAL ORDINANCES LIMITING PRODUCTIVE USE

LIMITATIONS IMPOSED BY PROPERTY ZONING CLASSIFICATION

YARD LAYOUT - PLEASE FURNISH A PLOT PLAN OF YARD OR PLANT, IF AVAILABLE.

LOCATION OF PRODUCTION FACILITIES FOR PRODUCTS LISTED IN ITEM 8 OF SF 129			ON WATERFRONT <input type="checkbox"/> YES <input type="checkbox"/> NO		PROJECTS UNDER CONSTRUCTION WHICH WILL ALTER NAVIGATIONAL RESTRICTIONS (Specify projects and state effect and estimated completions.)
EMPLOYMENT	CURRENT	CURRENT NO. SHIFTS	MOBILIZATION - SHIFTS		
MANAGEMENT, ADMINISTRATION					
PROFESSIONAL, ENGINEERING					
PROFESSIONAL, TECHNICAL (All others)					
PRODUCTION, SKILLED					
PRODUCTION, SEMISKILLED					
PRODUCTION, UNSKILLED					
NONPRODUCTION					
TOTAL					
NUMBER OF PRODUCTION PERSONNEL PRESENTLY ENGAGED IN SHIP AND/OR BOAT CONSTRUCTION (); REPAIR ().					DESCRIPTION OF TYPES OF WORK NORMALLY SUBCONTRACTED
APPROXIMATE TOTAL EMPLOYMENT OF ALL AFFILIATED CONCERNS ONLY LISTED IN ITEM 6 OF SF 129 (NOTE: An affiliate is a concern that directly, or indirectly through one or more intermediary controls, or is controlled by, or is under common control with, the reporting firm. Common ownership of stock by individuals does not in itself constitute affiliation.)					
DISTANCE TO NEAREST RAILROAD CONNECTION		DISTANCE TO NEAREST AIRPORT - IDENTIFY			
LARGEST CONVEYANCE AVAILABLE AND MAXIMUM DIMENSIONS OF LOAD, FOR OVERLAND TRANSPORTATION OF FINISHED PRODUCTS (Not to exceed limitations imposed by local ordinances)					
NAVIGATIONAL RESTRICTIONS (Indicate all at M.L.W.)					
MINIMUM CHANNEL TO TIDEWATER		MINIMUM HORIZONTAL AND VERTICAL BRIDGE CLEARANCES TO TIDEWATER (Identify structures)			
LIMITING LOCK DIMENSIONS TO TIDEWATER (Identify locks)					

A-7

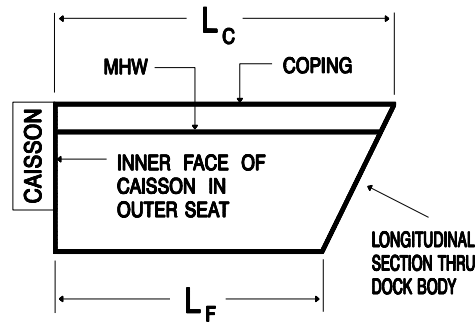
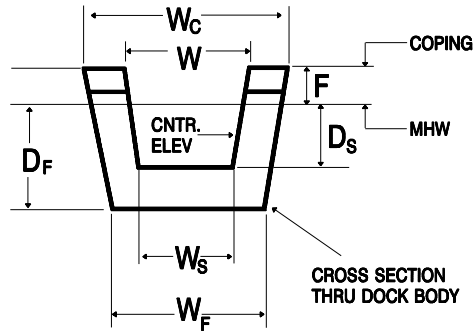
PRODUCTION EXPERIENCE *(List at least three of the largest and the most complex ships or boats constructed, indicating (1) date completed, (2) hull length, beam, and molded depth, (3) type propulsion unit (fully described), (4) horsepower, (5) electrical and/or electronic installation, (6) special piping features, (7) size and tensile strength of plates, if steel, or type hull material, if other than steel, (8) special annealing, heat treating, or stress relieving problems encountered, if steel, plus, (9) any other important problems resolved.)*

(NOTE: If no previous construction experience give detailed description of major conversion or industrial manufacturing work considered comparable to ship or boat construction.)

A-8

GRAVING DOCK CHARACTERISTICS SUMMARY

GRAVING DOCK NOMENCLATURE



KEY

- MHW - Mean High Water
- D_F - Depth of Dock from MHW to Floor
- D_S - Depth of Dock from MHW to Sill
- L_C - Length of Dock at Coping
- L_F - Length of Dock at Floor
- W - Width of Dock at Top of Entrance
- W_C - Width of Dock at Coping or maximum clear width above Dock Floor
- W_F - Width at Dock Floor
- W_S - Width of Dock at Entrance (Sill)
- F - Freeboard. Distance from MHW to top of coping. Indicate if part of Freeboard may be superfloded.

6-A

GRAVING DOCK IDENTIFIER	LENGTH		ENTRANCE DIMENSIONS			DOCK BODY DIMENSIONS				SUPERFLLOODING	STANDARD DEFINITION	AVAILABLE ELECTRICAL SERVICE (SHORE POWER TO VESSEL)			REMARKS (e.g. indicate dimensions of pits in dock floor)
			WIDTH		DEPTH	WIDTH		DEPTH	FREEBOARD			VOLTS	AMPS	HERTZ	
	FLOOR L_F	COPING L_C	SILL W_S	COPING W	MHW D_S	FLOOR W_F	COPING W_C	MHW D_F	F		$\frac{L_C \times W_C \times D_S}{D_F}$				

FLOATING DRYDOCK CHARACTERISTICS SUMMARY

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

A-10

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.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Active Shipbuilding Yards

Bath Iron Works Corporation 700 Washington Street Bath, ME 04530			<u>1/</u> Construction, repair, and conversion.
	213 X 26 SW	<u>259</u>	
	219 X 34 SW	899	<u>2/</u> 6,738
	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 75 Eastern Point Road Groton, CT 06340-4989			<u>1/</u> Construction of submarines for the U.S. Navy.
	(4) 134 X 10 SW	<u>229</u>	
	174 X 24 LL	1,034	<u>2/</u> 8,887
	151 X 20 GD		
	180 X 26 GD		
	183 X 27 GD		

Web Address: www.gdeb.com

Kvaerner Philadelphia Shipyard, Inc. Philadelphia Naval Business Center Philadelphia, PA 19112-1808			<u>1/</u> New construction.
	(2) 330 X 43 GD	<u>200</u>	
		200	<u>2/</u> 845

Web Address: www.phillyshipyard.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Active Shipbuilding Yards

Northrop Grumman Newport News 4101 Washington Avenue Newport News, VA 23607-2770			<u>1/</u> Construction, repair, and conversion.
	(4) 183 X 12 LL	<u>509</u>	
	139 X 21 GD **	2,972	<u>2/</u> 17,440
	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.northropgrumman.com/index.asp

- * Used for construction.
- ** Used for repair and overhaul.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		<u>Usable Length</u>	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Other Shipyards with Building Positions

Atlantic Dry Dock Corporation 8500 Heckscher Drive Jacksonville, FL 32226-2400		<u>310</u>	<u>1/</u> Construction, repair, and overhaul of small and medium size vessels.
	137 X 23 SW	731	<u>2/</u> 977
	189 X 26 FD		
	137 X 23 MR		
	76 X 12 MR		

Web Address: www.atlanticmarine.com

AFDM-7 "Sustain" ex Navy dock

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

EAST COAST

Repair Yards with Drydock Facilities

Bayonne Dry Dock & Repair Corporation Brooklyn Navy Yard, Building 386 Bayonne, NJ 07002	329 X 45 GD	<table border="0"> <tr><td style="text-align: right;">488</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">488</td></tr> </table>	488	488	<u>1/</u> General ship repair with drydocking. <u>2/</u> 104
488					
488					

