U.S. Department
of Transportation
Maritime
Administration

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

2001

REPORT ON SURVEY OF U.S.

SHIPBUILDING AND REPAIR FACILITIES

2001

Prepared By:

Office of Shipbuilding and Marine Technology
December 2001

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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 2001 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 92 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 2001 Survey and other industry related sources of information established the following:

- The Active Shipbuilding Yards employed roughly 45 percent of the U.S. shipbuilding and repair industry's total workforce, as reported by the Bureau of Labor Statistics under SIC 3731. A brief description of the eight shipyards and general arrangement drawings of each yard's facilities (Exhibit 11 – 18) were provided by each of the companies and can be found starting on page 23.

- The 17 Shipyards with Build Positions employed roughly 12 percent of the U.S. shipbuilding and repair industry's total workforce.

- Combined, the 25 Active Shipbuilding yards and the Shipyards with Build Positions account for about 57 percent of the U.S. shipbuilding and repair industry's total workforce.

- A geographical map locating these shipyards can be found in Exhibits 19 and 20.

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

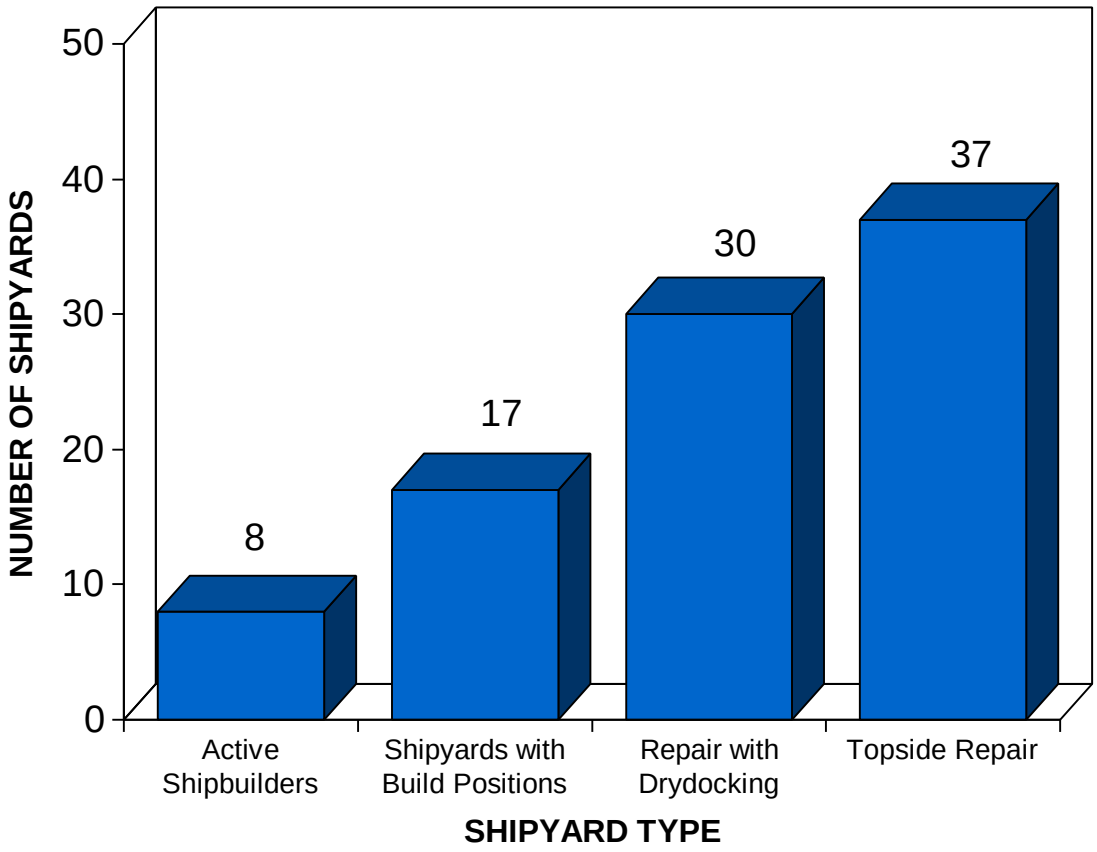
Topside repair facilities are those shipyards that have sufficient berth/pier space, including dolphins, to accommodate a naval ship or major oceangoing merchant vessel of 122 meters in length or over.

U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

NUMBER OF SHIPYARDS BY TYPE

ACTIVE SHIPBUILDERS	8
SHIPYARDS WITH BUILD POSITIONS	17
REPAIR WITH DRYDOCKING	30
TOPSIDE REPAIR	37
TOTAL	92

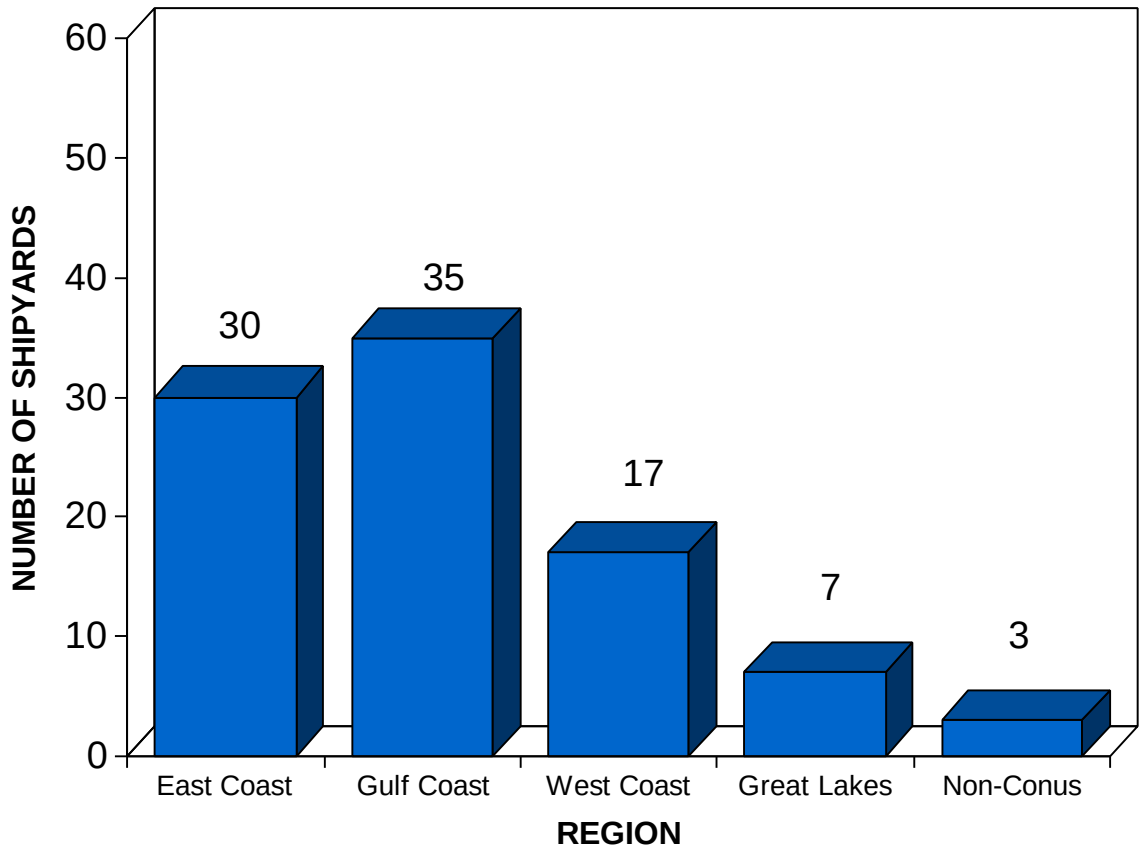


U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

NUMBER OF SHIPYARDS BY REGION

EAST COAST	30
GULF COAST	35
WEST COAST	17
GREAT LAKES	7
NON-CONUS	3
TOTAL	92

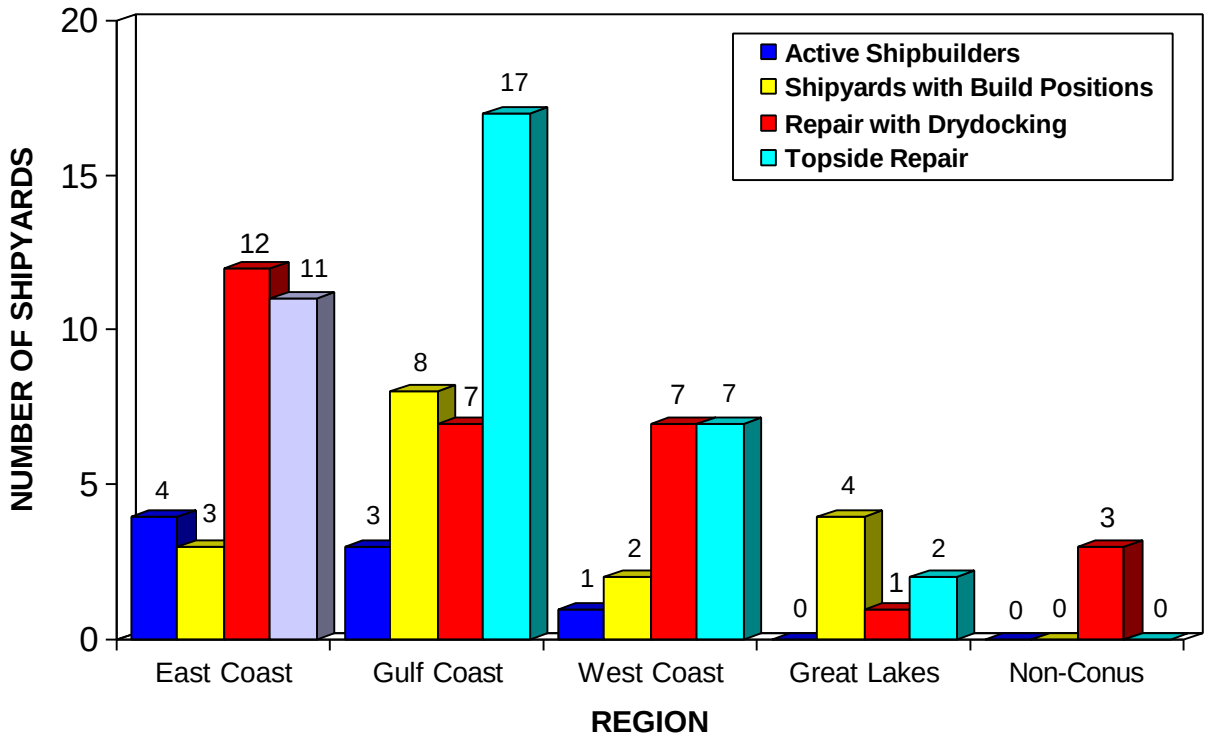


U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

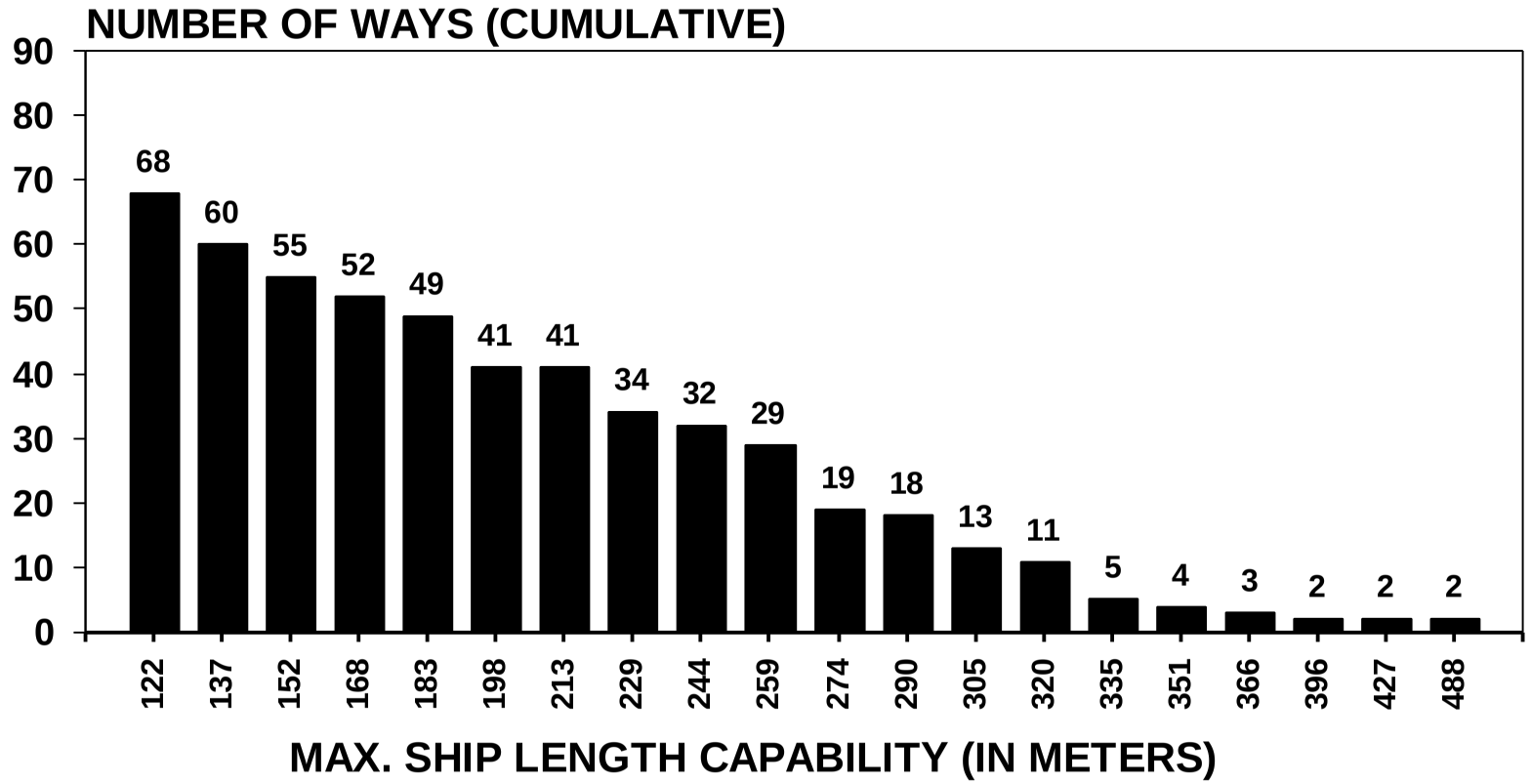
NUMBER OF SHIPYARDS BY TYPE AND REGION

	ACTIVE SHIPBUILDERS	SHIPYARDS WITH BUILD POSITIONS	REPAIR WITH DRYDOCKING	TOPSIDE REPAIR
EAST COAST	4	3	12	11
GULF COAST	3	8	7	17
WEST COAST	1	2	7	7
GREAT LAKES	0	4	1	2
NON-CONUS	0	0	3	0
TOTAL	8	17	30	37



MAJOR U.S. SHIPBUILDING FACILITIES*

NUMBER OF BUILDING POSITIONS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 1, 2001)