Web Address: - NOT AVAILABLE -

Boston Ship Repair, Inc. 32A Drydock Avenue Boston, MA 02210	350 X 37 GD	<table border="0"> <tr><td style="text-align: right;">169</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">770</td></tr> </table>	169	770	<u>1/</u> Ship repair. <u>2/</u> 100
169					
770					

Web Address: - NOT AVAILABLE -

Caddell Dry Dock & Repair Company, Inc. P.O. Box 327 Staten Island, NY 10310	101 X 18 FD 137 X 25 FD 55 X 15 FD 78 X 16 FD 78 X 20 FD 80 X 13 FD 79 X 20 FD	<table border="0"> <tr><td style="text-align: right;">169</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">770</td></tr> </table>	169	770	<u>1/</u> General ship repair. <u>2/</u> 158
169					
770					

Web Address: www.caddelldrydock.com

Colonna's Shipyard, Inc. 400 East Indian River Road Norfolk, VA 23523	195 X 25 FD 98 X 20 FD 104 X 18 MR 110 X 21 MR 56 X 13 MR 64 X 11 MR	<table border="0"> <tr><td style="text-align: right;">274</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">1,545</td></tr> </table>	274	1,545	<u>1/</u> General ship repair. <u>2/</u> 333
274					
1,545					

Web Address: www.colonnaship.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

EAST COAST

Repair Yards with Drydock Facilities

Detyens Shipyards, Inc., Main Yard 1670 Drydock Avenue, Building 236 North Charleston, SC 29405-2121	178 X 28 GD * 185 X 29 GD * 226 X 32 GD *	640 <u>1,913</u>	<u>1/</u> General ship repair and conversion. <u>2/</u> 456
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Web Address: www.detyens.com

* Leased from Charleston Naval Shipyard Redevelopment Association.

Detyens Shipyards, Inc., Wando Division 2383 Hwy 41 Mt. Pleasant, SC 29466	152 X 20 FD	122 <u>545</u>	<u>1/</u> General ship repair. <u>2/</u> 56
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Web Address: www.detyens.com

GMD Shipyard Corporation Brooklyn Navy Yard, Building 386 Brooklyn, NY 11205	(2) 330 X 45 GD	233 <u>503</u>	<u>1/</u> General ship repair. <u>2/</u> 34
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Web Address: - NOT AVAILABLE -

Metro Machine Corporation 200 Ligon Street Norfolk, VA 23501	290 X 40 FD	239 <u>885</u>	<u>1/</u> General ship repair and conversion. <u>2/</u> 464
--------------------------------------------------------------------	-------------	-------------------	----------------------------------------------------------------

Web Address: www.memach.com

Metro Machine Corporation - Philadelphia Division Philadelphia Naval Business Center Philadelphia, PA 19112	219 X 24 GD 300 X 34 GD	341 <u>1,195</u>	<u>1/</u> General ship repair and conversion. <u>2/</u> 156
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Web Address: www.memach.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

EAST COAST

Repair Yards with Drydock Facilities

Norfolk Shipbuilding & Drydock Corporation, Berkley 750 West Berkley Avenue Norfolk, VA 23523-1002			<u>1/</u> Ship repair and conversion.
	174 X 29 FD 305 X 48 FD	<u>393</u> 1,227	<u>2/</u> 1,021
Web Address: www.norshipco.com			

North Florida Shipyard, Inc. P.O. Box 3255 Jacksonville, FL 32206			<u>1/</u> Ship repair and conversion.
	122 X 17 FD	<u>290</u> 966	<u>2/</u> 363
Web Address: www.northfloridashipyard.com			

SPEEDE Shipyard, LLC 200 Ligon Street Norfolk, VA 23501			<u>1/</u> Drydock and coating of Panamax beam ships.
	302 X 5 FD		<u>2/</u> 12
Web Address: www.memach.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

EAST COAST

Topside Repair Yards

Associated Naval Architects, Inc. 3400 Shipwright Street Portsmouth, VA 23703	37 X 11 MR 37 X 12 MR 40 X 12 MR 72 X 15 MR	137 <u>439</u>	<u>1/</u> General ship repair. <u>2/</u> 63
Web Address: www.anashipyard.com			
Kerney Service Group, Inc. 1601 South Main Street Norfolk, VA 23523-1266		244 <u>366</u>	<u>1/</u> Topside repair. <u>2/</u> 85
Web Address: - NOT AVAILABLE -			
Marine Hydraulics International, Inc. 543 East Indian River Road Norfolk, VA 23523		219 <u>829</u>	<u>1/</u> General ship repair. <u>2/</u> 316
Web Address: www.mhi-shiprepair.com			
Metal Trades, Inc. 1210 Truxtun Avenue, Building 2 N. Charleston, SC 29405	23 X 10 TR 23 X 9 MR 63 X 18 MR 91 X 18 MR	320 <u>1,026</u>	<u>1/</u> General ship repair, fabrication and layberth. <u>2/</u> 163
Web Address: www.metaltrades.com			
Moon Engineering Company, Inc. 2 Harper Avenue Portsmouth, VA 23707-0909		244 <u>1,037</u>	<u>1/</u> General ship repair. <u>2/</u> 241
Web Address: www.mooneng.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		Longest Total Linear	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock		
	MR -- Marine Railway		
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Topside Repair Yards

Newport Shipyard Company, LLC 1 Washington Street Newport, RI 02840-1513			<u>1/</u> General ship repair.
		305	
	24 X 7 TR	588	<u>2/</u> 65
	46 X 12 TR		
	91 X 19 MR		

Web Address: www.newportshipyard.com

Norfolk Shiprepair & Drydock Corporation Foot of Claiborne Avenue Norfolk, VA 23504			<u>1/</u> General ship repair.
		183	
	136 X 23 MR	1,106	<u>2/</u> 152
	73 X 13 MR		

Web Address: - NOT AVAILABLE -

Promet Marine Services Corporation 242 Allens Avenue Providence, RI 02905			<u>1/</u> General ship repair.
		183	
	46 X 10 TR	366	<u>2/</u> 62

Web Address: www.prometmarineservices.com

Reynolds Shipyard Corporation 200 Edgewater Street Staten Island, NY 10305			<u>1/</u> General ship repair.
		134	
		134	<u>2/</u> 10

Web Address: - NOT AVAILABLE -

Steel Style, Inc. 401 S. Water Street Newburgh, NY 12550			<u>1/</u> General ship repair.
		183	
	43 X 15 MR	335	<u>2/</u> 23
	91 X 30 MR		

Web Address: - NOT AVAILABLE -

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Topside Repair Yards

The General Ship Repair Corporation 1449 Key Highway Baltimore, MD 21230			<u>1/</u> General ship repair.
	30 X 15 LL	<u>146</u>	
	66 X 18 FD	271	<u>2/</u> 37
Web Address: www.generalshiprepair.com			

The Hinckley Company One Little Harbor Landing Portsmouth, RI 02871			<u>1/</u> General ship repair.
	24 X 5 TR	<u>244</u>	
	40 X 9 TR	488	<u>2/</u> 106
Web Address: www.thco.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Active Shipbuilding Yards

Bender Shipbuilding and Repair Company, Inc. 265 South Water Street Mobile, AL 36603		<u>258</u>	<u>1/</u> Construction, repair, and conversion of ships and small vessels.
	122 X 24 SW	1,151	<u>2/</u> 867
	(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.com

Northrop Grumman Ship Systems, Avondale Operations Mail Station 91 Avondale, LA 70150-0280		<u>521</u>	<u>1/</u> Modular ship construction, conversion, and repair.
	265 X 38 SW *	1,431	<u>2/</u> 6,953
	311 X 53 SW ***		
	(2) 265 X 38 LL **		
	(2) 311 X 53 LL **		
	229 X 35 FD *		
	305 X 66 FD **		

Web Address: www.ss.northropgrumman.com/company/avondale.cfm

- * Upper main yard.
- ** Lower main yard. Can accommodate ship up to 366 meters in length.
- *** Westwego Plant.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

GULF COAST

Active Shipbuilding Yards

Northrop Grumman Ship Systems, Ingalls Operations P.O. Box 149 Pascagoula, MS 39568-0149	(5) 259 X 53 LL * 488 X 53 LL * 305 X 53 FD *	<u>792</u> 1,758	<u>1/</u> Construction, repair, and conversion. <u>2/</u> 10,523
Web Address: www.ss.northropgrumman.com/company/ingalls.cfm			* West Bank can only launch ships up to 259 X 53 meters. Land Level Positions constrained by launching capability.
VT - Halter Marine Pascagoula 5110 Washington Avenue Pascagoula, MS 39568-1328	160 X 32 SW 229 X 30 SW	<u>274</u> 762	<u>1/</u> Construction and repair of ships and small vessels. <u>2/</u> 436
Web Address: www.haltermarine.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		Longest Total Linear	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock		
	MR -- Marine Railway		
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Other Shipyards with Building Positions

Alabama Shipyard P.O. Box 3201 Mobile, AL 36652 Web Address: www.atlanticmarine.com	290 X 50 LL	<u>328</u> 642	<u>1/</u> Conversion, repair with major shipbuilding capability. <u>2/</u> 139
AMFELS, Inc. 20000 Highway 48 Brownsville, TX 78523 Web Address: - NOT AVAILABLE -	335 X 122 LL 183 X 30 FD	<u>610</u> 610	<u>1/</u> Offshore oil rigs with major shipbuilding capability. <u>2/</u> 2,084
Austal USA P.O. Box 1049 Mobile, AL 36633 Web Address: www.austal.com/overview/usa.cfm	130 X 10 LL	<u>122</u> 122	<u>1/</u> Builds high-speed aluminum vessels. <u>2/</u> 167
Signal International, LLC - East Yard 600 Louise Street Pascagoula, MS 39581 Web Address: www.signalint.com	165 X 160 SW 111 X 62 FD	<u>610</u> 610	<u>1/</u> Repair and modification to oil rigs. <u>2/</u> 215
Tampa Bay Shipbuilding & Repair Company 1130 McClosky Boulevard Tampa, FL 33605 Web Address: www.tampabayship.com	166 X 25 GD (2) 227 X 34 GD 273 X 46 GD	<u>311</u> 622	<u>1/</u> Full service conversion and repair facility. <u>2/</u> 405

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

GULF COAST

Other Shipyards with Building Positions

United Marine Enterprise, Inc., Port Arthur Shipyard P.O. Box 22077 Beaumont, TX 77720	122 X 61 LL	<u>488</u> 488	<u>1/</u> Construction and repair of ships and offshore vessels. <u>2/</u> 86
Web Address: www.unitedmarineshipyard.com			

VT - Halter Moss Point 5801 Elder Ferry Road Moss Point, MS 39562	110 X 23 LL 140 X 30 LL	<u>140</u> 288	<u>1/</u> Construction of ships up to 146 meters in length. <u>2/</u> 299
Web Address: www.haltermarine.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

GULF COAST

Repair Yards with Drydock Facilities

Atlantic Marine - Mobile P.O. Box 3202 Mobile, AL 36652	213 X 26 FD 305 X 49 FD	<u>345</u> 962	<u>1/</u> Ship repair and conversion. <u>2/</u> 259
Web Address: www.atlanticmarine.com			

Bollinger Gulf Repair, LLC 3900 Jourdan Road New Orleans, LA 70126	152 X 23 SW 91 X 15 SW 133 X 18 FD 134 X 26 FD 229 X 32 FD	<u>549</u> 549	<u>1/</u> Construction and repair of offshore oil vessels and barges. <u>2/</u> 285
Web Address: www.bollingershipyards.com			

Bollinger Houston, L.P. 201 Broadway Street Houston, TX 77012	213 X 27 SW 122 X 24 FD * 37 X 12 FD 67 X 24 FD	<u>152</u> 335	<u>1/</u> General ship repair. <u>2/</u> 60
Web Address: www.bollingershipyards.com			
* Two drydocks are combined.			

Gulf Marine Repair Corporation 1200 Sertoma Drive Tampa, FL 33605	168 X 24 FD 61 X 15 FD	<u>366</u> 747	<u>1/</u> Ship repair and overhaul. <u>2/</u> 138
Web Address: www.gulfmarinerepair.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Repair Yards with Drydock Facilities

International Ship Repair & Marine Services, Inc. 1616 Penny Street Tampa, FL 33605-6058			<u>1/</u> General ship repair.
	145 X 29 FD	<u>549</u>	
	198 X 29 FD	1,158	<u>2/</u> 167
	229 X 29 FD		
	76 X 13 FD		
	76 X 29 FD		
	76 X 32 FD		

Web Address: www.internationalship.com

Signal International Texas, LP - D.O.C. Yard 2500 Martin Luther King Boulevard Port Arthur, TX 77640			<u>1/</u> Repair of offshore oil rigs.
	126 X 111 FD	<u>34</u>	
		34	<u>2/</u> 140

Web Address: www.signalint.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Topside Repair Yards

Boland Marine & Mfg. Company, Inc. P.O. Box 53287 New Orleans, LA 70153		<u>305</u> 305	<u>1/</u> General ship repair and conversion.
Web Address: www.bolandmarine.com			<u>2/</u> 77

Bollinger Algiers, LLC 434 Powder Street New Orleans, LA 70114	107 X 20 FD 91 X 20 FD	<u>122</u> 122	<u>1/</u> Repairs towboats, barges, and vessels to 76 meters.
Web Address: www.bollingershipyards.com			<u>2/</u> 41

Bollinger Calcasieu, LLC 8086 Global Drive Sulphur, LA 70665	26 X 9 SW 76 X 23 SW (2) 91 X 15 FD 91 X 16 FD 63 X 23 MR	<u>137</u> 408	<u>1/</u> Repair and drydocking of small vessels.
Web Address: www.bollingershipyards.com			<u>2/</u> 74

Bollinger Lockport, LLC 8365 Hwy. 308 South Lockport, LA 70374	(2) 114 X 30 SW 20 X 5 MR 20 X 7 MR 27 X 9 MR 37 X 10 MR 49 X 12 MR	<u>488</u> 488	<u>1/</u> General ship repair.
Web Address: www.bollingershipyards.com			<u>2/</u> 801

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

GULF COAST

Topside Repair Yards

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 <u>168</u>	<u>1/</u> General ship repair. <u>2/</u> 205
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Web Address: www.purgit.com/bludbond_sy.htm

Buck Kreihs Company, Inc. P.O. Box 53305 New Orleans, LA 70153		1,128 <u>1,128</u>	<u>1/</u> Ship repair. <u>2/</u> 112
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Web Address: www.buckkreihs.com

CBH Services, Inc. 200 Pier Pond Orange, TX 77630		229 <u>229</u>	<u>1/</u> General ship repair. <u>2/</u> 45
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Web Address: - NOT AVAILABLE -