* Shipways, Graving Docks and Land Level Positions

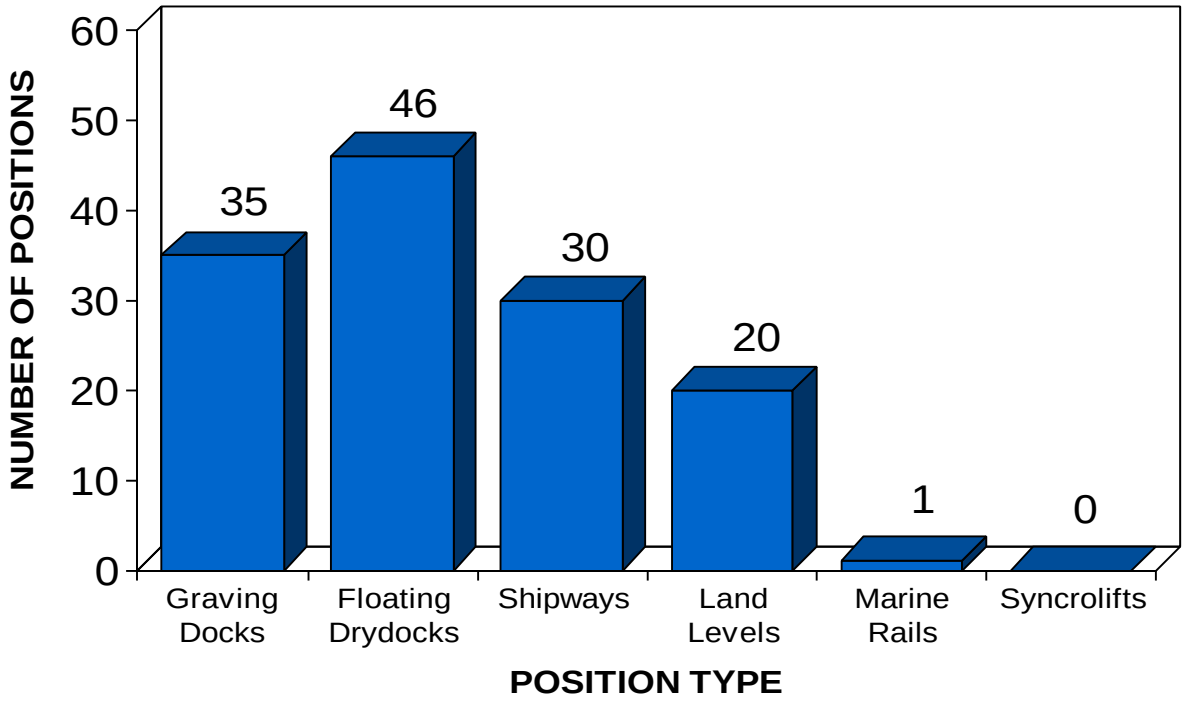
Exhibit 4

U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

NUMBER OF BUILD AND REPAIR POSITIONS

GRAVING DOCKS	35
FLOATING DRYDOCKS	46
SHIPWAYS	30
LAND LEVELS	20
MARINE RAILS	1
SYNCROLIFTS	0
TOTAL	132

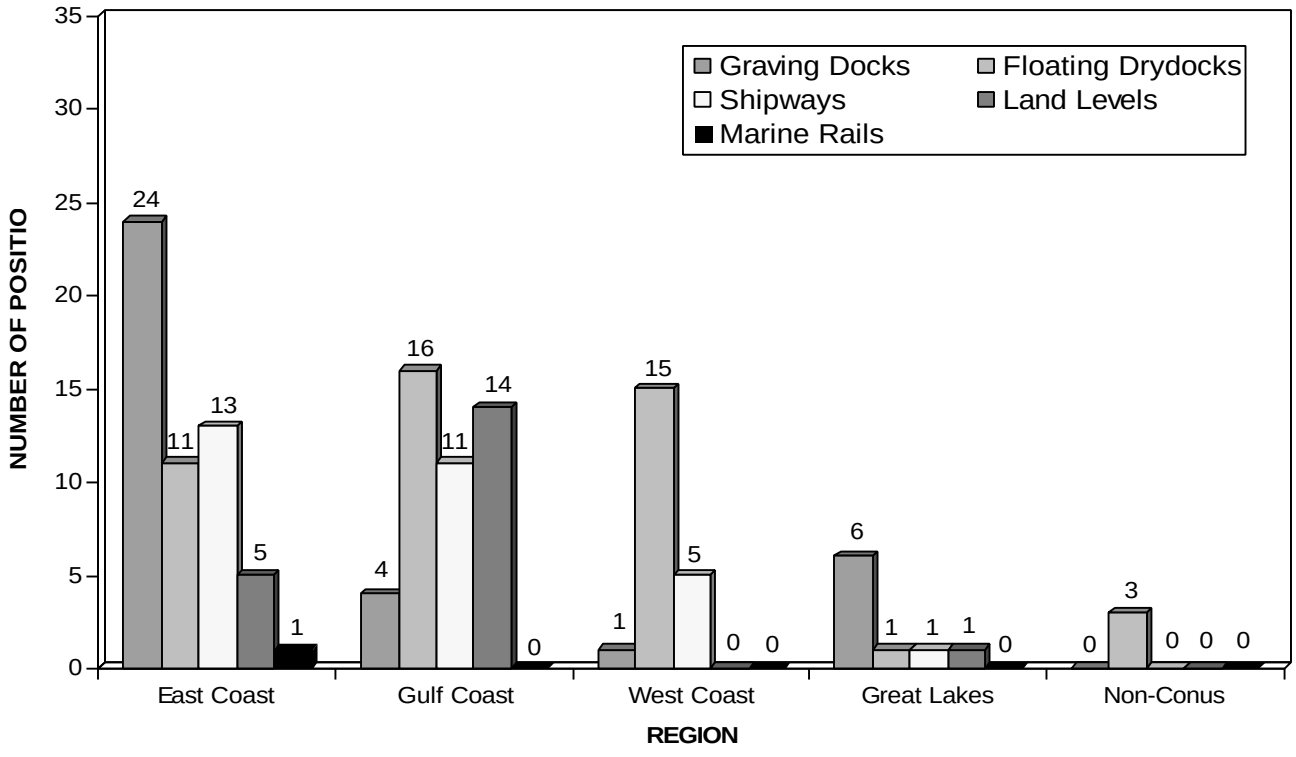


U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

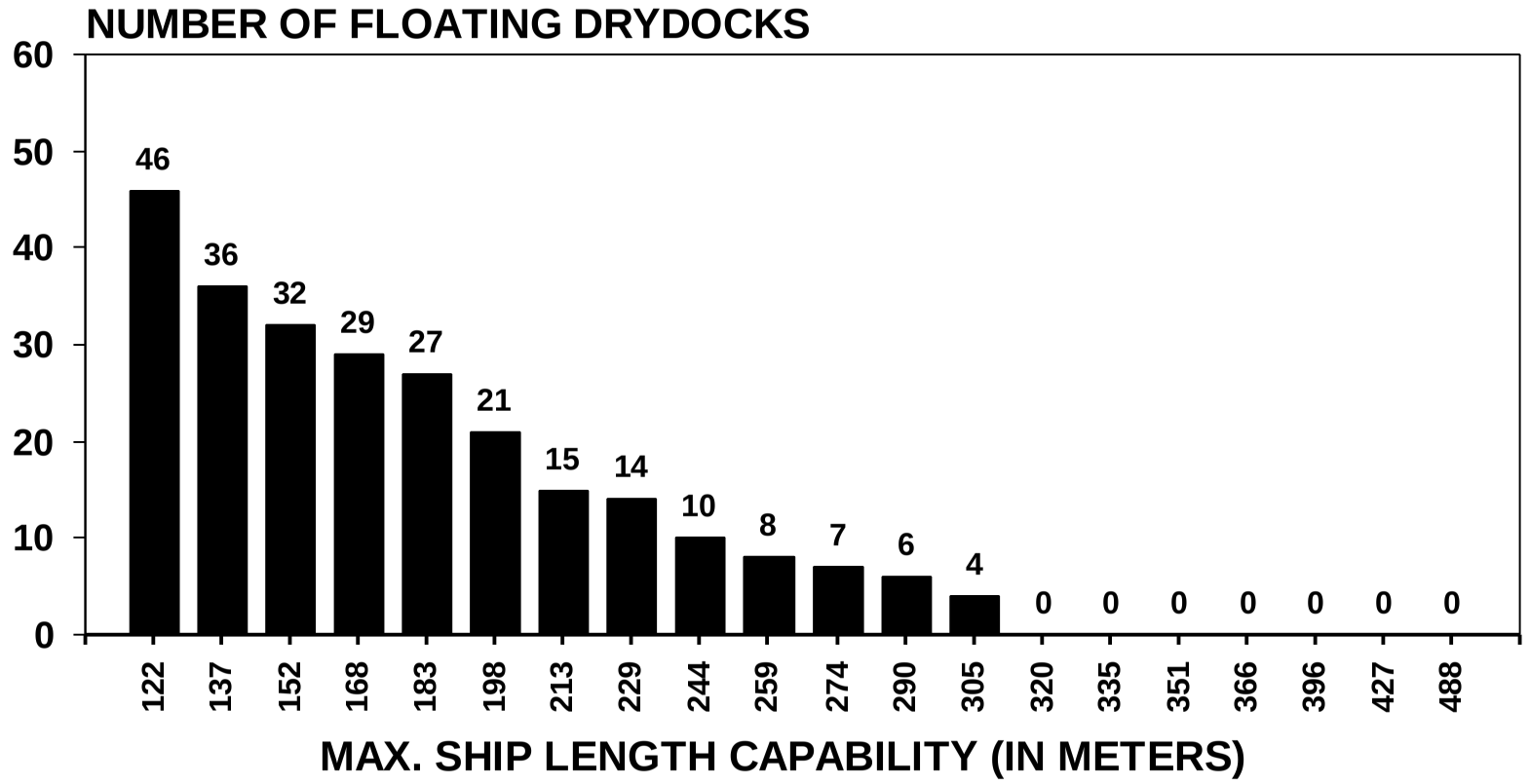
NUMBER OF BUILD AND REPAIR POSITIONS BY REGION

	GRAVING DOCKS	FLOATING DRYDOCKS	SHIPWAYS	LAND LEVELS	MARINE RAILS
EAST COAST	24	11	13	5	1
GULF COAST	4	16	11	14	0
WEST COAST	1	15	5	0	0
GREAT LAKES	6	1	1	1	0
NON-CONUS	0	3	0	0	0
TOTAL	35	46	30	20	1



MAJOR U.S. SHIP REPAIR FACILITIES*

NUMBER OF FLOATING DRYDOCKS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 1, 2001)



* Includes Major Shipbuilding and Repair Yards with Drydock Facilities

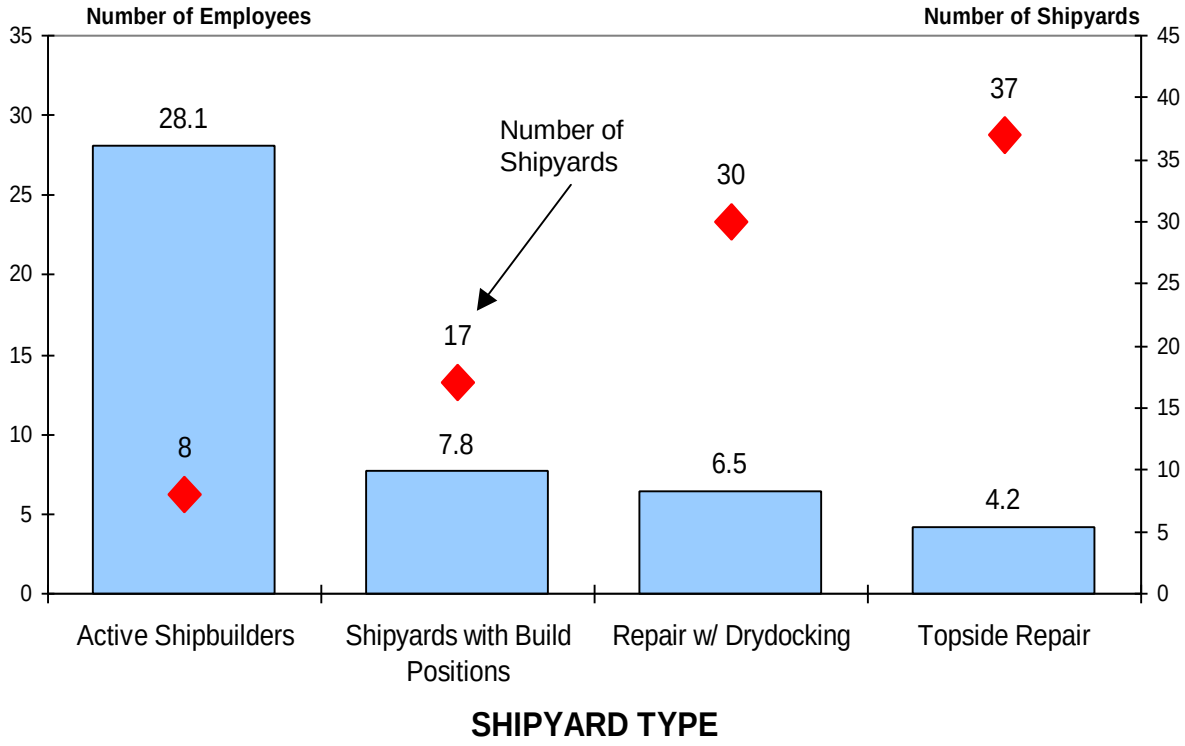
Exhibit 7

U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

NUMBER OF PRODUCTION WORKERS BY SHIPYARD TYPE
(in Thousands)

ACTIVE SHIPBUILDERS	28.1
SHIPYARDS WITH BUILD POSITIONS	7.8
REPAIR WITH DRYDOCKING	6.5
TOPSIDE REPAIR	4.2
TOTAL	46.6

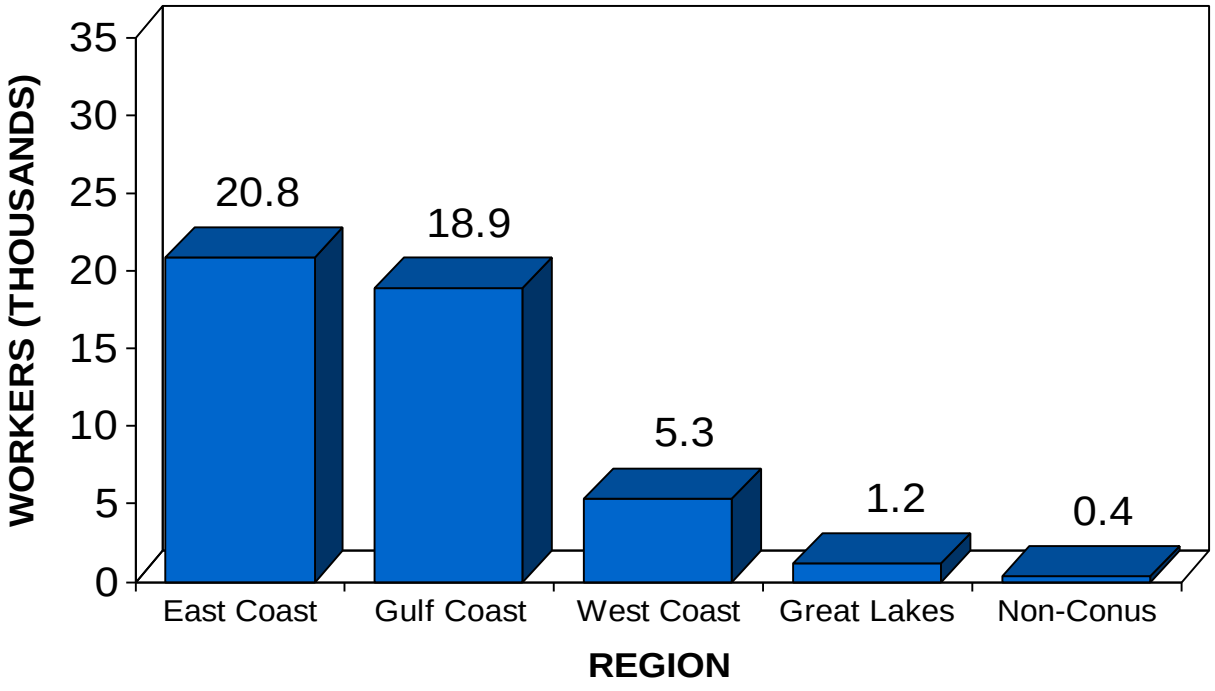


U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

NUMBER OF PRODUCTION WORKERS BY REGION
(in Thousands)

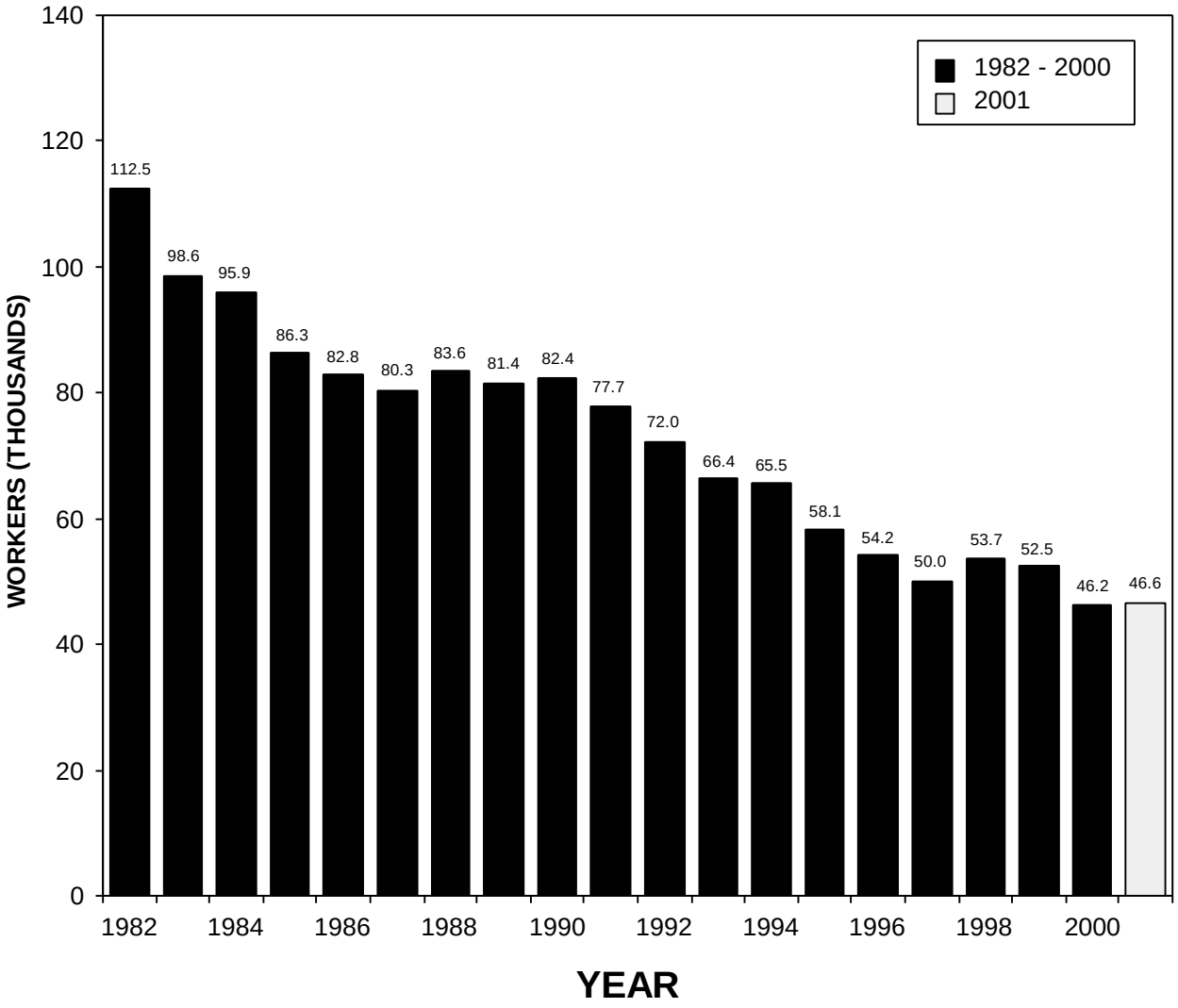
EAST COAST	20.8
GULF COAST	18.9
WEST COAST	5.3
GREAT LAKES	1.2
NON-CONUS	0.4
TOTAL	46.6



U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE
OCTOBER 2001

NUMBER OF PRODUCTION WORKERS
1982 - 2001



October 2001

MAJOR U.S. PRIVATE SHIPBUILDING & REPAIR FACILITIES (92)

EAST COAST

Active Shipbuilding Yards (4)

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

Shipyards with Build Positions (3)

Atlantic Dry Dock Corporation - Jacksonville, FL
Baltimore Marine Industries, Inc. - Baltimore, MD
Intermarine Savannah - Savannah, GA

Repair (With Drydocking) (12)

Bayonne Dry Dock & Repair Corporation - Bayonne, NJ
Caddell Dry Dock & Repair Company, Inc. - Staten Island, NY
Colonna's Shipyard, Inc. - Norfolk, VA
Detyens Shipyard, Inc., Main Yard - Charleston, SC
Detyens Shipyard, Inc., Wando Division - Mt. Pleasant, SC
Eastern Technical Enterprises, Inc. - Brooklyn, NY
Economic Development & Industrial Corporation of Boston (EDIC) - Boston, MA
GMD Shipyard Corporation - Brooklyn, NY
Metro Machine Corporation - Norfolk, VA
Metro Machine Corporation - Philadelphia Division - Philadelphia, PA
Norfolk Shipbuilding & Drydock Corporation, Berkeley - Norfolk, VA
North Florida Shipyard, Inc. - Jacksonville, FL

Topside Repair (11)

American Shipyard Company, LLC - Newport, RI
Associated Naval Architects, Inc. - Portsmouth, VA
Marine Hydraulics International, Inc. - Norfolk, VA
Metal Trades, Inc. - Hollywood, SC
Moon Engineering Company, Inc. - Portsmouth, VA
Norfolk Shiprepair & Drydock Corporation - Norfolk, VA

MAJOR U.S. PRIVATE SHIPBUILDING & REPAIR FACILITIES (92)

EAST COAST (Continued**)**

Topside Repair (11)

Promet Marine Services Corporation - Providence, RI
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 - 30 Yards

MAJOR U.S. PRIVATE SHIPBUILDING & REPAIR FACILITIES (92)

GULF COAST

Active Shipbuilding Yards (3)

Halter Pascagoula - Pascagoula, MS
Northrop Grumman Ship Systems, Avondale Operations - Avondale, LA
Northrop Grumman Ship Systems, Ingalls Operations - Pascagoula, MS

Shipyards with Build Positions (8)