Dixie Machine Welding & Metal Works, Inc. 1031 Annunciation Street New Orleans, LA 70130		274 <u>274</u>	<u>1/</u> General ship repair. <u>2/</u> 36
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Web Address: www.dixiemachine.com

Gulf Copper & Manufacturing Corporation P.O. Box 547 Port Arthur, TX 77640	76 X 18 SW	262 <u>524</u>	<u>1/</u> General ship repair. <u>2/</u> 373
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Web Address: www.gulfcopper.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

GULF COAST

Topside Repair Yards

Hendry Corporation 5107 S. Westshore Boulevard Tampa, FL 33611 Web Address: www.hendrycorp.com	72 X 12 FD	<u>305</u> 305	<u>1/</u> General ship repair. <u>2/</u> 55
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Houston Ship Repair, Inc., Brady Island Ship Repair Facility 8510 Cypress Street Houston, TX 77012 Web Address: www.houstonshiprepair.com		<u>224</u> 224	<u>1/</u> General ship repair and conversion. <u>2/</u> 75
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Newpark Shipbuilding & Repair, Inc., Brady Island Inc. 8502 Cypress Street Houston, TX 77012 Web Address: www.fwav.com	46 X 22 FD 55 X 22 FD 61 X 15 MR 91 X 21 MR	<u>305</u> 671	<u>1/</u> Inland barge and boat construction & repair, including offshore vessel repair. <u>2/</u> 200
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Newpark Shipbuilding & Repair, Inc., Pasadena 1600 North Witter Pasadena, TX 77506 Web Address: www.fwav.com	36 X 15 FD 49 X 20 FD 61 X 22 FD 68 X 20 FD	<u>305</u> 777	<u>1/</u> Repair of barges, boats and offshore supply vessels. <u>2/</u> 102
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MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Topside Repair Yards

Newpark Shipbuilding & Repair, Inc., Pelican Island Inc.
 2920 Newpark Road
 Galveston, TX 77554

116 X 32 FD	<u>343</u>	<u>1/</u> Repair of offshore rigs, barges, boats and offshore supply vessels.
73 X 35 FD	998	<u>2/</u> 195

Web Address: www.fwav.com

Orange Shipbuilding Company, Inc.
 710 Market Street
 Orange, TX 77631-1670

91 X 23 SW	<u>183</u>	<u>1/</u> General ship repair and small vessel construction.
	259	<u>2/</u> 60

Web Address: - NOT AVAILABLE -

Sabine Shipyard, Inc.
 Box 405
 Sabine Pass, TX 77655

	<u>244</u>	<u>1/</u> Repairs offshore oil rigs.
	396	<u>2/</u> 44

Web Address: - NOT AVAILABLE -

Signal International Texas, LP - Orange Yard
 91 West Front Street
 Orange, TX 77630

	<u>251</u>	<u>1/</u> Repair of offshore oil rigs.
	808	<u>2/</u> 121

Web Address: www.signalint.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

WEST COAST

Active Shipbuilding Yards

National Steel and Shipbuilding Company 2798 Harbor Drive San Diego, CA 92113	(2) 290 X 34 SW 303 X 51 GD 290 X 41 FD	<u>305</u> 2,106	<u>1/</u> Construction, repair, and conversion. <u>2/</u> 3,637
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Web Address: www.nassco.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

WEST COAST

Other Shipyards with Building Positions

Gunderson, Inc. 4350 Northwest Front Avenue Portland, OR 97210 Web Address: www.gundersoninc.com	223 X 32 SW	<u>335</u> 335	<u>1/</u> Construction, repair, and conversion. <u>2/</u> 103
Todd Pacific Shipyards Corporation 1801 16th Avenue, S.W. Seattle, WA 98134 Web Address: www.toddpacific.com	(2) 137 X 18 SW * 198 X 26 FD 287 X 41 FD	<u>427</u> 1,834	<u>1/</u> Repair and conversion with major shipbuilding capability. <u>2/</u> 1,195 * Max. ship size is 137 X 29 meters using two 137 X 18 meter SWs.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

WEST COAST

Repair Yards with Drydock Facilities

Cascade General, Inc. 5555 North Channel Avenue, Building Portland, OR 97217	182 X 26 FD 247 X 34 FD	<u>427</u> 4,002	1/ General ship repair. 2/ 483
Web Address: www.casgen.com			

Lake Union Drydock Company 1515 Fairview Avenue, East Seattle, WA 98102-3791	128 X 18 FD 61 X 14 FD	<u>381</u> 750	1/ General ship repair and conversion. 2/ 100
Web Address: www.ludd.com			

MAR COM, Inc. 8970 N. Bradford Street Portland, OR 97203	91 X 15 SW 91 X 23 SW 126 X 18 FD	<u>122</u> 174	1/ General ship repair and new construction. 2/ 54
Web Address: www.marcomship.com			

Puglia Engineering, Inc. dba Fairhaven Shipyard 201 Harris Street Bellingham, WA 98225-7018	122 X 17 FD 37 X 11 MR	<u>213</u> 351	1/ Ship and vessel repair. 2/ 139
Web Address: - NOT AVAILABLE -			

San Francisco Drydock, Inc. Foot of 20th Street San Francisco, CA 94120	186 X 26 FD 290 X 44 FD	<u>250</u> 809	1/ Ship repair and overhaul. 2/ 302
Web Address: www.sfdrydock.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

WEST COAST

Repair Yards with Drydock Facilities

Southwest Marine, Inc., San Diego Division Foot of Sampson Street San Diego, CA 92170-3308	127 X 19 FD 200 X 31 FD	<u>213</u> 604	<u>1/</u> Ship repair, overhaul, and conversion. <u>2/</u> 1,082
Web Address: www.usmarinerepair.com/swmsd.htm			Graving dock at Naval Station can be leased as required.

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	<u>1/</u> Ship repair, overhaul, and conversion. <u>2/</u> 85
Web Address: www.usmarinerepair.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
	SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear	

Lengths are in Meters

WEST COAST

Topside Repair Yards

Bay Ship & Yacht Company, Alameda 2900 Main Street Alameda, CA 94501	119 X 17 FD 49 X 9 FD	<u>213</u> 503	<u>1/</u> General ship repair. <u>2/</u> 177
Web Address: www.bay-ship.com			
Bay Ship & Yacht Company, Richmond 2900 Main Street Alameda, CA 94501	27 X 7 TR	<u>488</u> 892	<u>1/</u> General ship repair. <u>2/</u> 25
Web Address: www.bay-ship.com			
Continental Maritime of San Diego, Inc. 1995 Bay Front Street San Diego, CA 92113-2122		<u>213</u> 838	<u>1/</u> General ship repair. <u>2/</u> 461
Web Address: www.continentalmaritime.com			
Graving and floating docks at Naval Station can be leased as required.			
Dakota Creek Industries, Inc. P.O. Box 218 Anacortes, WA 98221	107 X 22 LL 107 X 24 FD 107 X 22 SL	<u>305</u> 477	<u>1/</u> General ship repair, steel and aluminum vessel construction to 106 meters. <u>2/</u> 220
Web Address: www.dakotacreek.com			
Everett Shipyard, Inc. 1016 14th Street Everett, WA 98201	40 X 11 MR	<u>335</u> 640	<u>1/</u> Topside repair work and small boat construction. <u>2/</u> 73
Web Address: www.everettship.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

WEST COAST

Topside Repair Yards

Foss Shipyard dba Foss Maritime Company			<u>1/</u> Vessel repair, alteration, and overhaul.
660 West Ewing Street		146	
Seattle, WA 98119	59 X 13 FD	<u>715</u>	
	67 X 18 FD		<u>2/</u> 111

Web Address: www.foss.com

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

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 605 North Third Avenue Sturgeon Bay, WI 54235-0830	223 X 32 SW 305 X 32 GD 55 X 12 GD 195 X 21 FD	<u>305</u> 2,163	<u>1/</u> Ship construction, repair, and conversion. <u>2/</u> 223
Web Address: www.manitowocmarine.com			
Fraser Shipyards, Inc. Third Street & Clough Avenue Superior, WI 54880	189 X 18 GD 252 X 25 GD	<u>274</u> 527	<u>1/</u> Construction, repair, and conversion. <u>2/</u> 48
Web Address: www.fraser-shipyards.com			
Marinette Marine Corporation 1600 Ely Street Marinette, WI 54143-2434	(2) 122 X 24 LL 46 X 15 LL (3) 76 X 15 LL 76 X 20 LL 37 X 9 SL	<u>651</u> 651	<u>1/</u> Construction and repair of medium to small vessels. <u>2/</u> 833
Web Address: www.marinette-marine.com			
Metro Machine Corporation - Industrial Products Division Foot of Holland Street Erie, PA 16507	305 X 32 GD	<u>366</u> 860	<u>1/</u> Construction, repair, and conversion. <u>2/</u> 19
Web Address: www.memach.com			

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

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		<u>226</u> 451	<u>1/</u> General ship repair.
Web Address: - NOT AVAILABLE -			<u>2/</u> 60
Nicholson Terminal & Dock Company P.O. Box 18066 River Rouge, MI 48218	69 X 16 FD	<u>701</u> 1,097	<u>1/</u> General ship repair.
Web Address: www.nicholson-terminal.com			<u>2/</u> 65

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2003
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

NON-CONUS

Repair Yards with Drydock Facilities

Alaska Ship & Drydock, Inc. 3801 Tongass Avenue Ketchikan, AK 99901	137 X 32 FD	<u>305</u> 305	<u>1/</u> Ship and vessel repair.
Web Address: - NOT AVAILABLE -			<u>2/</u> 89

Honolulu Shipyard, Inc. P.O. Box 30989 Honolulu, HI 96820	305 X 55 GD 122 X 32 FD 55 X 24 FD	<u>213</u> 213	<u>1/</u> General ship repair and overhaul.
Web Address: www.pacificshipyards.com			<u>2/</u> 385

Marisco, Ltd. 91-607 Malakole Road Kapolei, HI 96707	116 X 16 FD 190 X 28 FD	<u>34</u> 34	<u>1/</u> General ship repair.
Web Address: www.marisco.net			<u>2/</u> 130

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).

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Boatbuilding and Repair Companies

EAST COAST

Chesapeake Shipbuilding Corporation 710 Fitzwater Street Salisbury, MD 21801	Construction of small excursion and passenger vessels.
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Web Address: - NOT AVAILABLE -

Gladding-Hearn Shipbuilding One Riverside Avenue Somerset, MA 02726-0300	61 X 15 SW	<u>38</u> 38	Construction of small vessels including catamaran ferries.
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Web Address: www.gladding-hearn.com

Yank Marine Mosquito Landing Road Tuckahoe, NJ 08250	Builds and repairs small vessels.
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Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Allied Shipyard, Inc. Construction, repair, and conversion of small vessels.
P.O. Box 1240

La Rose, LA 70373

(2)	22 X 8	SW		55
	57 X 14	FD		258
	64 X 14	FD		
	64 X 18	FD		
(2)	52 X 12	MR		

Web Address: - NOT AVAILABLE -

Bollinger Gretna, LLC

Construction of small vessels.

4640 Peters Road

Harvey, LA 70058

	152 X 29	GD		396
	98 X 17	GD		743
	99 X 16	GD		
	67 X 17	FD		

Web Address: www.bollingershipyards.com

Bollinger Larose, LLC

Repair of small marine vessels.

1515 Hwy. 24

Larose, LA 70373

	107 X 15	FD		229
	122 X 21	FD		527
(2)	76 X 12	FD		
	101 X 24	MR		

Web Address: www.bollingershipyards.com

Bollinger Marine Fabricators, LLC

Construction and repair of small vessels.

816 Bollinger Lane

Amelia, LA 70340

	91 X 46	SW		152
				777

Web Address: www.bollingershipyards.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Bollinger Morgan City, LLC 806 Bollinger Lane Amelia, LA 70340	122 X 30 FD 55 X 18 FD 61 X 16 FD 64 X 21 FD	Repair of small boats.
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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	Repair of small boats.
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Web Address: www.bollingershipyards.com

Breaux Brothers P.O. Box 550 Loreauville, LA 70552-0550		Construction of small boats.
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Web Address: - NOT AVAILABLE -

Breaux's Bay Craft, Inc. P.O. Box 306 Loreauville, LA 70552		Construction of small boats.
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Web Address: - NOT AVAILABLE -

C & G Boat Works 8685 E. Davenport Street La Batre, AL 36509-2115		Boat building and repair.
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Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Conrad Shipyard, Inc. Construction of small vessels.
P.O. Box 790
Morgan City, LA 70381

	46 X 15 SW	610
(2)	73 X 22 SW	774
(2)	46 X 12 FD	
(2)	76 X 17 FD	
	85 X 49 FD	
	91 X 24 FD	

Web Address: www.conradindustries.com

Crumpler's Shipbuilding Company, Inc. Boat building and refurbishing.
P.O. Box 2067
Orange, TX 77631

	46 X 14 FD	70
		70

Web Address: - NOT AVAILABLE -

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 -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Glendale Boat Works, Inc. 18300 Market Street Channelview, TX 77530	27 X 15 GD	Towboat construction and repair.
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Web Address: - NOT AVAILABLE -

Horizon Shipbuilding, Inc. 13980 Shell Road Bayou La Batre, AL 36509	61 X 16 SW 47 X 9 MR	Construction and repair of marine vessels. <table style="margin-left: auto; margin-right: 0;"> <tr><td style="text-align: right;">213</td></tr> <tr><td style="text-align: right; border-top: 1px solid black;">213</td></tr> </table>	213	213
213				
213				

Web Address: www.horizonshipbuilding.com

Houma Fabricators - Shipyard De Hoop of Houma, Inc. 1100 Oak Street Houma, LA 70363	91 X 23 SW	Construction of small vessels. <table style="margin-left: auto; margin-right: 0;"> <tr><td style="text-align: right;">107</td></tr> <tr><td style="text-align: right; border-top: 1px solid black;">107</td></tr> </table>	107	107
107				
107				

Web Address: - NOT AVAILABLE -

Intracoastal City Drydock & Shipbuilding, Inc. 18938 Live Oak Road Abbeville, LA 70510		Repairs small boats.
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Web Address: - NOT AVAILABLE -

Kennedy Ship and Repair 6200 Harborside Drive Galveston, TX 77554-2841	91 X 16 GD	Construction, repair, refit and conversion of all vessels to 91 meters.
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Web Address: www.kennedyship.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Kody Marine, Inc. 600 Peters Road Harvey, LA 70058-1705	29 X 16 GD	Builds small boats.
Web Address: - NOT AVAILABLE -		

LEEVAC Industries, LLC P.O. Box 1190 Jennings, LA 70546	(2) 128 X 27 SW 147 X 23 GD 91 X 18 FD	<table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-top: 1px solid black;">305</td></tr> <tr><td>488</td></tr> </table>	305	488	Construction, repair, and conversion of small boats.
305					
488					
Web Address: - NOT AVAILABLE -					

Mississippi Marine Corporation 2219 Harbor Front Road 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 99 X 20 FD	Construction and repair of inland and offshore marine vessels.
Web Address: - NOT AVAILABLE -		