Alabama Shipyard, Inc. - Mobile, AL
AMFELS, Inc. - Brownsville, TX
Bender Shipbuilding & Repair Company, Inc. - Mobile, AL
Friede Goldman Offshore, East - Pascagoula, MS
Halter Moss Point - Moss Point, MS
Newpark Shipbuilding, Galveston - Galveston, TX
Tampa Bay Shipbuilding & Repair Company - Tampa, FL
United Marine Port Arthur Shipyard - Port Arthur, TX

Repair (With Drydocking) (7)

Atlantic Marine, Inc., Mobile - Mobile, AL
Bollinger Gulf Repair - New Orleans, LA
Bollinger Houston - Houston, TX
FGO Texas D.O.C.Yard - Port Arthur, TX
Gulf Marine Repair Corporation - Tampa, FL
Halter Port Bienville - Lakeshore, MS
International Ship Repair & Marine Service, Inc. - Tampa, FL

Topside Repair (17)

Boland Marine & Manufacturing Company, Inc. - New Orleans, LA
Bollinger Algiers, LLC - New Orleans, LA
Bollinger Calcasieu - Sulphur, LA
Bollinger Lockport, LLC - Lockport, LA
Bollinger Texas City - Texas City, TX
CBH Services, Inc. - Orange, TX

MAJOR U.S. PRIVATE SHIPBUILDING & REPAIR FACILITIES (92)

GULF COAST (Continued)

Topside Repair (17)

Dixie Machine Welding & Metal Works, Inc. - New Orleans, LA
FGO Texas Orange Yard - Orange, TX
Gulf Copper and Manufacturing Corporation - Port Arthur, TX
Hendry Corporation - Tampa, FL
Houston Ship Repair, Inc., Brady Island Ship Repair Facility - Houston, TX
Newpark Shipbuilding & Repair, Inc., Brady Island - Houston, TX
Newpark Shipbuilding & Repair, Inc., Pasadena - Pasadena, TX
Newpark Shipbuilding & Repair, Inc., Pelican Island - Galveston, TX
Northrop Grumman Ship Systems, Avondale Oper. - Algiers Div., - Avondale, LA
Orange Shipbuilding Company, Inc. - Orange, TX
Sabine Offshore Services, Inc. - Sabine Pass, TX

Gulf Coast Total – 35 Yards

October 2001

MAJOR U.S. PRIVATE SHIPBUILDING & REPAIR FACILITIES (92)

WEST COAST

Active Shipbuilding Yards (1)

National Steel & Shipbuilding Company - San Diego, CA

Shipyards with Build Positions (2)

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

Repair (With Drydocking) (7)

Bellingham Bay Shipyard, LLC - Bellingham, WA
Cascade General, Inc. - Portland, OR
Lake Union Drydock Company - Seattle, WA
MAR COM, Inc. - Portland, OR
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 (7)

Bay Ship & Yacht Company, Alameda - Alameda, CA
Bay Ship & Yacht Company, Richmond - Richmond, CA
Continental Maritime of San Diego, Inc. - San Diego, CA
Dakota Creek Industries, Inc. - Anacortes, WA
Foss Shipyard - Seattle, WA
Pacific Fisherman, Inc. - Seattle, WA
San Pedro Boat Works - San Pedro, CA

West Coast Total - 17 Yards

MAJOR U.S. PRIVATE SHIPBUILDING & REPAIR FACILITIES (92)

GREAT LAKES

Active Shipbuilding Yards (0)

None

Shipyards with Build Positions (4)

Bay Shipbuilding Company - Sturgeon Bay, WI
Fraser Shipyards, Inc. - Superior, WI
Marinette Marine Corporation - Marinette, WI
Metro Machine of Pennsylvania, Industrial Products Division- Erie, PA

Repair (With Drydocking) (1)

Toledo Ship Repair Company, Toledo Shipyard - Toledo, OH

Topside Repair (2)

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

Great Lakes Total - 7 Yards

MAJOR U.S. PRIVATE SHIPBUILDING & REPAIR FACILITIES (92)

NON-CONUS

Active Shipbuilding Yards (0)

None

Shipyards with Build Positions (0)

None

Repair (With Drydocking) (3)

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

Topside Repair (0)

None

Non-Conus Total - 3 Yards

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DESCRIPTIONS
AND
GENERAL ARRANGEMENT
DRAWINGS
FOR
THE ACTIVE
SHIPBUILDING YARDS

Bath Iron Works Corporation

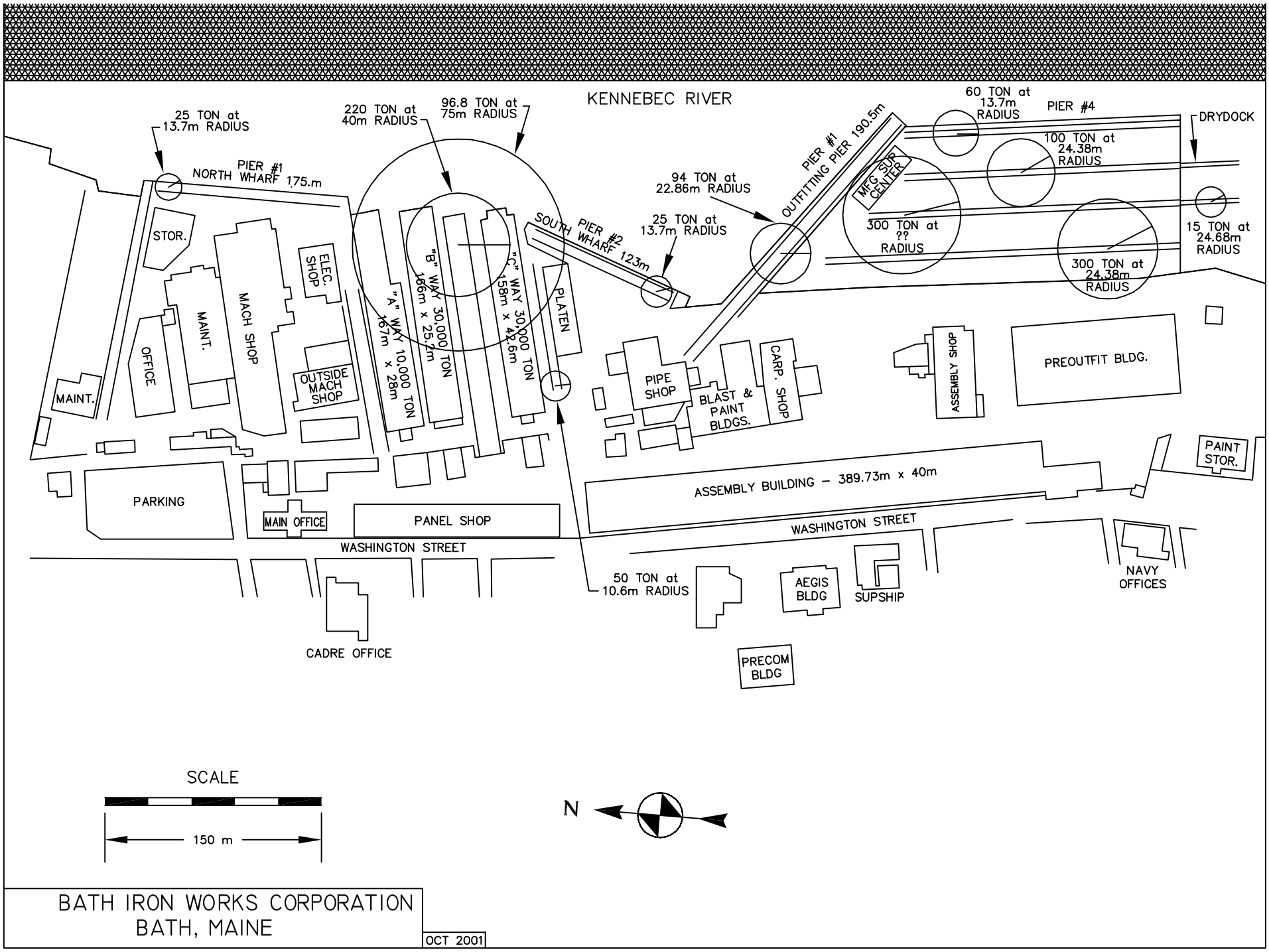
Bath Iron Works Corporation (BIW) is located on the Kennebec River in Bath, ME. The original iron foundry was established in 1826; it became Bath Iron Works Ltd in 1884, and the first ship was delivered in 1890. Since then, this shipyard has built over 240 U.S. Navy surface combatants and more than 160 commercial ships, including product tankers, containerships, roll-on/roll-off ships (RO/RO's), private yachts and fishing vessels. BIW became a wholly owned subsidiary of General Dynamics Corporation in September 1995.

Since 1968, BIW has delivered 23 commercial ships and 53 U.S. Navy warships. In 1973, BIW became the lead yard for the FFG-7 PERRY class frigate and has 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 DDG-51 ARLEIGH BURKE class AEGIS destroyers, the U.S. Navy's newest surface combatant. The lead ship and 18 follow-on ships have been delivered since 1991. As of October 1, 2001, eight DDG's were under contract with the last delivery scheduled for 2006.

BIW was part of the team that, in 1996, was awarded the design and construction contract for the first three SAN ANTONIO class amphibious transport dock ships (LPD 17). BIW is slated to construct the third ship of the contract and 4 of 12 total ships in the program.

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 and can be used for both military and commercial shipbuilding. All three shipways can accommodate ships of 224 meters in length with a maximum beam of 40 meters. Two 300-metric ton whirley cranes service two of these shipways. 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 34 meters and the other a maximum beam of 39meters. A 200-metric ton level-luffing crane services these shipways. The third shipway, which can handle a 210 meter ship with a beam of 26 meters, is serviced by a 270-metric ton crane. 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 BWI'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.

As of mid-2001, the company had about 6,800 employees.



BATH IRON WORKS CORPORATION
BATH, MAINE

OCT 2001

EXHIBIT 1

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 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.

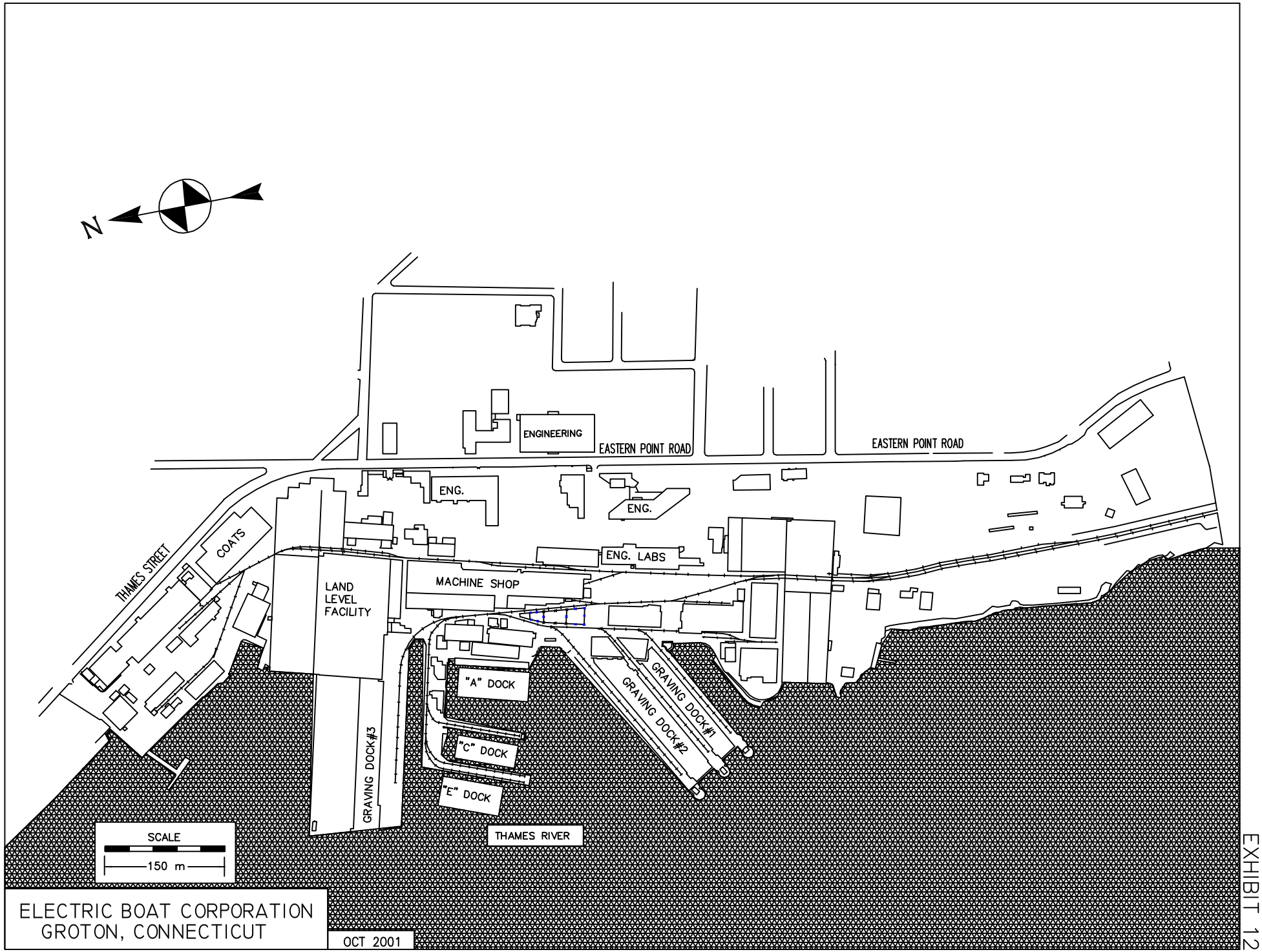
As of October 1, 2001, Electric Boat had under construction the third SSN-21 SEAWOLF class attack submarine and the first SSN-774 VIRGINIA class new attack submarine. Electric Boat is the lead design yard for the VIRGINIA class submarine. The company is also engaged in the repair of nuclear submarines both in Groton and at other Navy homeports.

Electric Boat operates two major manufacturing sites - a 292 hectare shipyard facility with 1,365 meters of deep water frontage on the Thames River in Groton, CT, and a 245 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.

The 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. Seven wetberth positions with portal cranes ranging from 75 to 300 tons can accommodate vessels up to 229 meters long and drawing 12 meters. In 1999, Electric Boat constructed an $11.5 million Command and Control System Module (CCSM) Off-Hull Assembly and Test Site (COATS) facility in Groton to enable earlier equipment integration and testing for the VIRGINIA class program.

As of mid-2001 Electric Boat had approximately 9,100 employees.



ELECTRIC BOAT CORPORATION
GROTON, CONNECTICUT

OCT 2001

EXHIBIT 12

Halter Marine, Inc. – Pascagoula

The Halter Pascagoula shipyard is located on a 78 hectare deep-water site in Pascagoula's Bayou Casotte Industrial Development District and has clear access to the open waters of the Gulf of Mexico. The Pascagoula Complex has a designed annual throughput capacity of 50,000 tons of steel. The northern half, Halter Pascagoula, was developed to build large oceangoing ships while the southern half of the Pascagoula Complex, Friede Goldman Offshore (FGO), was specifically designed to build large offshore drilling rigs, particularly semi-submersibles and jack-ups. Management of the two yards is now integrated, with a Senior Vice President of FGO responsible for rig construction programs and a Senior Vice President of Halter responsible for ship constriction programs and all support activities.

Halter Pascagoula, consisting 36 hectares, was acquired by Halter in November 1995, from Chicago Bridge & Iron. This facility can build large oceangoing ships of up to 213 meters in length by 32 meters in breadth. Halter retained the leading Japanese shipbuilder, Ishikawajima-Harima Heavy Industries Co., Ltd., (IHI) to develop a plan, schedule and cost estimate for its development to allow the construction of containerships. This plan was structured in three phases and estimated to cost approximately $25 million. The major components of this plan had already been implemented by the time the entire program was placed on hold for market conditions to improve.

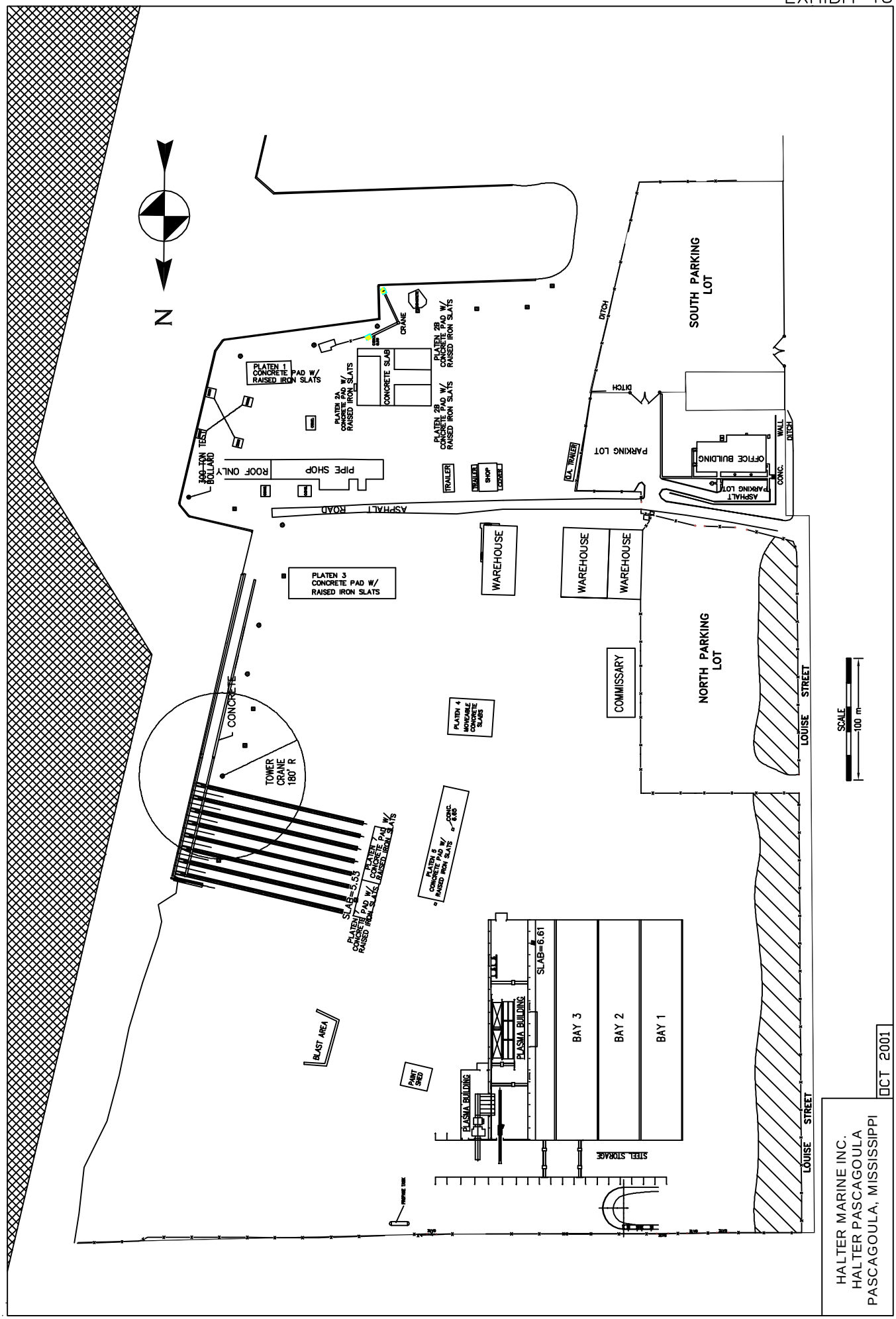
The north area Panel Line Building contains five bays: three 145 meters by 27 meters, one 145 meters by 53 meters and one 49 meters by 18 meters.