North American Shipbuilding Company P.O. Drawer 580 Larose, LA 70373	Construction of small vessels.
Web Address: www.chouest.com	

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Northrop Grumman Ship Systems, Gulfport Operations 13303 Industrial Seaway Road Gulfport, MS 39503 Web Address: www.northropgrumanshipsystems.com	$\frac{76}{76}$	Construction of small vessels, steel and composite material.
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Patti Shipyard, Inc. P.O. Box 271 Pensacola, FL 32507-1374 Web Address: - NOT AVAILABLE -	107 X 17 SW	Construction of vessels to 107 meters.
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Quality Shipyards, LLC P.O. Box 1817 Houma, LA 70361-1817 Web Address: - NOT AVAILABLE -	168 X 30 SW (2) 58 X 20 FD 70 X 17 FD 76 X 24 FD	$\frac{374}{695}$	Construction, repair, and conversion of boats and barges.
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R & R Marine Maintenance P.O. Box 1660 Groves, TX 77619 Web Address: - NOT AVAILABLE -	61 X 26 FD	Small vessel repair and construction.
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Rodriguez Boat Builders, Inc. P.O. Box 842 Bayou La Batre, AL 36509 Web Address: www.boatbuilderonline.com	27 X 3 SW	$\frac{6}{6}$	Construction of small vessels.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Sneed Shipbuilding, Inc., Channelview
17112 Market Street
Channelview, TX 77530

Construction and repair of
small vessels.

31 X 17 FD

Web Address: - NOT AVAILABLE -

Sneed Shipbuilding, Inc., Orange
2011 Dupont Drive
Orange, TX 77630-7315

Construction and repair of
small vessels.

37 X 17 FD

46
137

Web Address: - NOT AVAILABLE -

Sun State Marine Services, Inc.
P.O. Box 1167, Reynolds Industrial Park
Greencove, FL 32043

Construction and repair of
vessels to 91 meters.

Web Address: - NOT AVAILABLE -

Textron Marine and Land Systems, Division of Textron, Inc.
19401 Chef Menteur Highway
New Orleans, LA 70129

Builds small boats and ACV'S.

(3) 69 X 15 LL

262
498

Web Address: www.textron.com

VT - Halter Moss Point Marine
7801 Trinity Drive
Escatawapa, MS 39552

Construction and repair of
small vessels.

162 X 25 SW

328
69 X 25 SW
328
91 X 25 SW

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Boatbuilding and Repair Companies

INLAND

Marine Builders, Inc. Construction of small vessels.
 208 Church Street
 Utica, IN 47130 46 X 9 SW

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

National Maintenance & Repair, Inc. Builds and repair small vessels.
 Foot of Hawthorne Street
 Hartford, IL 62048-0038 18 X 16 FD
 49 X 16 FD
 61 X 16 FD
 61 X 17 FD

Web Address: www.nmrinc.com

SeaArk Marine, Inc. Builds aluminum boats in the
5-20 meter range.
 P.O. Box 210
 Monticello, AR 71655

Web Address: www.seaark.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

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	168 <hr style="width: 50px; margin: 0 auto;"/> 251	Conversion and repair of small vessels.
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Web Address: www.sewardships.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Boatbuilding and Repair Companies

WEST COAST

Al Larson Boat Shop 1046 South Seaside Avenue Terminal Island, CA 90731	34 X 8 SW 37 X 8 SW 40 X 10 SW 55 X 20 SW 76 X 12 FD	110 <hr style="width: 50%; margin: 0 auto;"/> 387	Construction and repair of small vessels.
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Web Address: www.larsonboat.com

MARCO Shipyard, Seattle 2300 W. Commodore Way Seattle, WA 98199	33 X 9 SW 61 X 13 SW 67 X 16 SW 37 X 11 FD 67 X 16 FD 33 X 9 SL	49 <hr style="width: 50%; margin: 0 auto;"/> 244	Construction and repair of vessels to 76 meters.
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Web Address: www.marcoseattle.com

Marine Industries Northwest, Inc. P.O. Box 1275 Tacoma, WA 98401-1275	119 X 17 FD 61 X 15 MR	110 <hr style="width: 50%; margin: 0 auto;"/> 171	Topside repair and conversion of small vessels.
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Web Address: - NOT AVAILABLE -

Nichols Brothers Boat Builders, Inc. P.O. Box 580 Freeland, WA 98249			Boat construction and repair.
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Web Address: www.nicholsboats.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

Boatbuilding and Repair Companies

WEST COAST

Northlake Shipyard, Inc. 1441 North Northlake Way Seattle, WA 98103	58 X 12 FD 85 X 12 FD	Repair of small vessels.
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Web Address: - NOT AVAILABLE -

Southern Oregon Marine, Inc. (SOMAR) 155 East Market Avenue Coos Bay, OR 97420	107 X 30 SW 61 X 13 FD	Construction and repair of small vessels.
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Web Address: - NOT AVAILABLE -

William E. Munson Company 17183 Bennett Road Mt. Vernon, WA 98273		Builds aluminum work boats to 15 meters.
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Web Address: www.munsonboats.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

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

91 X 23 FD

61 X 11 MR

107

555

Web Address: www.lyonshipyard.com

May Ship Repair Contracting Corporation General ship repair.
 3075 Richmond Terrace
 Staten Island, NY 10303

122 X FD

152 X FD

Web Address: www.mayship.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

EAST COAST

Ocean Marine Yacht Center 1 Crawford Court Portsmouth, VA 23704 Web Address: - NOT AVAILABLE -	76 X 12 SL	$\frac{91}{91}$	Repair of small navy boats and yachts.
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Thames Shipyards & Repair Company, Inc. Two Ferry Street New London, CT 06320 Web Address: - NOT AVAILABLE -	107 X 30 FD 49 X 17 FD	$\frac{122}{198}$	General ship repair.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

GREAT LAKES

Vinette Company
 1212 19th Avenue North
 Escanaba, MI 49829

18 X 5 TR
 24 X 7 TR

Repair of small vessels to
 36 meters.

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Vessel Repair Companies

GULF COAST

A & B Industries P.O. Box 1137 Amelia, LA 70340		Small vessel construction and repair.
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30 X 9	SW	70
(2) 56 X 18	SW	177
30 X 17	FD	
43 X 17	FD	

Web Address: www.ab-industries.com

Berwick Shipyard Corporation Box 168 Berwick, LA 70342		Drydocking and repair of commercial vessels up to 76 meters.
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Web Address: - NOT AVAILABLE -

Bollinger Amelia Repair, LLC 606 Ford Industrial Road Amelia, LA 70340		Repair with drydocking of small vessels.
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37 X 10	FD	91
61 X 21	FD	183

Web Address: www.bollingershipyards.com

Bollinger Fourchon, LLC 106 Norman Doucet Drive Golden Meadow, LA 70357		General ship repair.
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91
91

Web Address: www.bollingershipyards.com

Border Shipyards, Inc. HC 70 Box 5 Brownsville, TX 78521		Repairs shrimp boats.
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Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> 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		Repairs tugs, barges and offshore vessels.
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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	<u>244</u> 244	Repair of small vessels.
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Web Address: www.hudsondrydocks.com

Kiva Construction & Engineering, Inc. P.O. Drawer 40 Anahuac, TX 77514			Maintains their own fleet of tug boats.
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Web Address: - NOT AVAILABLE -

Kremer Marine, Inc. 1408 Cowan Road Gulfport, MS 39507			Repairs vessels up to 20 meters.
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Web Address: - NOT AVAILABLE -