The yard has over 23,600 square meters of under-cover production facilities divided between a fabrication shop, paint shop, maintenance shop, and warehouse. The main module building platen is approximately 229 meters in length by 20 meters in width, covering an area of approximately 4,645 square meters. The main fabrication shop is centrally located near the building platens and contains 1,393 square meters. Two additional module assembly areas enclose approximately 1,858 square meters each are located adjacent to the erection/launchways.

The yard has a steel fabrication throughput capacity of 3,628 metric tons per month. The pipe shop has the capacity to provide up to 22,858 linear meters of pipe per year, ranging in diameter from 1.27 centimeters to 30.48 centimeters, and the paint shop has the capacity to blast and paint over 363 metric tons per month.

The Pascagoula Complex has approximately 1,525 meters of waterfront; about 915 meters have been improved for use as outfitting pier space, of which approximately 300 meters is located in the North Yard. The balance of the north yard waterfront will be developed during 2002.

As of mid-2001, employment at Halter Pascagoula was 720.


N
SOUTH PARKING LOT
DITCH
PARKING LOT
OFFICE BUILDING
WALL
DITCH
ASPHALT PARKING LOT
CONC.
O.A. TRAILER
ASPHALT ROAD
PLATEN 1 CONCRETE PAD W/ RAISED IRON SLATS
PLATEN 2A CONCRETE PAD W/ RAISED IRON SLATS
CONCRETE SLAB
PLATEN 2B CONCRETE PAD W/ RAISED IRON SLATS
CRANE
300 TON TEST
300 TON BOLLARD
ROOF ONLY
PIPE SHOP
TRAILER
TRAILER
SHOP
CONDEX
PLATEN 3 CONCRETE PAD W/ RAISED IRON SLATS
WAREHOUSE
WAREHOUSE
WAREHOUSE
COMMISSARY
NORTH PARKING LOT
LOUISE STREET
SCALE
100 m
CONCRETE
TOWER CRANE 180' R
PLATEN 4 MOVEABLE CONCRETE SLABS
PLATEN 5 CONCRETE PAD W/ RAISED IRON SLATS
CONC. 6.65
PLATEN 6 CONCRETE PAD W/ RAISED IRON SLATS
SLAB=5.53
BLAST AREA
PAINT SHED
PLASMA BUILDING
PLASMA BUILDING
SLAB=6.61
BAY 3
BAY 2
BAY 1
STEEL STORAGE
LOUISE STREET
HALTER MARINE INC.
HALTER PASCAGOULA
PASCAGOULA, MISSISSIPPI
OCT 2001

Kvaerner Philadelphia Shipyard Inc.

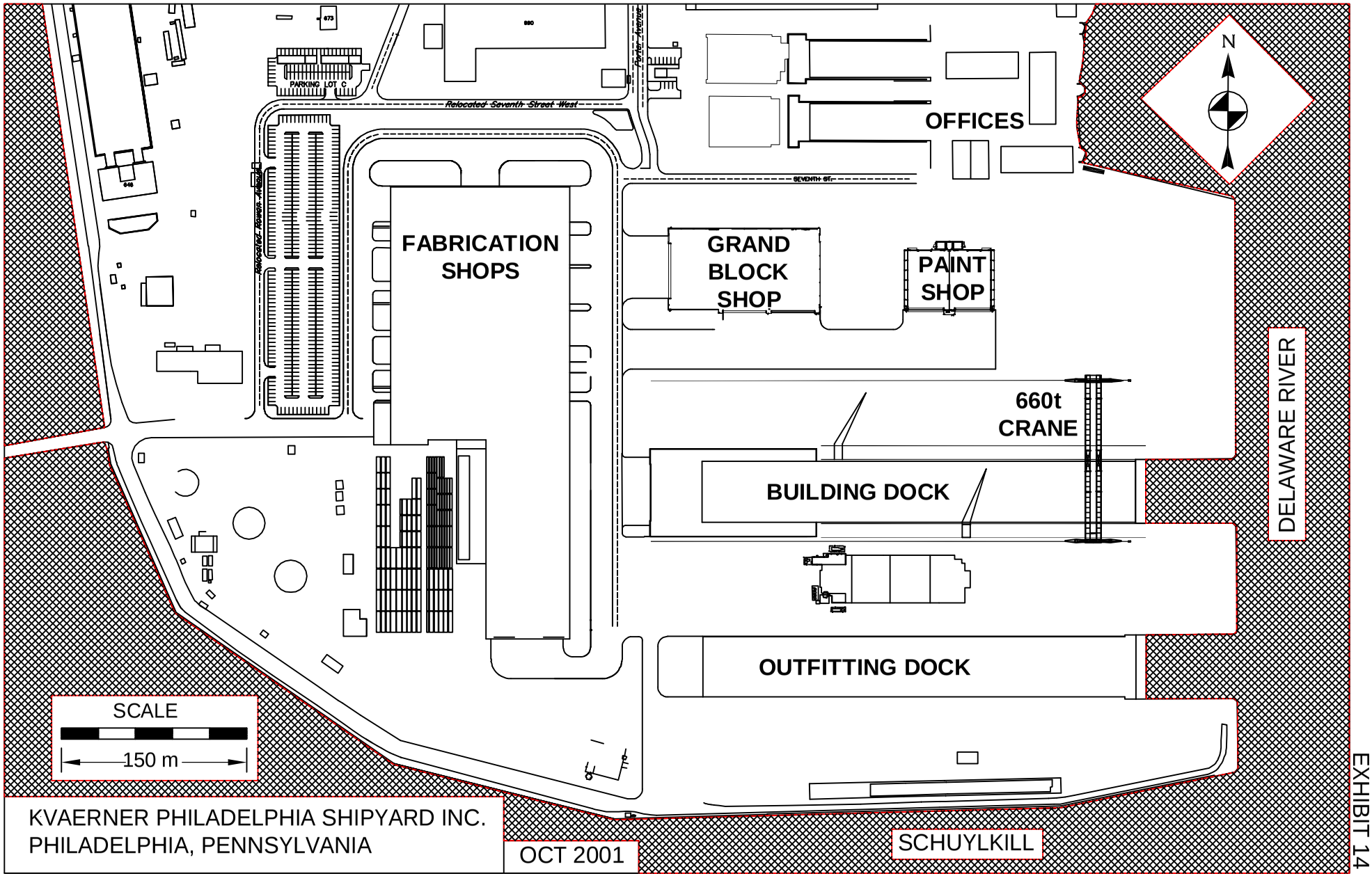
Kvaerner Philadelphia Shipyard Inc. (KPSI) is a newly constructed mid -sized shipyard located in Philadelphia, PA. KPSI's capacity is 25,000 tons of steel per annum. This capacity translates to between two and three ships per year.

The immediate future of the new shipyard is to design and construct containerships, Ro/Ro's, as well as crude and product tankers for the U.S. Jones Act Market. These types of vessels represent significant fleet replacement opportunities over the next several decades. Currently, KPSI is constructing its first ship, a Philadelphia-Class CV2600 Containership.

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. Future ship types that will be targeted include LPG and fast coastal Ro/Ro panamax containerships.

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 serving one of the graving docks. 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-2001 the total labor force was approximately 720 and will reach about 1,000 by mid-year 2002.



33

EXHIBIT 14

National Steel and Shipbuilding Company

National Steel and Shipbuilding Company (NASSCO), the largest shipbuilder on the West Coast, participates in both commercial and U.S. Navy shipbuilding, conversion, and repair markets. The current company was formed 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.

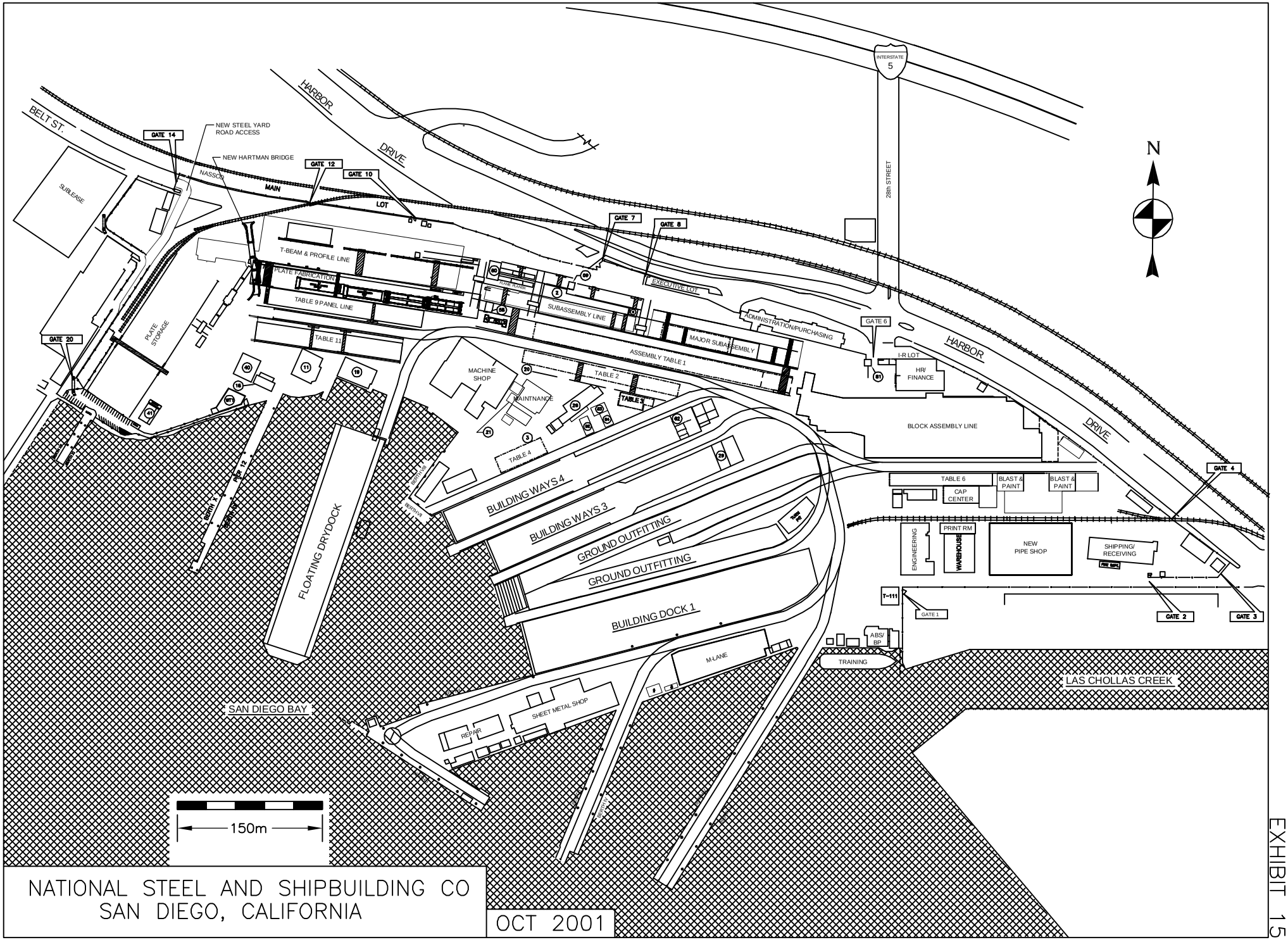
NASSCO has designed and constructed commercial tankers, ore-bulk-oil carriers, very large crude carriers (VLCCs) up to 209,000 dwt, product carriers, a 1,910 TEU containership, in addition to various Navy auxiliary ships including ADs, AFSs, AOEs, and Strategic Sealift RO/RO's. NASSCO conversion projects include the conversion of two 90,000 dwt tankers to 1,000 bed Navy hospital ships (T-AHs), strategic sealift and maritime pre-positioning ships (T-AK/T-AKRs), and three Maersk Line L-Class containerships to Strategic Sealift Large Medium Speed RO/RO's (LMSRs).

As of October 1, 2001 NASSCO's backlog included the design and construction of the last of eight LMSRs for the Navy, two diesel-electric powered Ro/Ro trailerships for Totem Ocean Trailer Express's (TOTE) Alaskan service, and four large double-hull crude carriers for BP Alaska Shipping. NASSCO has multi-year contracts for the repair and maintenance of the Navy's San Diego-based CG-47s, DD-963s, LHAs, and LHDs.

NASSCO's ship construction facilities include a graving dock that can accommodate vessels up to 303 meters by 52 meters and two inclined building ways for up to panamax–size vessels (290 meters by 34 meters). Two new cranes have been installed that can provide lifts up to 306 metric tons and multi-lifts up to 714 metric 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 44,706 metric tons for ships up to 290 meters by 41 meters.

During 2001-2002, General Dynamics and NASSCO are investing over $85 million in facilities upgrades to increase steel throughput and reduce construction duration. In addition to the two new 300-metric ton cranes, an automated block assembly line, T-beam and profile line, and pipe shop are being 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-2001, the total labor force was about 2,900.



NATIONAL STEEL AND SHIPBUILDING CO
SAN DIEGO, CALIFORNIA

OCT 2001

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EXHIBIT 15

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.

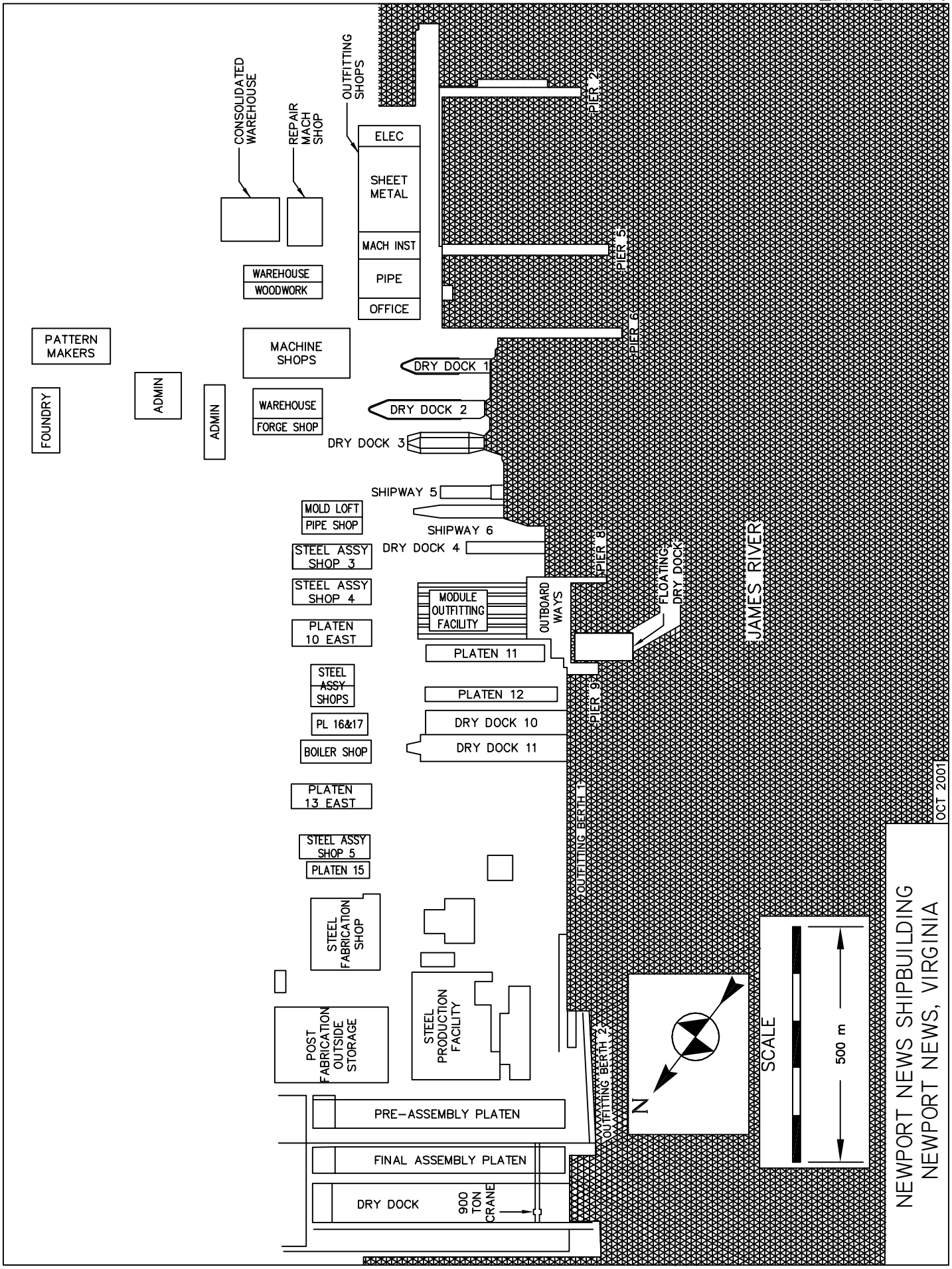
With vast facilities located on more than 223 hectares along two miles of waterfront in Newport News, Virginia, the company had the capability to design, build and maintain every class of ship in the U.S. Navy's fleet.

Included in Newport News's major facilities are

Docks - There are eight docking facilities. 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 construction of two major ships in the dry dock. A 900-metric ton gantry crane, one of the largest in the Western Hemisphere, can handle completely outfitted assemblies. Dry Docks 10 and 11, which are serviced by a 310-metric ton gantry crane, can be used for construction work, but are used primarily for ship overhaul, repair and deactivation. Dry Docks 1-4 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 piers at the MOF.

As of mid-2001 the labor force at Newport News was approximately 17,000.