LA Dock Company, Baton Rouge Shipyard 4780 North River Road Port Allen, LA 70767	53 X 11 FD 59 X 11 FD		Repair of small vessels.
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Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Lengths are in Meters

Vessel Repair Companies

GULF COAST

Ocean Technical Services, Inc. 1140 Peters Road Harvey, LA 70058 Web Address: www.oceantech.com	179 <hr style="width: 50%; margin: 0 auto;"/> 179	Repair of small boats.
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R & R Marine Fabrication and Drydock 5700 Proctor Street Extension Port Arthur, TX 77642 Web Address: - NOT AVAILABLE -	76 X 24 FD	Topside marine repair.
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R & R Marine Fabrication and Drydock, North Yard 7200 Highway 87 East Port Arthur, TX 77642 Web Address: - NOT AVAILABLE -	457 <hr style="width: 50%; margin: 0 auto;"/> 457	Topside marine repair.
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Seacraft Shipyard Corporation P.O. Drawer 1550 Amelia, LA 70340-1550 Web Address: www.seacraftshipyard.com	46 X 9 TR 56 X 15 FD	Repair and conversion of small boats and ferries.
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Southwest Marine, Inc., Ingleside Division P.O. Box 999 Ingleside, TX 78362 Web Address: www.usmarinerepair.com	214 <hr style="width: 50%; margin: 0 auto;"/> 214	Repair of small vessels.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Lengths are in Meters

Vessel Repair Companies

GULF COAST

Tri-Kat Marine, Inc. 1408 Cowan Road Gulfport, MS 39507	Repairs small boats.
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Web Address: - NOT AVAILABLE -

Violet Dock Port, Inc. 6800 St. Bernard Highway Violet, LA 70092	Vessel lay-up.
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610

1,798

Web Address: - NOT AVAILABLE -

Williamson Boat Works 1008 Boat Works Roaf Riviera, TX 78379	Repair of small boats.
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Web Address: - NOT AVAILABLE -

Zimco Marine, Inc. 400 Washington Street Port Isabel, TX 78578	Repairs small boats.
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37 X 8 MR

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Lengths are in Meters

Vessel Repair Companies

INLAND

Great Lakes Towing Shipyard
1800 Terminal Tower
Cleveland, OH 44113

Repair of small vessels.

Web Address: - NOT AVAILABLE -

James Marine, Inc.
P.O. Box 2305
Paducah, KY 42002-2305

Repair of small vessels.

15 X 14 FD
21 X 19 FD
34 X 20 FD
49 X 20 FD
58 X 21 FD
(2) 61 X 18 FD
61 X 20 FD

Web Address: - NOT AVAILABLE -

Missouri Drydock & Repair Company
P.O. Box 700
Cape Girardeau, MO 63701

Repair of inland river boats.

(2) 76 X 16 FD

Web Address: - NOT AVAILABLE -

Walker Paducah Corporation
P.O. Box 1400
Paducah, KY 42002-1400

Repair and drydocking of
towboats and barges.

52 X 17 FD
61 X 16 FD
64 X 16 FD
70 X 19 FD
88 X 25 FD

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

NON-CONUS

Honolulu Marine, Inc. 123 Ahui Street Honolulu, HI 96813 Web Address: - NOT AVAILABLE -	37 X 10 MR	$\frac{61}{61}$	Repair and construction of small boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Lengths are in Meters

Vessel Repair Companies

WEST COAST

Astoria Marine Construction Company
92134 Front Road
Astoria, OR 97103

Repair of small vessels.

15 X 5 MR
24 X MR
61 X 10 MR
91 X 10 MR

Web Address: - NOT AVAILABLE -

Duwamish Shipyard, Inc.
5658 West Marginal Way, S.W.
Seattle, WA 98106

Ship repair, maintenance, and conversion.

121 X 29 GD 56
41 X 10 FD 193
61 X 13 FD

Web Address: - NOT AVAILABLE -

Pacific Fishermen, Inc.
5351 24th Avenue, N.W.
Seattle, WA 98107

General repair of commercial vessels.

37 X 7 MR 91
49 X 10 MR 91
44 X 11 SL

Web Address: www.pacificfishermen.com

Stone Boat Yard, Inc.
2517 Blanding Avenue
Alameda, CA 94501

Repair of small boats.

21 X 6 TR 274
50 X 11 MR 320

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

WEST COAST

Ventura Harbor Boatyard, Inc. 1415 Spinnaker Drive Ventura, CA 93001-4339	17 X 5 TR 40 X 9 TR	<u>55</u> 145	Boat maintenance and repair.
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Web Address: www.vhby.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

Blount Boats, Inc. 461 Water Street Warren, RI 02885 Web Address: www.blountbarker.com	69 X 15 SW	$\frac{67}{165}$	Designs and builds small vessels to 69 meters.
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Boston Whaler, Inc. 4121 South U.S. Highway One Edgewater, FL 32141-7221 Web Address: www.whaler.com		Builds fiberglass boats up to 10 meters in length and fishing vessels 4 meters - 9 meters.
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Derecktor Shipyards Connecticut 837 Seaview Avenue Bridgeport, CT 06607-1607 Web Address: www.derecktor.com	76 X 19 TR 73 X FD	Builds & services aluminum boats to 700 GT.
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Derecktor Shipyards New York 311 East Boston Post Road Mamaroneck, NY 10543 Web Address: www.derecktor.com	40 X 9 LL 61 X 15 LL	New construction and repair of vessels up to 46 meters.
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Ellicott International 1611 Bush Street Baltimore, MD 21230 Web Address: www.dredge.com	Builds small dredges.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

H & H Marine, Inc. Builds fiberglass lobster boats.
 U.S. Route 1
 Steuben, ME 04680

Web Address: - NOT AVAILABLE -

Muller Boat Works, Inc. Small boat construction.
 2214 E. 69th Street
 Brooklyn, NY 11234

Web Address: - NOT AVAILABLE -

PJ Sports Yachts Construction and repair.
 301 N. Lathrop Avenue
 Savannah, GA 31415

55 X 12 LL	244
152 X 17 GD *	457
56 X 12 MR	

Web Address: www.intermarineus.com

Stevens Marine Services, Inc. Repair of small vessels and
barge construction.
 4170 Hwy 165
 Yorges Island, SC 29448

37 X 10 MR	107
55 X 14 MR	168
76 X 24 MR	

Web Address: www.stevens-towing.com/shipyard.html

Thomas Marine, Inc. Builds aluminum work boats to
15 meters.
 37 Bransford Street
 Patchogue, NY 11772

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

Washburn & Doughty Assoc., Inc.
 P.O. Box 226
 East Boothbay, ME 04544

29 X 10 SW
 61 X 12 SW

Builders of aluminum and steel vessels to 61 meters.

Web Address: www.washburndoughty.com

Winninghoff Boats, Inc.
 Warehouse Lane
 Rowley, MA 01969

Builds small aluminum boats.

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GREAT LAKES

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

Builds small boats.

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Aker Gulf Marine FM1069 South Aransas, TX 78335	Fabricator of offshore oil/gas rigs.
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Web Address: - NOT AVAILABLE -

Boconco Shipyard 14530 Shell Belt Road Bayou La Batre, AL 36509	Builds small utility boats.
-----------------------------------------------------------------------	-----------------------------

Web Address: - NOT AVAILABLE -

Farmer's Marine Copper Works, Inc. P.O. Box 748 Galveston, TX 77553	Fabrication for oil rigs.
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Web Address: - NOT AVAILABLE -

Gulf County Shipbuilding 511 Old Dynamite Dock Road Port St. Joe, FL 32456-6365	Small boat construction.
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Web Address: www.gcship.com

Gulf Craft, Inc. 3904 Highway 182 Patterson, LA 70392	Builds small boats.
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Web Address: www.gulfcraftinc.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Harrison Bros. Dry Dock, Inc. P.O. Box 1843 Mobile, AL 36633-1843	40 X 11 FD 50 X 24 FD	<u>168</u> 395	Builder of small boats and general vessel repair.
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Web Address: www.harrisonbrothers.com

Hope Services, Inc. P.O. Box 9157 Houma, LA 70361		<u>1,067</u> 1,067	Builds OSV's, tugs and boats to 46 meters.
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Web Address: - NOT AVAILABLE -

Inland Boat Works 2842 E. Roundbunch Road Orange, TX 77630			Construction of small boats and barges.
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Web Address: - NOT AVAILABLE -

Island Boats, Inc. 5109 East Old Spanish Trail Jeanerette, LA 70544	30 X 11 MR		Builds aluminum boats to 30 meters.
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Web Address: www.islandboats.com

John Bludworth Shipyard, LLC P.O. Box 2441 Corpus Christi, TX 78403	107 X 25 FD	<u>35</u> 101	Repair and construction of boats and barges.
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Web Address: www.jbludshipyard.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

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	Builds small boats.
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Kiewit Offshore Services 2440 Kiewit Road Ingleside, TX 78362 Web Address: - NOT AVAILABLE -	Fabrication of offshore structures.
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LeTourneau P.O. Box 2307 Longview, TX 75606 Web Address: www.letourneau-inc.com	Offshore oil rig construction.	(2) 119 X 91 SW (2) 134 X 107 LL 76 X 76 LL
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Main Iron Works, Inc. P.O. Box 1918 Houma, LA 70361 Web Address: - NOT AVAILABLE -	Builds small boats.	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">24 X 12 FD</td> <td style="border-bottom: 1px solid black;">152</td> </tr> <tr> <td>43 X 16 FD</td> <td>335</td> </tr> <tr> <td>46 X 15 FD</td> <td></td> </tr> <tr> <td>49 X 21 FD</td> <td></td> </tr> <tr> <td>61 X 27 FD</td> <td></td> </tr> </table>	24 X 12 FD	152	43 X 16 FD	335	46 X 15 FD		49 X 21 FD		61 X 27 FD	
24 X 12 FD	152											
43 X 16 FD	335											
46 X 15 FD												
49 X 21 FD												
61 X 27 FD												

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Mariner Shipyard Services P.O. Box 84579 Baton Rouge, LA 70884	Construction and repair of small vessels.
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Web Address: - NOT AVAILABLE -

Master Boat Builders, Inc. P.O. Box 702 Bayou La Batre, AL 36509	Builds small boats. 41 X 9 LL 46 X 11 LL 82 X 18 LL
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Web Address: - NOT AVAILABLE -

Master Marine, Inc. P.O. Box 665 Bayou La Batre, AL 36509	Boat building and repair. 29 X 7 SW 40 X 9 SW 50 X 12 SW 34 X 8 FD 56 X 13 FD
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122
402

Web Address: - NOT AVAILABLE -

Midship Marine 1901 Destrehan Avenue Harvey, LA 70058-1101	Builds aluminum boats to 49 meters.
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Web Address: - NOT AVAILABLE -

Neuville Boat Works, Inc. 6402 Daspit Road New Iberia, LA 70560	Builds aluminum boats 12-43 meters.
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Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Premier Industries
3450 Peters Road
Harvey, LA 70058

Fabrication and drill rig conversions.

Web Address: - NOT AVAILABLE -

Progressive Industrial
1412 18th Avenue Drive, East
Palmetto, FL 34221-6500

Builds tugs and OSVs.

Web Address: - NOT AVAILABLE -

Queen Craft Shipyard
3615 Calhoun Avenue
Panama City, FL 32405

Builds small boats.

Web Address: - NOT AVAILABLE -

Royal Crown Yachts
5353 W. Tyson Avenue
Tampa Bay, FL 33611-3225

Builds small ferries and yachts.

Web Address: - NOT AVAILABLE -

Sea-Fab, Inc.
4111 Cedar Street
Pascagoula, MS 39567

Small boat construction.

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

SEMCO
P.O. Box 460
LaFitte, LA 70067-5314

Builds tugs and OSV's.

Web Address: - NOT AVAILABLE -

Signal International, LLC - West Yard
3400 Litton Road
Pascagoula, MS 39568

Repair of offshore oil rigs.

Web Address: www.signalint.com

St. Augustine Marine
404 South Riberia Street, Suite A
St. Augustine, FL 32084

Builds small boats.

Web Address: - NOT AVAILABLE -

Swiftships Shipbuilders, LLC
1105 Levee Road, P.O. Box 2869
Morgan City, LA 70381

Builds small vessels.

549

584

Web Address: www.swiftships.com

Thoma-Sea Boat Builders, Inc.
P.O. Box 53
Bourg, LA 70343

Builds OSV's and tug boats.

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

United States Marine, Inc. 19807 Chef Meneur Highway New Orleans, LA 70129	14 X 4 MR	Builds small aluminum and composite boats up to 25 meters.
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Web Address: www.usmi.com

Verret Shipyards 29120 Highway 75 Plaquemine, LA 70764-6101	91 X 9 LL	Builds small boats.
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Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Fabricators/Manufacturers of Maritime Vessels

INLAND

Bentz Boats, LLC
 613 Bryden #C
 Lewiston, ID 83501

Builds commercial aluminum
 jet boats for shallow water use.

Web Address: www.bentzboats.com

Mark Steel
 1230 West 200 South
 Salt Lake City, UT 84104

Builds small ferries.

152 X FD

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

NON-CONUS

Allen Marine, Inc. 1512 Sawmill Creek Road Sitka, AK 99835-9703	20 X 7 TR 30 X 9 TR	<u>366</u> 524	Construction of small boats and ferries.
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Web Address: www.allenmarineboats.com

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

WEST COAST

All American Marine, Inc.
 201 Harris Avenue
 Bellingham, WA 98225-7018

Builds aluminum boats.

Web Address: www.allamericanmarine.com

Aluminum Marine Construction, Inc. (ALMAR)
 2301 East Dock Street
 Tacoma, WA 98402

Builds aluminum boats up to 11 meters.

Web Address: www.almarboats.com

Anderson's Boat Yard, Inc.
 P.O. Box 326
 Sausalito, CA 94966

Web Address: - NOT AVAILABLE -

Kvichak Marine Industries, Inc.
 469 NW Bowdoin Place
 Seattle, WA 98107

Aluminum vessel construction and repair.

$$\frac{15}{15}$$

Web Address: www.kvichak.com

Modutech Marine, Inc.
 2218 Marine View Drive
 Tacoma, WA 98422

Builds small boats.

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

WEST COAST

Moose Boats
201 Willow Road
Nicasio, CA 94946

Builds catamaran boats up to 11 meters in length.

Web Address: www.mooseboats.com

Northwind Marine, Inc.
511 South Webster Street
Seattle, WA 98108-4138

Builds small vessels.

Web Address: - NOT AVAILABLE -

Oregon Iron Works, Inc. Marine Division
3515 SouthEast Columbia Way
Vancouver, WA 98661

Fabricated structural materials.

Web Address: www.oriron.com

Rozema Boat Works
11130 Bayview Edison Road
Mount Vernon, WA 98273-8216

Builds small aluminum boats.

Web Address: - NOT AVAILABLE -

SAFE Boats International
8800 Barney White Road
Port Orchard, WA 98367

Builds foam stabilized aluminum boats to 14 meters.

Web Address: - NOT AVAILABLE -

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

WEST COAST

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