CONSOLIDATED WAREHOUSE
REPAIR MACH SHOP
OUTFITTING SHOPS
ELEC
SHEET METAL
MACH INST
PIPE
OFFICE
WAREHOUSE
WOODWORK
PATTERN MAKERS
MACHINE SHOPS
FOUNDRY
ADMIN
ADMIN
WAREHOUSE
FORGE SHOP
DRY DOCK 1
DRY DOCK 2
DRY DOCK 3
SHIPWAY 5
SHIPWAY 6
DRY DOCK 4
MOLD LOFT
PIPE SHOP
STEEL ASSY SHOP 3
STEEL ASSY SHOP 4
PLATEN 10 EAST
MODULE OUTFITTING FACILITY
OUTBOARD WAYS
PLATEN 11
PLATEN 12
DRY DOCK 10
DRY DOCK 11
STEEL ASSY SHOPS
PL 16&17
BOILER SHOP
PLATEN 13 EAST
STEEL ASSY SHOP 5
PLATEN 15
STEEL FABRICATION SHOP
POST FABRICATION OUTSIDE STORAGE
STEEL PRODUCTION FACILITY
PRE-ASSEMBLY PLATEN
FINAL ASSEMBLY PLATEN
DRY DOCK
900 TON CRANE
OUTFITTING BERTH 1
OUTFITTING BERTH 2
PIER 2
PIER 5
PIER 6
PIER 8
PIER 9
FLOATING DRY DOCK
JAMES RIVER
N
SCALE
500 m
OCT 2001
NEWPORT NEWS SHIPBUILDING
NEWPORT NEWS, VIRGINIA

Northrop Grumman Ship Systems, Avondale Operations

Northrop Grumman Ship Systems, Avondale Operations (Avondale) is located on the west bank of the Mississippi River approximately 22 kilometers upriver from New Orleans, LA. Since 1938, Avondale has constructed a full range of Navy and commercial ships, as well as Coast Guard ships (cutters and icebreaker/research vessels) and offshore drilling rigs, platforms, jackets, and production modules. It has the distinction of being the only American shipyard to have constructed LASH (lighter aboard ship) vessels.

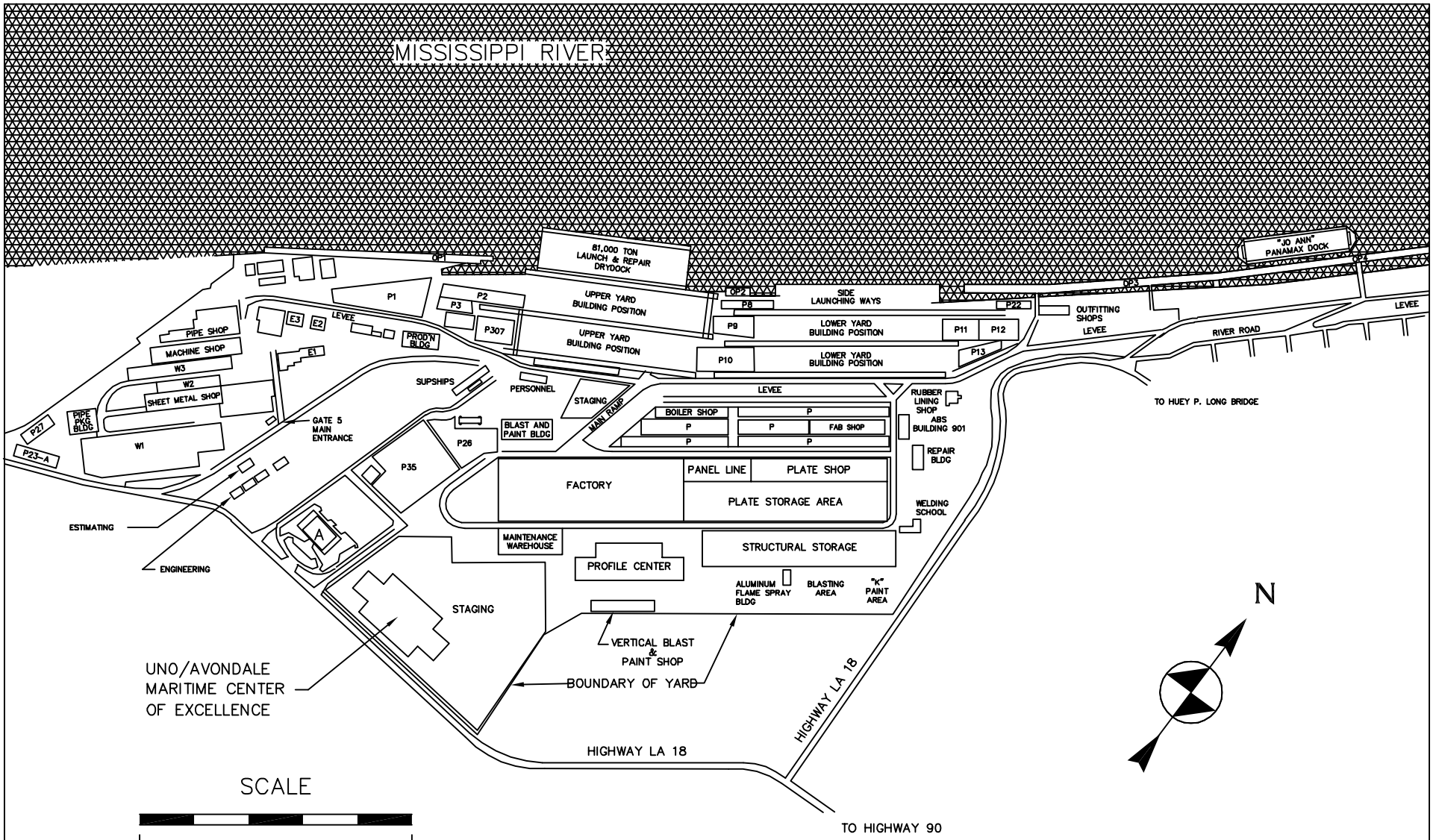
Avondale also maintains an active repair department for commercial and naval vessels.

Avondale's orderbook as of October 1, 2001, consisted of LMSRs (T-AKRs), three amphibious transport dock ships (LPDs), and four 131,623 dwt product carriers with additional options.

Avondale totals 108 hectares and contains three outfitting docks equipped with supporting shops and over 1,431 meters of pier space. The upper yard shipbuilding area has two large positions to accommodate vessels up to 311 meters in length by 53 meters beam. The major part of one ship can be erected along with the stern section of a second ship on 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 lifting capacity of 82,296 metric tons. The lower yard shipbuilding area with side-launching capabilities was recently upgraded by adding new building ways in line with the existing launching ways. The new ways were added at Position 2. New launching skids were also constructed that extended to the end of the launching ways. This allows vessels to be rolled out directly onto Avondale's 81,000-ton floating drydock for launching. The new ways can accommodate vessels up to 366 meters in length by 53 meters beam. Up to five vessels, greater than 213 meters length overall (LOA) can be constructed simultaneously in the lower yard shipbuilding area. A 13,000-ton panamax floating drydock, which can accommodate ships up to 229 meters by 35 meters and has a lifting capacity of 19,000 metric tons, is moored downriver alongside an outfitting dock.

Northrop Grumman Ship Systems, Avondale Operations has a facility located at Gulfport, MS, capable of building vessels 137 meters long by 27 meters beam.

In mid-2001, the total employment was about 5,902.



NORTHROP GRUMMAN SHIP SYSTEMS
AVONDALE OPERATIONS
AVONDALE, LOUISIANA

OCT 2001

KEY

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

EXHIBIT 17

Northrop Grumman Ship Systems, Ingalls Operations

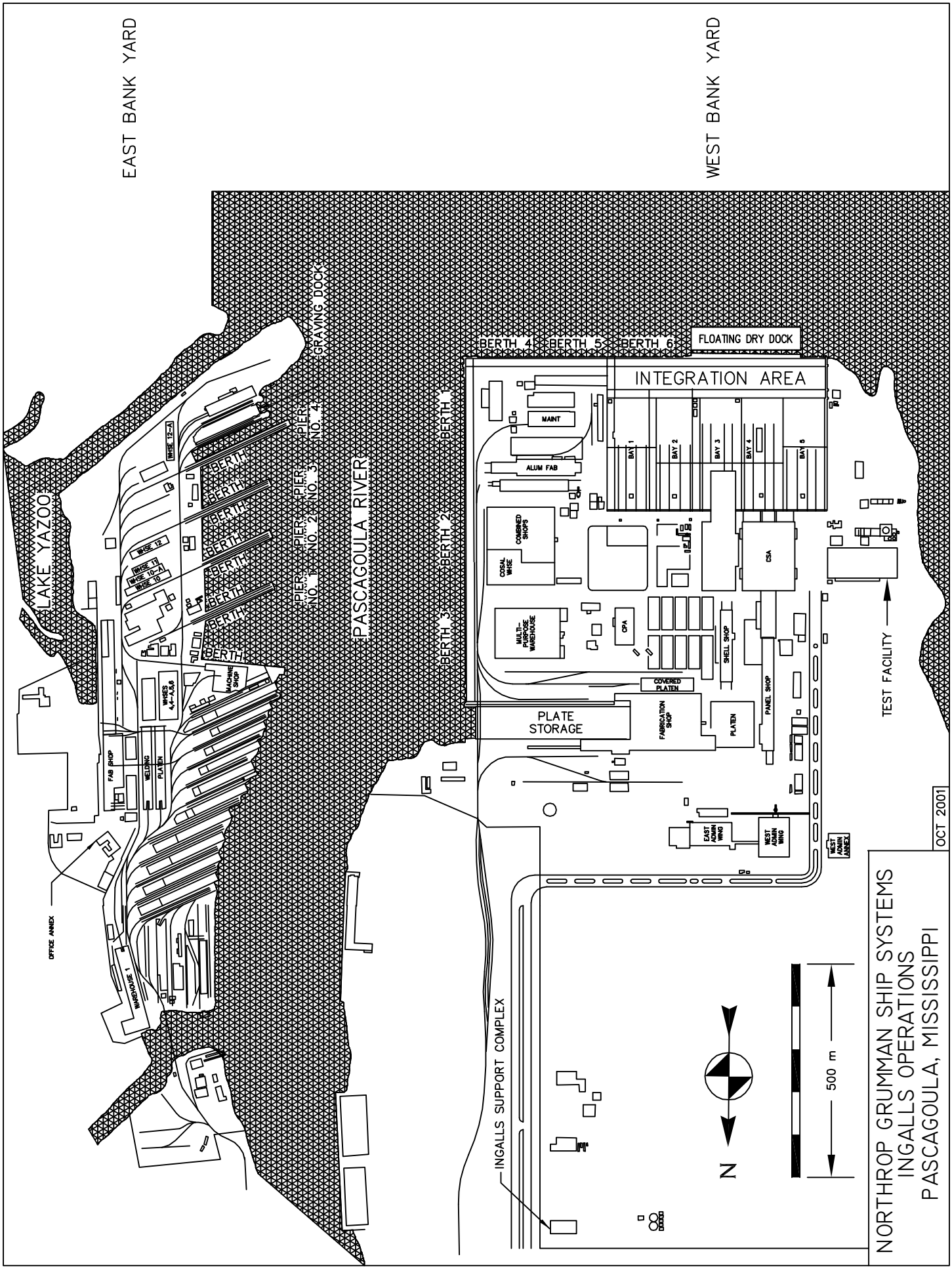
Northrop Grumman Ship Systems, Ingalls Operations (Ingalls) is located on the Gulf of Mexico in Pascagoula, MS. Ingalls is a diversified shipbuilding facility experienced in the design, engineering, construction, modernization, conversion, overhaul and fleet support of Navy warships and auxiliaries, as well as commercial ships and mobile offshore drilling rigs. Since 1975, Ingalls has delivered to the U.S. Navy 81 major surface combatant ships. Ingalls has also delivered three SAAR 5 corvettes to the Government of Israel.

As of October 2001, Ingalls had nine under construction new AEGIS guided missile destroyers (DDG-51 class) and two 1,700 oceangoing pas senger cruise ships for American Classic Cruises for service in Hawaii.

Ingalls' 243 hectare West Bank facility, completed in 1970, is geared to assembly-line construction, in lieu of conventional inclined shipbuilding ways. Fabricated steel and subassemblies are brought from the 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 processing lines, each of which can produce 5,447 metric ton modules. After assembly and outfitting, the modules are moved to an integration area where they are erected into a complete ship. The ship is then moved to a floating drydock (resting on a submerged grid) which is subsequently floated and moved to a deep-water area where it is ballasted and the ship launched. The drydock can launch or recover a maximum ship size of 305 meters by 53 meters and 37,500 long tons. (Approximately 1,432 meters of berthing space, serviced by cranes up to 272 metric tons, are available for outfitting. A 16,721 square meters of the shipyard's slab area is roofed to increase the amount of early outfitting performed.) Modern pipe production facilities, a machinery packaging facility, and a new blast and paint station in the steel fabrication complex are also available. Ingalls' current facility and technology improvements include a new robotics welding capability and a composite facility. In August 1997, Ingalls announced plans to invest $130 million in a major facilities program to enhance capacity for both military and commercial work. This program was completed in 2000.

Ingalls' older East Bank facility has been in operation since 1938. Although there are six inclined shipways and a graving dock at East Bank, they were all taken out of service in 1989, along with three piers. One pier remains providing 457 meters of berthing space serviced by cranes with up to 54 metric tons of capacity for outfitting and topside repair.

As of mid-2001, Ingalls employed a total labor force of approximately 10,100.


EAST BANK YARD
WEST BANK YARD
LAKE YAZOO
PASCAGOULA RIVER
GRAVING DOCK
FLOATING DRY DOCK
INTEGRATION AREA
BERTH 4
BERTH 5
BERTH 6
PIER NO. 4
PIER NO. 3
PIER NO. 2
PIER NO. 1
BERTH 1
BERTH 2
BERTH 3
MAINT
ALUM FAB
BAY 1
BAY 2
BAY 3
BAY 4
BAY 5
COMBINED SHOPS
COSAL WISE
CSA
MULTI-PURPOSE WAREHOUSE
CPA
SHELL SHOP
COVERED PLATEN
PLATE STORAGE
FABRICATION SHOP
PLATEN
PANEL SHOP
TEST FACILITY
EAST ADMIN WING
WEST ADMIN WING
WEST ADMIN ANNEX
WHSE 12-A
WHSE 12
WHSE 11
WHSE 10-A
WHSE 10
WHSES 4-A–4-G
MACHINE SHOP
FAB SHOP
WELDING PLATEN
WAREHOUSE 1
OFFICE ANNEX
INGALLS SUPPORT COMPLEX
N
500 m
NORTHROP GRUMMAN SHIP SYSTEMS
INGALLS OPERATIONS
PASCAGOULA, MISSISSIPPI
OCT 2001

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SHIPBUILDING INDUSTRY

AND

ACTIVITIES

2001

MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES

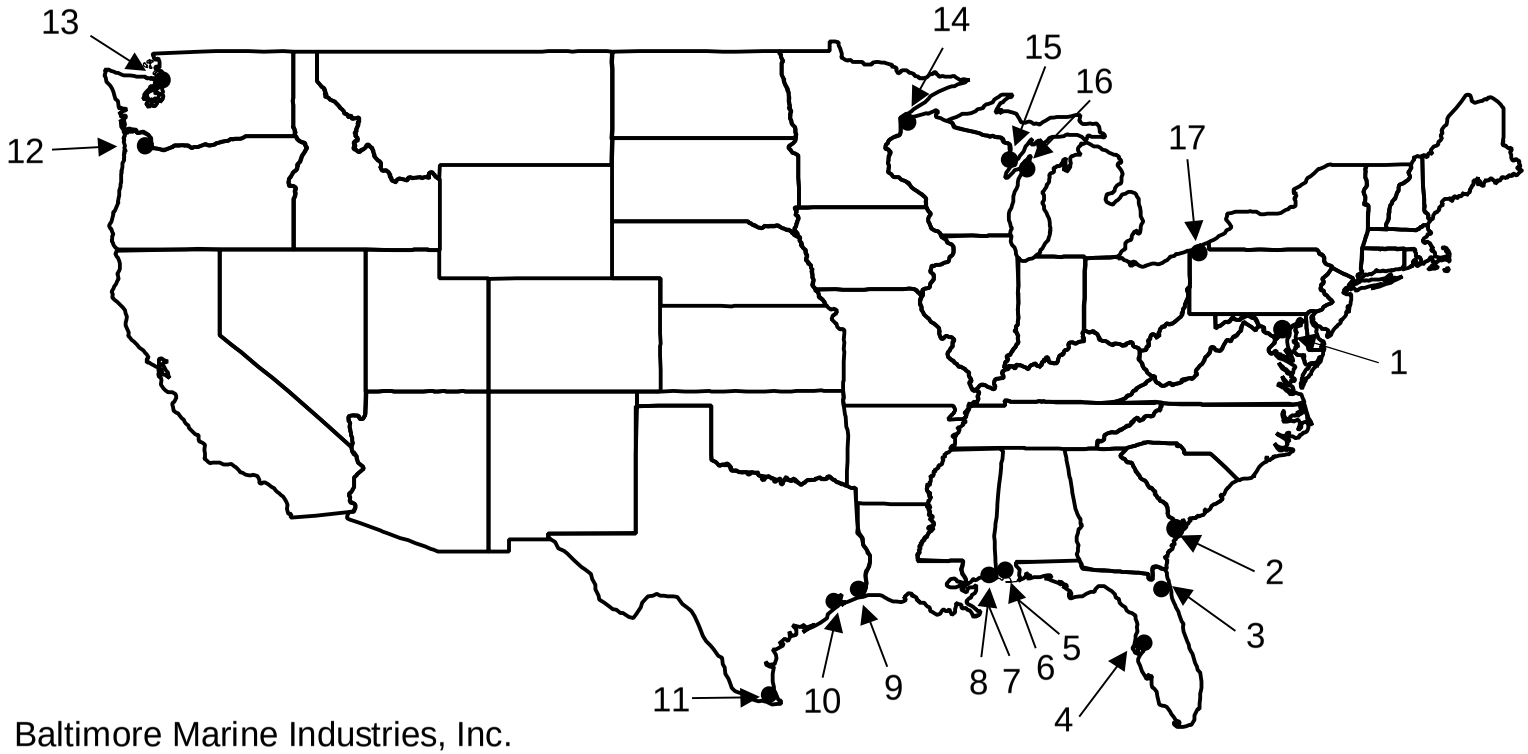
Active Shipbuilding Yards

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

2001

MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES

Shipyards with Build Positions

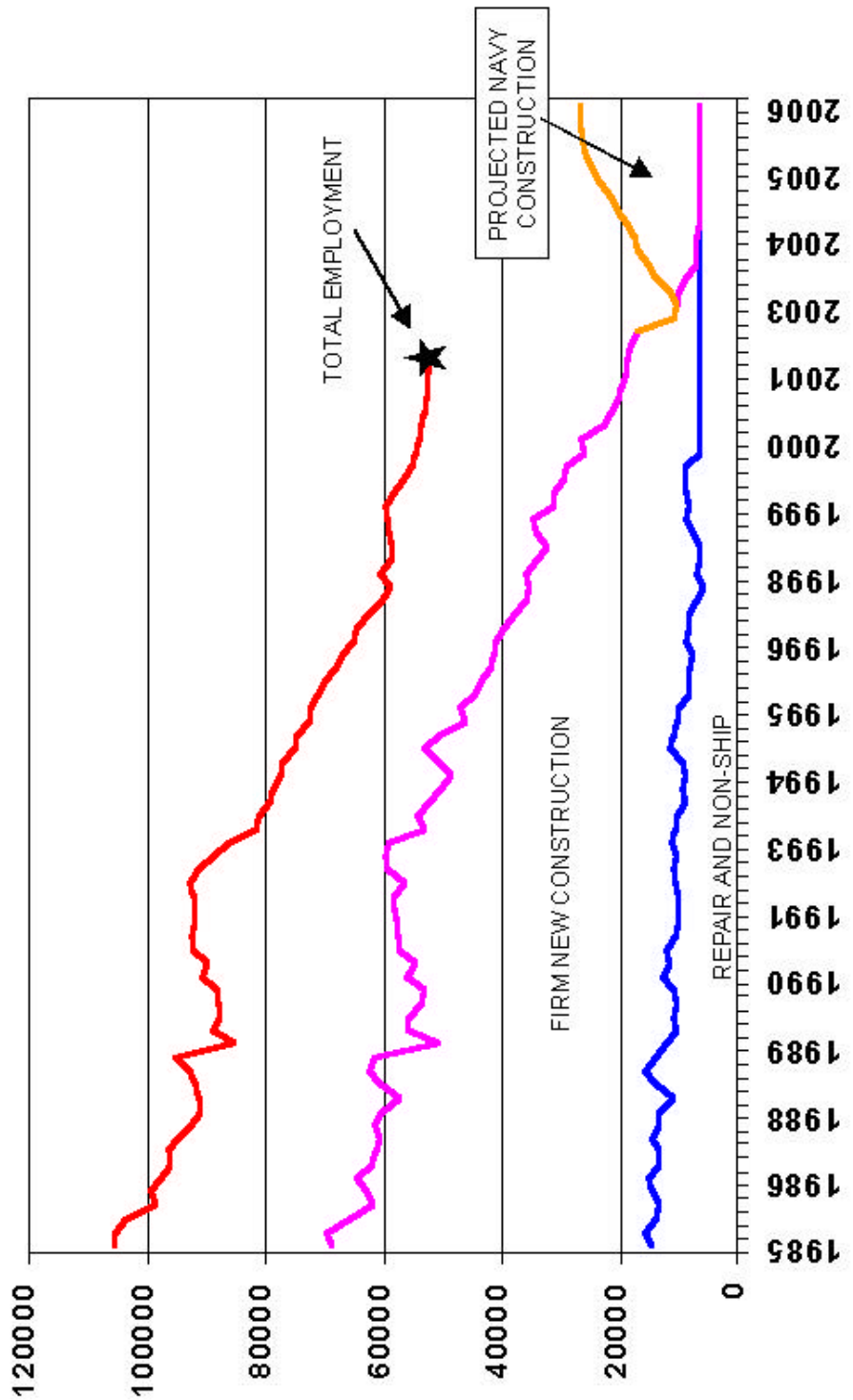


1. Baltimore Marine Industries, Inc.
2. Intermarine Savannah
3. Atlantic Drydock Corp.
4. Tampa Bay Shipbuilding & Repair Co.
5. Bender Shipbuilding and Repair Co., Inc.
6. Alabama Shipyard, Inc.
7. Halter Moss Point
8. Friede Goldman Offshore, East
9. United Marine Enterprises, Inc., Port Arthur Shipyard
10. Newpark Shipbuilding, Galveston
11. AMFELS, Inc.
12. Gunderson, Inc.
13. Todd Pacific Shipyards Corporation
14. Fraser Shipyards
15. Marinette Marine Corporation
16. Bay Shipbuilding Co.
17. Metro Machine Corporation, Industrial Products Division

2001

SHIPBUILDING INDUSTRY WORKLOAD PROJECTION
MAJOR SHIPBUILDING BASE SUMMATION

NUMBER OF YARDS = 8



SOURCE: SHIPYARD DATA FROM FORM MA-832 WHEN PROVIDED
OFFICE OF SHIPBUILDING TECHNOLOGY; MARITIME ADMINISTRATION

U.S. COMMERCIAL SHIPBUILDING ORDERBOOK

At the end September 2001, the orderbook for commerical oceangoing ships consisted of one 1,580 GT Coastal Cruise Ship at Atlantic Marine, Jacksonville, FL; two 8,500 GT containerships at Bender Shipbuilding, Mobile AL; one 32,000 GT containership at Kvaerner Philadelphia, Philadelphia, PA; two 37,237 GT car/truck carriers at Halter Marine, Pascagoula, Pascagoula, MS; two 60,885 GT Roll-on/Roll-off's (RO/RO's) and four 106,968 GT product tankers at National Steel Shipbuilding, San Diego, CA; four 88,187 GT crude carriers at Northrop Grumman Ship Systems, Avondale Operations, New Orleans, LA; and two 72,000 GT cruise ships at Northrop Grumman Ship Systems, Ingalls Operations, Pascagoula, MS. The orderbook has a total estimated value of over $3.2 billion.

Exhibit 22

U.S. COMMERCIAL ORDERBOOK
(as of October 1, 2001)

SHIPYARD	NUMBER	SHIPTYPE	GROSS TONS	CONTRACT DATE	LAST DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Atlantic Marine, Jacksonville	1	Coastal Cruise Ship	1,580	05/06/1999	01/31/2002	$ 37.0
Bender Shipbuilding	2	Containership	8,500	07/17/2001	06/13/2003	$ 69.0
Halter Marine, Pascagoula	2	Car/Truck Carrier	37,237	12/14/1999	06/24/2002	$ 139.5
Kvaerner, Philadelphia	1	Containership	32,000	01/24/2000	05/23/2002	$ 81.0
National Steel	2	RO/RO	60,884	12/06/1999	04/03/2003	$ 300.0
National Steel	4	Product Tanker	106,968	09/15/2000	06/30/2006	$ 840.0
Northrop Grumman, Avondale	4	Crude Carrier	88,187	06/30/1997	05/31/2004	$ 732.5
Northrop Grumman, Ingalls	2	Cruise Ship	72,000	03/09/1999	N/A	$ 1,047.0
	18 Ships					$ 3,245.9

U.S. COMMERCIAL SHIP CONSTRUCTION

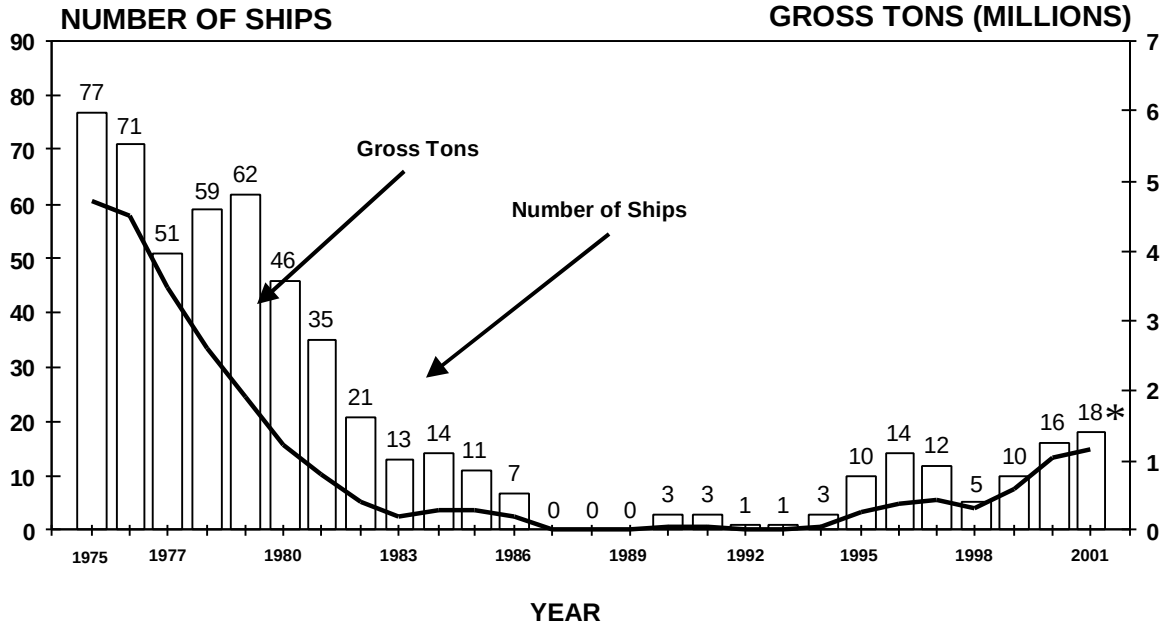
The U.S. orderbook, as of October 1, 2001, for commercial shipbuilding had reached a level not seen in more than two decades. The orderbook consisted of 18 oceangoing commercial vessels as listed previously

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

COMMERCIAL SHIPBUILDING ORDERBOOK HISTORY
(AS OF DECEMBER 31)
SHIPS OF 1,000 GROSS TONS AND OVER



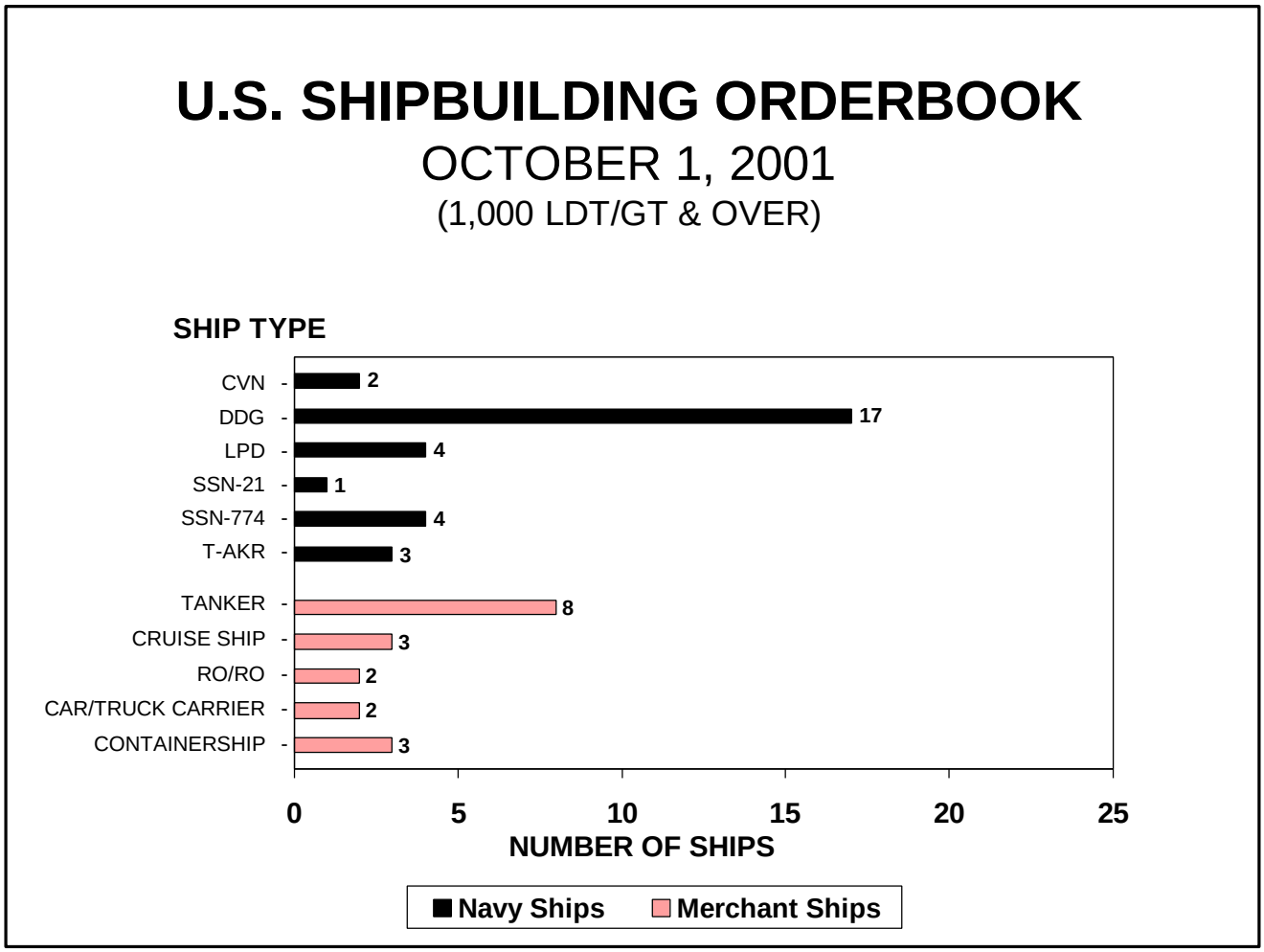
* as of October 1, 2001

OVERALL U.S. SHIPBUILDING ORDERBOOK

As of October 1, 2001, ships on order or under construction in U.S. private shipyards totaled 31 naval and 18 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.

Ten shipyards had contracts for the construction of naval and commercial vessels. The naval shipbuilding orderbook, which was comprised of six different types of vessels, included 23 ships scheduled for delivery in 2003 and later. Seven shipyards had orders for a total of 18 commercial ships, six are scheduled to be delivered during 2002, four in 2003, three in 2004 and one each during 2005 and 2006.

Exhibit 24



OVERALL NEW U.S. SHIPBUILDING ORDERS

In the nine months ending October 1, 2001, U.S. shipyards received orders for the construction of four new oceangoing commercial vessels and one new naval vessel (Exhibit 25).

On, February 27, 2001 Northrop Grumman Ship Systems, Avondale Operations received a follow-on award to their current crude carrier contract with Polar Tankers, bringing the total contract to 5 vessels, one of which has already been delivered. September 21 brought National Steel Shipbuilding a follow-on award for a product tanker, bringing the total under contract to four for British Petroleum. Bender Shipbuilding has entered the commercial oceangoing shipbuilding market with the contract for two 355 45-ft TEU containerships.

Exhibit 25

NEW SHIPBUILDING ORDERS - 2001

as of October 1, 2001

(1,000 GT or LDT and OVER)

SHIPYARD	DESIGN TYPE	APPROXIMATE CONTRACT PRICE (in Millions)	ESTIMATED LDT / GT		CONTRACT AWARD DATE	ESTIMATED DELIVERY DATE
COMMERCIAL SHIPS						
Northrop Grumman, Avondale	Tanker	$ 205.5	88,187	LDT	02/27/2001	05/31/2004
Bender Shipbuilding	Containership	$ 34.5	8,500	LDT	07/17/2001	06/15/2003
Bender Shipbuilding	Containership	$ 34.5	8,500	LDT	07/17/2001	06/15/2003
National Steel	Tanker	$ 210.0	106,968	LDT	09/21/2001	06/30/2006
	4 Ships	$ 484.5	212,155	LDT		
NAVAL SHIPS						
Newport News	CVN 77	$ 3,800.0	91,487	GT	01/26/2001	03/31/2008
	1 Ship	$ 3,800.0	91,487	GT		

U.S. COMMERCIAL SHIP DELIVERIES

During the first nine months of 2001, U.S. shipyards delivered two commercial oceangoing ships (Exhibit 26). Atlantic Marine, Jacksonville delivered the first of two coastal cruise ships to American Classic Voyages and Northrop Grumman Ship Systems, Avondale Operations delivered the first of a series of crude carriers.

Exhibit 26

COMMERCIAL OCEANGOING VESSELS DELIVERED - 2001

October 1, 2001
(1,000 GT and OVER)

SHIPYARD	DESIGN TYPE	VESSEL NAME	GROSS TONS	CONTRACT DELIVERY DATE	PRICE (IN Millions)
Atlantic Marine, Jacksonville	Coastal Cruise Ship	CAPE MAY LIGHT	1,580	04/08/2001	$37.0
Northrop Grumman Ship Systems, Avondale	Crude Tanker	POLAR ENDEAVOR	88,187	05/03/2001	$166.0
	2 Ships		89,767		$203.0

U.S. NAVAL SHIP DELIVERIES

During the first nine months of 2001, U.S. private shipyards delivered 8 new naval vessels, 1,000 LDT and larger. The naval vessels delivered totaled approximately 194,309 LDT and had an initial contract value of approximately $2.7 billion (Exhibit 27).

Three different types of naval ships were delivered by four shipyards:
3 - guided missile destroyers (DDG); 4 - vehicle cargo ships (T-AKR) and 1 - amphibious transport ship (LHD).

Exhibit 27

NAVY CONSTRUCTION VESSELS DELIVERED - 2001

October 1, 2001
(1,000 LDT and OVER)

SHIPYARD	SHIP CLASS and HULL NUMBER	ESTIMATED VESSEL NAME	LDT	DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Northrop Grumman, Avondale	T-AKR 303	MENDONCA	34,408	01/30/2001	$ 206.4
Northrop Grumman, Ingalls	DDG 82	LASSEN	8,344	02/05/2001	$ 369.4
National Steel	T-AKR 315	WATKINS	36,114	03/05/2001	$ 227.0
Northrop Grumman, Ingalls	LHD 7	IWO JIMA	28,233	04/06/2001	$ 795.4
Bath Iron Works	DDG 83	HOWARD	8,344	06/22/2001	$ 348.0
Northrop Grumman, Avondale	T-AKR 304	PILILAAU	34,408	07/24/2001	$ 211.1
National Steel	T-AKR 316	POMEROY	36,114	08/14/2001	$ 195.0
Northrop Grumman, Ingalls	DDG 84	BULKELEY	8,344	08/18/2001	$ 329.5
	8 Ships		194,309		$ 2,681.8

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 72 new ships and the conversion of 36 existing vessels. The initial contract value for these vessels totaled approximately $10.4 billion.

During the first nine months of 2001, there were no new orders for T-ships placed with U.S. shipyards.

During this same period, deliveries included four military sealift ships (T-AKR) two by National Steel Shipbuilding, San Diego, CA and two by Northrop Grumman Ship Systems, Avondale Operations, New Orleans, LA.

As of October 1, 2001, three T-ships were under construction or on order at two shipyards (Exhibit 28). The value of this orderbook is approximately $680 million.

Exhibit 28

T-SHIPS ON ORDER OR UNDER CONSTRUCTION
(as of October 1, 2001)

SHIPYARD	SHIP CLASS and HULL NUMBER	VESSEL NAME	DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Northrop Grumman, Avondale	T-AKR 305	BRITTIN	01/16/2002	$ 210.0
Northrop Grumman, Avondale	T-AKR 306	BENAVIDEZ	08/12/2002	$ 227.0
National Steel	T-AKR 317	- unnamed -	09/17/2002	$ 230.0
	3 Ships			$ 667.0

PROJECTED U.S. NAVY SHIPBUILDING PLAN

The U.S. Navy shipbuilding plan for fiscal years 2002 - 2007 includes the construction of 40 new ships and 2 nuclear aircraft carrier refuelings (Exhibit 29). More than $40 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 2002 - 2006 shipbuilding program represents an increase in the amount of new shipbuilding work available to the nation's industrial base when compared with Navy programs for the past several years. This program, with an average of six and a half new ships per year, represents a 11.2 percent decrease in the quantity of ships being procured as compared to the 2000-2005 plan, as well as representing a 66 percent reduction in the quantity of ships to be procured compared with the 19 ships per year average for Navy programs during the 1980s.

The Navy's plan includes the construction of 13 guided missile destroyers (DDG-51), six attack submarines (SSN) and 5 amphibious transport ships (LPD). These three shipbuilding programs will probably utilize more than 85 percent of the available new construction funding.

Exhibit 29

NAVY SHIPBUILDING PLAN
Fiscal Years 2002 - 2007

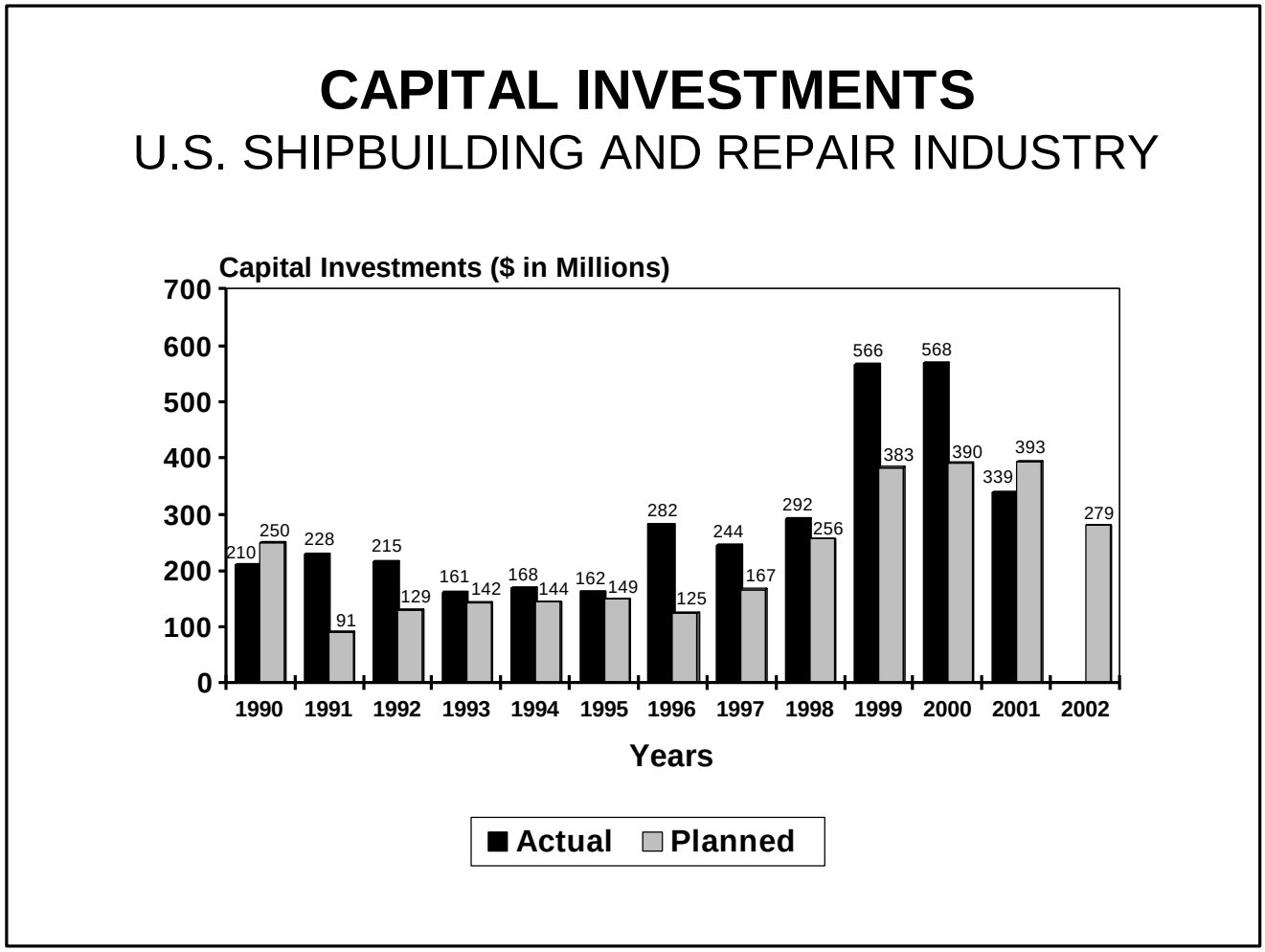
Ship Class	2002	2003	2004	2005	2006	2007	Total
New Construction							
CVN	-	-	-	-	-	1	1
SSN-774	1	1	1	1	1	1	6
DD-21	-	-	-	1	-	-	1
DDG-51	3	2	2	2	2	2	13
LHD	-	-	-	-	-	1	1
LPD	-	1	-	1	2	1	5
T-AKE	1	1	2	2	2	2	10
JCC(X)	-	-	-	-	1	2	3
Total	5	5	5	7	8	10	40
Conversion							
CVN (Refueling)	1	-	-	1	-	-	2
Submarine (Refueling)	2	2	1	1	5	6	17
Total	3	2	1	2	5	6	19

CAPITAL INVESTMENT IN U.S. SHIPBUILDING

During FY 2001, the U.S. ship construction and ship repair industry invested more than $339 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 2002, the industry plans to spend about $279 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 $8.0 billion. The actual expenditures between 1985 and 2001, with the exception of 1990 and 2001, have consistently exceeded those planned.

Exhibit 30



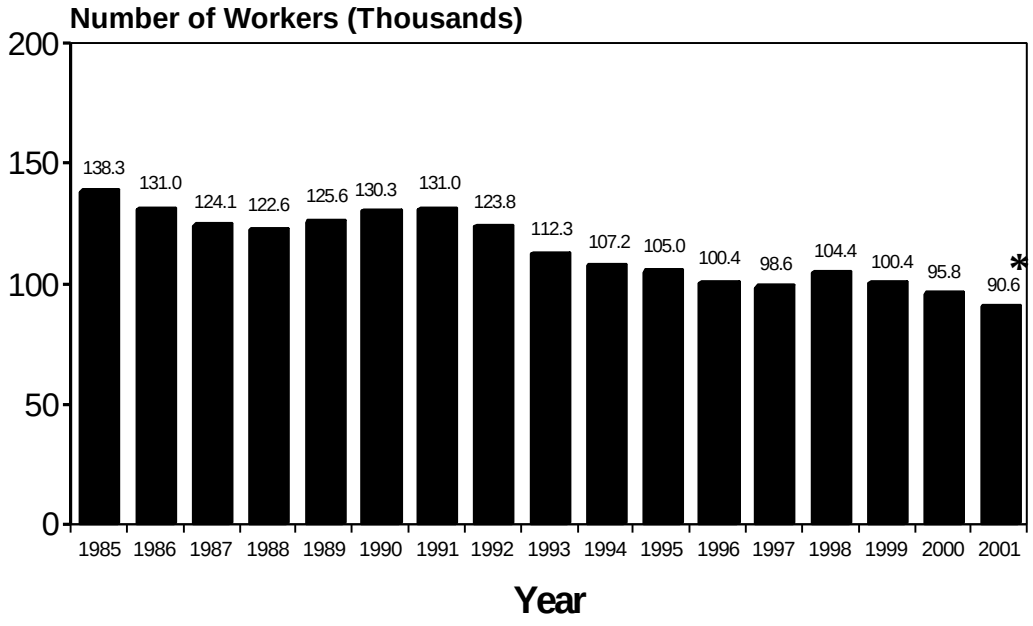
TOTAL EMPLOYMENT IN U.S. PRIVATE SHIPYARDS

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 2001 was 90,600 (Exhibit 31). This total reflects a decrease of 5.0 percent, from 2000 revised average total employment for the shipbuilding and repairing industry. This decrease continues the decline in employment since 1991 with the exception of an increase during 1998.

According to the data published by the BLS, total average employment in the shipbuilding and repair industry has decreased steadily since 1991 and is projected to be at the lowest level in 50 years. 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, in 1998. The 2001 employment level in the U.S. shipbuilding and repairing industry is down 53 percent from the 1982 level of 171,600 people.

Exhibit 31

AVERAGE TOTAL EMPLOYMENT
IN U.S. PRIVATE SHIPYARDS



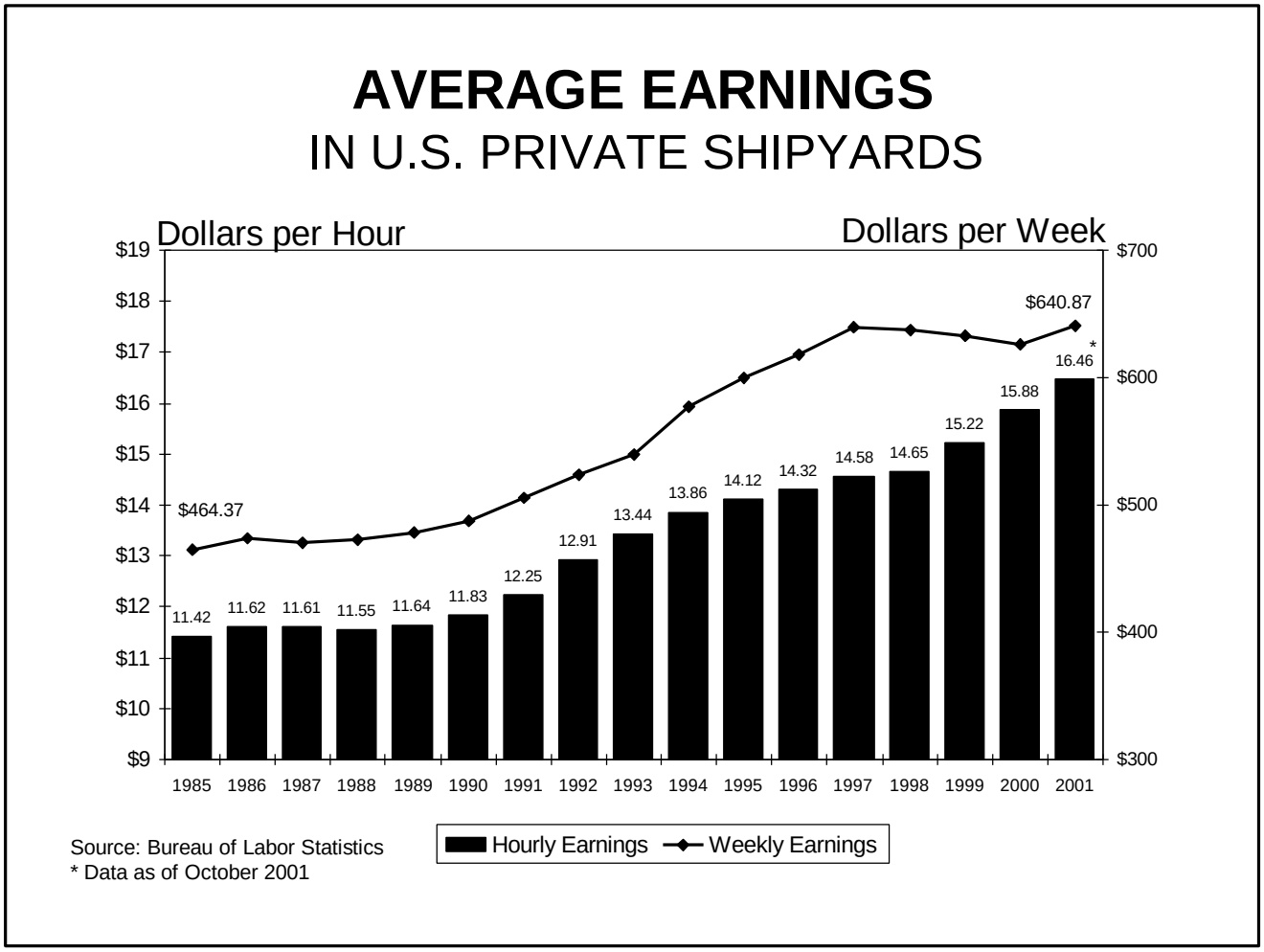
Source: Bureau of Labor Statistics
* Data as of October 2001

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 2001 show an increase from $11.42 to an average of $16.46 (Exhibit 32). During the same period, the average weekly earnings rose from $464.37 to $640.87.

Exhibit 32



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SHIPYARD ACTIVITY

REPORT SUMMARY

SHIPYARD ACTIVITY REPORT SUMMARY

SHIPYARD ORDERBOOK AS OF OCTOBER 1, 2001

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	-	13	-	-	4	-	34	52
Gulf Coast	-	2	2	-	154	4	-	16	3	136	317
West Coast	-	2	-	-	14	4	-	5	3	16	44
Great Lakes and Inland	-	-	-	-	337	-	-	11	-	12	360
TOTAL	**-**	**4**	**3**	**-**	**518**	**8**	**0**	**36**	**6**	**198**	**773**
SHIPS UNDER CONVERSION											
East Coast	-	-	-	-	-	-	-	-	-	-	-
Gulf Coast	-	-	-	-	-	-	-	1	-	-	1
West Coast	-	-	-	-	-	-	-	-	-	-	-
Great Lakes and Inland	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**-**	**1**

* GOVERNMENT PROJECTS EXCLUDING NAVY

TOTAL NUMBER OF UNDELIVERED VESSELS UNDER CONTRACT	774

CONTRACTS FOR NEW VESSELS (October 2000 – September 2001)

Alabama Shipyard, Inc.
- 2 Offshore Supply Vessels
- 1 ATB, Double-Hulled Barge
- 2 ATB Tugs
- 3 Barges

Allen Marine, Inc.
- 6 Ferries

Amherst Industries
- 1 Dock Barge

Austal, USA
- 2 Passenger Catamarans
- 2 Aluminum Crewboats

Bay Shipbuilding Company
- 2 Double Hull Tank Barges
- 1 Dump Scow
- 1 Passenger Vessel

Bender Shipbuilding and Repair Co., Inc.
- 2 Containerships
- 5 Offshore Supply Vessels
- 1 Crane Barge
- 1 Cargoship Conversion
- 1 Well Test Tank Barge

Blount-Barker Shipbuilding
- 1 Tug

Bollinger, Gretna
- 6 Double Hull Oceangoing Barges

Bollinger Marine Fabricators, LLC
- 1 Deck Barge
- 2 Liftboats
- 4 Oil Barges

Bollinger Shipyards, Inc.
- 16 Supply/Utility Vessels
- 1 Tug Boat
- 2 Liftboats
- 3 Coastal Patrol Boats

Breaux Brothers
- 4 Crewboats

Breaux's Bay Craft, Inc.
- 7 Crewboats

C & G Boat Works
- 4 Supply/Utility Vessels
- 2 Crewboats
- 1 Pushboat

Conrad Shipyard, Inc.
- 1 Deck Barge

Dakota Creek Industries, Inc.
- 2 Car/Passenger Ferries

Derecktor Shipyards Connecticut
- 1 Freight Boat
- 1 Yacht

Derecktor Shipyards New York
- 6 Passenger Ferries
- 1 Motor Yacht
- 1 Pilot Boat
- 1 Fisheries Research Vessel

Eastern Shipbuilding Group
- 2 Tugs
- 1 Cutter Dredge

Freeport Shipbuilding, Inc.
- 1 Crewboat
- 1 Catamaran

Gladding-Hearn Shipbuilding
- 7 Pilot Boats
- 5 Fast Ferries
- 1 Research Vessel

Gulf County Shipbuilding
- 1 Swath Cruise Ship

Gulf Craft, Inc.
- 1 Crewboat

Halter Marine Gulfport
- 3 Double-Hulled Oil Tank Barges
- 1 ATB Barge
- 4 Fast Patrol Craft

Halter Marine Lockport
- 1 Offshore Supply Vessel

Halter Marine Inc., Halter Pascagoula
- 2 Power Generating Barges
- 1 RO/RO Car/Truck Carrier

Halter Marine, Inc., Halter Moss Point
- 1 Logistic Support Vessel
- 3 ATB Tugs
- 1 ATB Barge
- 1 Fisheries Research Vessel

Halter, Port Bienville
- 2 ATB Barges

Houma Fabricators Inc.
- 6 Offshore Supply Vessels
- 1 Inland Towboat

Intermarine, Savannah
- 6 Yachts

Jeffboat, LLC
- 4 Rake Barges

John Bludworth Shipyard, LLC
- 5 Inland Tow Boats
- 2 Pushboats

Keith Marine
- 1 Dinner Cruise Boat

Kvichak Marine Industries
- 5 Fast Barges
- 1 Catamaran Ferry
- 4 Aluminum Catamarans
- 3 Patrol/Fire Boats
- 9 Oil Recovery Barges
- 1 Pilot Boat
- 1 Fast Barge

Leevac Industries, LLC
- 4 Offshore Supply Vessels

LeTourneau
- 1 Jackup Rig

Main Iron Works
- 1 Towboat
- 1 Tug
- 1 Scalloper

MAR COM
- 1 Ferry

MARCO, Seattle
- 2 Tractor Tugs

Marine Builders
- 1 Crane Barge
- 1 Dinner Cruise Boat

Marine Inland Fabricators
- 6 Push Boats
- 1 Deck Barge
- 1 Pilot Boat

Marinette Marine Corporation
- 3 Seagoing Bouy Tenders
- 2 Ocean Tugs

CONTRACTS FOR NEW VESSELS (October 2000 – September 2001)
(CONTINUED)

Master Boat Builders
- 8 Shrimpers
- 6 Offshore Supply Vessels

Mississippi Marine Corp.
- 1 Showboat

Modutech Marine, Inc.
- 1 Crewboat

National Steel Shipbuilding
- 1 Product Tanker

Neuville Boat Works
- 2 Crew/Supply Boats

Nichols Brothers
- 1 Steel Boat
- 1 Steam Boat (Sternwheeler)

North American Shipbuilding
- 4 Supply Anchor Handling Vessels

Northrop Grumman Ship Systems, Avondale Operations
- 2 Crude Tankers

Ocean Technical Services
- 1 Cargo Box Barge

Palmer Johnson Inc.
- 4 Motor Yachts

Quality Shipyards
- 2 Platform Supply Vessels

Rockland Marine
- 1 Deck Barge

Rodriguez Boat Builders, Inc.
- 2 Shrimpers

Seaark Marine, Inc.
- 6 Work Boats
- 3 Survey Boats
- 6 Patrol Boats

Seacraft Shipyard
- 1 Dive Yacht
- 1 Sportfishing Boat
- 1 Sightseeing Boat

SEMCO
- 1 Self-Elevating Liftboat

Senesco
- 1 Drydock
- 5 Deck Barges
- 1 Fuel Barge
- 1 Construction Barge
- 1 Dipper Dredge Barge
- 1 Chemical Barge
- 1 Oyster Cultivator Barge
- Multiple Pier Floats

Serodino Inc.
- 1 Towboat

Skipperliner Industries Inc.
- 1 Sidewheel Ferry

Sundial Marine
- 2 Grain Barges

Swiftships
- 2 Crew/Supply Boats

Textron Marine and Land Systems
- 2 LCACS (Landing Craft Air Cushion)

Trinity Ashland City
- 25 Rake Barges
- 4 Tank Barges

Trinity Caruthersville
- 32 Deck Barges
- 44 Box Hopper Barges
- 72 Rake Hopper Barges
- 111 Rake Barges

Trinity Madisonville
- 5 Rake Barges
- 5 Box Barges
- 2 Bunkering Barges

Trinity Port Allen
- 180 Rake Hopper Barges
- 11 Tank Barges
- 45 Box Hopper Barges

Trinity Yachts
- 7 Motor Yachts

United States Marine, Inc.
- 12 Rigid Inflatable Boats
- 1 Special Ops Monohull Boat

Verret Shipyard
- 1 Tow Boat

Washburn & Doughty Assoc., Inc.
- 1 Offshore Motor Vessel
- 1 Z-Drive Tug

Zidell Marine Corporation
- 1 Petroleum Barge

VESSELS DELIVERED (October 2000 – September 2001)

A & B Industries
1 Tow Boat
1 Tug
Alabama Shipyard, Inc.
1 Dump Scow
Alaska Ship and Drydock
1 Ferry
Allen Marine
2 Ferries
American Shipyard Co., LLC
2 Passenger Ferries
AMFELS
1 Semi-submersible Multipurpose Rig
1 TLP
Amherst Industries
1 Dock Barge
Atlantic Marine – Jacksonville
1 Coastal Cruise Ship
Basic Marine
3 Barges
Bay Shipbuilding
1 Passenger Vessel
Bender Shipbuilding and Repair Co., Inc.
1 Well Test Barge
Blount-Barker Shipbuilding Corp.
2 Sightseeing Vessels
1 Harbor Tug
Bollinger Marine Fabricators, LLC
2 Deck Barges
1 Utility Vessel
Bollinger Shipyards, Inc.
9 Coastal Patrol Boats
2 Tow Boats
13 Utility Vessels
Breaux Brothers
1 Fishing Vessel
1 Water Taxi
4 Crewboats
Breaux's Bay Craft, Inc.
4 Crewboats

C & G Boat Works
1 Crewboat
Conrad Shipyard, Inc.
5 Barges
2 Hopper Barges
1 Drydock
Derecktor Shipyards New York
1 Ferry
1 Yacht
Diversified Marine, Inc.
1 Z-Drive Tug
Eastern Shipbuilding Group
1 Tug
Freeport Shipbuilding, Inc.
1 Pilot Boat
Friede Goldman Offshore East
1 Drilling Rig
Gladding-Hearn Shipbuilding
4 Ferries
1 Pilot Boat
Gulf Craft, Inc.
9 Crew/Supply Boats
Gunderson, Inc.
1 Rail Barge
Halter Marine Lockport Division
2 Tugboats
1 Z-Drive Tug
1 Yacht
Halter Marine, Inc. Halter Pascagoula
2 Barges
1 Drilling Rig
1 Oceanographic Survey (T-AGOS)
Hope Services, Inc.
2 Pushboats
Horizon Shipbuilding, Inc.
2 Aluminum Crewboats
1 Oil Response Vessel
1 Survey, Aluminum Vessel
1 Z-Drive Tug
Houma Fabricators Inc.
2 Towboats

Intermarine Savannah
2 Motor Yachts
J.M. Martinac Shipbuilding Corp.
1 Sailing Ship
Jeffboat, LLC
88 Rake Barges
15 Rake Hopper Barges
9 Rake Open Hopper Barges
7 Rake Tank Barges
1 Box Barge
John Bludworth Shipyard
2 Pushboats
Kody Marine, Inc.
3 Switchboats
Kvichak Marine Industries, Inc.
8 Barges
1 Excursion Boat
1 Oil Spill Response Vessel
5 Aluminum Catamarans
Leevac Industries, LLC
2 Offshore Supply Vessels
Main Iron Works, Inc.
1 Tug
1 Towboat
MARCO Shipyard, Seattle
1 Pilot Boat
Marine Builders
1 Barge
Marine Inland Fabricators
13 Barges
1 Barge Ferry Ramp
1 Pilot House
10 Push Boats
1 Dredge Tender
1 Rerry Ramp
1 Hopper Barge
1 Spud Barge
Marinette Marine Corporation
3 Seagoing Buoy Tenders
Master Boat Builders, Inc.
18 Shrimpers
1 Supply Vessel

VESSELS DELIVERED (October 2000 – September 2001)
(CONTINUED)

Master Marine Inc.
1 Offshore Supply Vessel
1 Shrimper
National Steel & Shipbuilding Co.
2 T-AKR's (Sealift)
Neuville Boat Works, Inc.
1 Crew/Supply
Newpark Shipbuilding, Pelican Island
3 Barges
Nichols Brothers Boat Builders, Inc.
2 Catamaran Ferries
North American Shipbuilding Co.
1 Barge
Northrop Grumman Ship Systems,
Avondale Operations
2 T-AKRS (Sealift)
1 Crude Tanker
Orange Shipbuilding Co., Inc.
3 Tugs
2 Liftboats
1 Drydock
Patti Shipyard, Inc.
1 Accommodation Barge
1 Ocean Tug
Progressive Industrial
1 Towboat
Red Fox Companies
1 Barge
Rodriguez Boat Builders, Inc.
1 Yacht
5 Shrimpers
Rozema Boat Works
4 Oil Spill Response Vessels
Seaark Marine, Inc.
7 Patrol, Aluminum Boats
15 Work Boats
3 Survey Boats
1 Emergency Response Boat

Seacraft Shipyard Corp.
1 Sightseeing Boat
SEMCO
1 Liftboat
Serodino Inc.
1 Barge
1 Ferry
Skipperliner Industries Inc.
1 Sidewheel Ferry
Southeastern New England Shipbuilding
Corp. (SENESCO)
10 Barges
Sun State Marine Services, Inc.
1 Landing Craft
Swiftships Shipbuilders, LLC.
3 Crew/Supply Boats
Thoma-Sea Boat Builders, Inc.
1 Offshore Supply Vessel
Trinity Ashland City
2 Double-Skinned Box Tank Barges
2 Double-Skinned Rake Clean Oil
Tank Barges
15 Double-Skinned Rake Tank Barges
Trinity Caruthersville
59 Box Hopper Barges
22 Deck Barges
22 Rake Hopper Barges
50 Hopper Barges
Trinity Madisonville
8 Clean Oil Tank Barges
2 Box Tank Barges
2 Lead Rake Barges
2 Rake / Box Tank Barges
Trinity Port Allen
6 Tank Barges
45 Box Hopper Barges
43 Rake Hopper Barges
Trinity Yacht
2 Yachts

United States Marine, Inc.
14 Rigid Inflatable Boats
1 Monohull Medium Boat
Verret Shipyard
1 Towboat
Washburn & Doughty Assoc., Inc.
2 Z-Drive Tugs
Western Towboat Company
1 Tug
Zidell Marine Corporation
1 Barge

APPENDIX A

STANDARD FORM 17

FACILITIES AVAILIABLE FOR THE CONSTRUCTION OR REPAIR OF SHIPS

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Standard Form 17 (Rev. 9-96)

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

FACILITIESAVAILABLEFOR THE CONSTRUCTIONOR REPAIROF SHIPS

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

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

DATE

TO: *(Complete departmental address)*

SHIPYARD AND ADDRESS

INSTRUCTIONS

Forward original copy to appropriate Department of Defense Office or Maritime Administration, Washington, D.C.

BUILDING WAYS (M.L.W.)

NO. OF WAY	LAUNCHING *(X one)*		DIMENSIONS	MAXIMUM SHIP SIZE *(Ton 2,240 lbs.)*	DEPTH OF WATER: OVER WAY END	DEPTH OF WATER: AT DROP OFF	CONDITION OF WAY	CRANES SERVING WAY: NO.	CRANES SERVING WAY: TYPE *(Plus hook height for bridge cranes)*	CRANES SERVING WAY: LIFT CAPACITY *(Std. tons)*
		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						
		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 *(Difference M.L.-M.H.)*	IS FIRE PROTECTION AVAILABLE ON BUILDING WAY? ☐ YES ☐ NO	IS SNUBBING NECESSARY? ☐ YES ☐ NO

Merchant Marine Act of 1936, as amended.

PREVIOUS EDITIONS ARE OBSOLETE.

Designed using Perform Pro, WHS/DIOR, Sep 96

SHIP'S BERTHS (Piers, Wharves, Bulkheads, Mooring Dolphins (M.L.W.))

NO.	TYPE	LENGTH (Actual and Usable)	WATER DEPTH		HEIGHT OF DOCK	USE REPAIR AND/OR OUTFITTING	SERVICE AVAILABLE (Use abbreviations of services and units of measure notated under legend)	CRANES SERVING BERTHS, ETC.		
			INBOARD	OUTBOARD				NO.	TYPE (Hook height above M.L.W.)	LIFT CAPACITY (Std. tons)
		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 (Ton 2,240 lbs.)
			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

PRINCIPAL SHOPS AND BUILDINGS						ALL OTHER SHOPS *(List names and dimensions, include mold loft, if any)*
NAME OF SHOP OR BUILDING	DIMENSIONS OF SHOP OR BUILDING	MATERIALS PROCESSED *(See Note)*	LARGEST EXIT		WEIGHT OF MATERIAL OR NUMBER AND SIZE OF UNITS PRODUCED PER 8 HOURS *(See Note)*	
			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 *(5 tons or over)*												
BRIDGE TYPE				STATIONARY, RAIL OR MOBILE								
CAP. *(Std. tons)*	MAX. SPAN	HEIGHT OF HOOK	AREA/SHOP SERVICED	TYPE	CAP. *(Std. tons)*	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 *(Sq. ft.)*	**WELDING AND ASSEMBLY** *(Sq. ft.)*

ACREAGE LEGALLY CONTROLLED		
IN USE	**DEVELOPED** *(Including in use)*	**TOTAL** *(Including undeveloped)*

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 ☐ YES ☐ NO	
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 ( ).

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)*

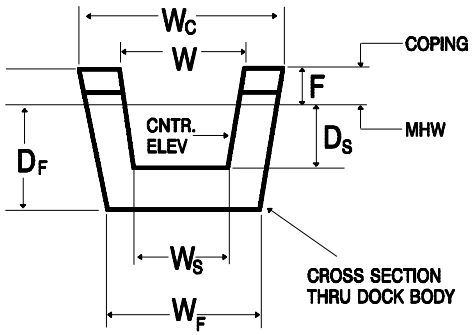
PROJECTS UNDER CONSTRUCTION WHICH WILL ALTER NAVIGATIONAL RESTRICTIONS *(Specify projects and state effect and estimated completions.)*

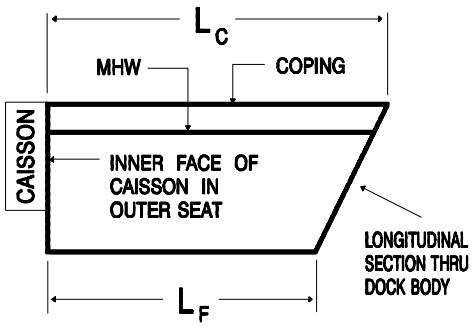
DESCRIPTION OF TYPES OF WORK NORMALLY SUBCONTRACTED

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.)

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 superflooded.

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

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	

APPENDIX B

MAJOR U.S. SHIPBUILDING,

REPAIR (WITH DRYDOCKIING),

AND TOPSIDE REPAIR FACILITIES

MAJOR U.S. 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.

Shipyards With Build Positions

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 (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. ***These shipyards may also be capable of constructing vessels less than 122 meters in length.***

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 ships of 122 meters in length or over. ***These shipyards may also be capable of constructing and/ordrydocking 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. SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Active Shipbuilding Yards

Bath Iron Works Corp. 700 Washington Street Bath, ME 04530	213 X 26 SW 219 X 34 SW 219 X 39 SW 232 X 40 SW 259 X 40 SW 366 X 40 SW 244 X 40 FD	259 899	1/ Construction, repair and conversion. 2/ 6,823
Electric Boat Corporation 75 Eastern Point Road Groton, CT 06340-4989	(4) 134 X 10 SW 174 X 24 LL 151 X 20 GD 180 X 26 GD 183 X 27 GD	229 1,067	1/ Construction of submarines for the U.S. Navy. 2/ 9,239
Kvaerner Philadelphia Shipyard, Inc. Philadelphia Naval Business Center Philadelphia, PA 19112	(2) 330 X 43 GD	200 200	1/ New construction. 2/ 720

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Active Shipbuilding Yards

Newport News Shipbuilding 4101 Washington Avenue Newport News, VA 23607-2770	(4) 183 X 12 LL 139 X 21 GD ** 159 X 21 GD ** 197 X 27 GD ** 262 X 31 GD ** 292 X 37 GD * 334 X 41 GD * 661 X 75 GD * 195 X 41 FD	509 / 2,972	1/ Construction, repair and conversion. 2/ 16,968 * Used for construction. ** Used for repair and overhaul.

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Other Shipyards with Building Positions

Atlantic Dry Dock Corp. 8500 Heckscher Drive Jacksonville, FL 32226-2400	137 X 23 SW 76 X 12 SW 189 X 26 FD 137 X 23 MR 76 X 12 MR	310 502	1/ Construction, repair and overhaul of small and medium size vessels. 2/ 781 AFDM-7 "Sustain" ex Navy dock
Baltimore Marine Industries, Inc. 600 Shipyard Road Baltimore, MD 21219	(2) 244 X 32 SW 351 X 58 GD 269 X 40 FD	360 1,594	1/ Conversion and repair with major shipbuilding capability. 2/ 500
Intermarine Savannah 301 N. Lathrop Ave. Savannah, GA 31415	55 X 12 LL 152 X 17 GD * 56 X 12 MR	244 457	1/ Construction and repair. 2/ 253 * Can accomodate ship up to 366 meters in length.

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Repair Yards with Drydock Facilities

Bayonne Dry Dock & Repair Corporation Brooklyn Navy Yard, Bldg #386 Bayonne, NJ 07002	323 X 42 GD		1/ General ship repair with drydocking. 2/ 54
Caddell Dry Dock & Repair Co., Inc. P.O. Box 327 Staten Island, NY 10310	101 X 18 FD 137 X 25 FD 55 X 15 FD 55 X 15 FD 78 X 16 FD 78 X 20 FD 80 X 13 FD	169 770	1/ General ship repair. 2/ 185
Colonna's Shipyard, Inc. 400 East Indian River Road Norfolk, VA 23523	195 X 25 FD 104 X 18 MR 110 X 21 MR 56 X 13 MR 64 X 11 MR	274 1,545	1/ General ship repair. 2/ 297
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 1,913	1/ General ship repair and conversion. 2/ 500 * Leased from Charleston Naval Shipyard Redevelopment Association.

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Repair Yards with Drydock Facilities

Detyens Shipyards, Inc., Wando Division 2383 Hwy 41 Mt. Pleasant, SC 29466	152 X 20 FD	122 545	1/ General ship repair. 2/ 95
Eastern Technical Enterprises, Inc. Drydock No. 4, Brooklyn Navy Yard Brooklyn, NY 11205	105 X 18 GD 219 X 34 GD	213 213	1/ General ship repair. 2/ 41
Economic Development & Industrial Corp. of Boston 43 Hawkins St. Boston, MA 02210	351 X 34 GD	49 49	1/ General ship repair. 2/ 0
GMD Shipyard Corp. Brooklyn Navy Yard, Bldg. #386 Brooklyn, NY 11205	(2) 332 X 43 GD	233 503	1/ General ship repair. 2/ 136
Metro Machine Corp. 200 Ligon Street Norfolk, VA 23501	206 X 29 FD	239 885	1/ General ship repair and conversion. 2/ 470
Metro Machine Corporation - Philadelphia Division Philadelphia Naval Business Center Philadelphia, PA 19112	219 X 24 GD 300 X 34 GD	341 1,195	1/ General ship repair and conversion. 2/ 222

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Repair Yards with Drydock Facilities

Norfolk Shipbuilding & Drydock Corp., Berkeley 750 West Berkley Avenue Norfolk, VA 23501-2100	229 X 29 FD 305 X 48 FD	442 / 1,901	1/ Ship repair and conversion. 2/ 1,000
North Florida Shipyard, Inc. P.O. Box 3255 Jacksonville, FL 32206	122 X 17 FD	290 / 966	1/ Ship repair and conversion. 2/ 496

MAJOR U.S. 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 LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Longest Total Linear	1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Topside Repair Yards

American Shipyard Co. LLC 1 Washington Street Newport, RI 02840-0943	91 X 19 SW 24 X 7 TR 46 X 12 TR 21 X 20 FD 91 X 19 MR	366 954	1/ General ship repair. 2/ 76
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	137 439	1/ General ship repair and overhaul. 2/ 85
Marine Hydraulics International, Inc. 543 East Indian River Road Norfolk, VA 23523		183 457	1/ General ship repair. 2/ 224
Metal Trades, Inc. 1210 Truxtun Avenue, Bldg. 2 N. Charleston, SC 29405	23 X 10 TR 23 X 9 MR 63 X 18 MR 91 X 18 MR	320 831	1/ General ship repair. 2/ 212
Moon Engineering Co., Inc. 2 Harper Avenue Portsmouth, VA 23707-0909		244 1,037	1/ General ship repair. 2/ 145

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

EAST COAST

Topside Repair Yards

Norfolk Shiprepair & Drydock Corp. Foot of Claiborne Avenue Norfolk, VA 23504	137 X 22 MR 78 X 12 MR	183 1,106	1/ General ship repair. 2/ 199
Promet Marine Services Corp. 242 Allens Avenue Providence, RI 02905	46 X 10 TR	183 366	1/ General ship repair. 2/ 40
Reynolds Shipyard Corp. 200 Edgewater Street Staten Island, NY 10305		134 134	1/ General ship repair. 2/ 10
Steel Style, Inc. 401 S. Water Street Newburgh, NY 12550	43 X 15 MR 91 X 30 MR	183 335	1/ General ship repair. 2/ 15
The General Ship Repair Corp. 1449 Key Highway Baltimore, MD 21230	30 X 15 LL 61 X 18 FD	146 271	1/ General ship repair. 2/ 50
The Hinckley Company One Little Harbor Landing Portsmouth, RI 02871	(2) 24 X 5 MR 40 X 9 MR	244 488	1/ General ship repair. 2/ 220

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GULF COAST

Active Shipbuilding Yards

Halter Marine, Inc. Halter Pascagoula 5110 Washington Avenue Pascagoula, MS 39568-1328	160 X 32 SW 229 X 30 SW	274 762	1/ Construction of ships, oil rigs and repair. 2/ 136
Northrop Grumman Ship Systems, Avondale Operations Mail Station 91 Avondale, LA 70150-0280	265 X 38 SW * 311 X 53 SW *** (2) 265 X 38 LL ** (2) 311 X 53 LL ** 229 X 35 FD * 305 X 66 FD **	521 1,431	1/ Modular ship construction, conversion, and repair. 2/ 5,388 * Upper main yard. ** Lower main yard. Can accomodate ship up to 366 meters in length. *** Westwego Plant.
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 *	792 1,758	1/ Construction, repair and conversion. 2/ 10,120 * West Bank can only launch ships up to 259 X 53 meters. Land Level Positions constrained by launching capability.

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GULF COAST

Other Shipyards with Building Positions

Alabama Shipyard, Inc. P.O. Box 3201 Mobile, AL 36652	290 X 50 LL	328 642	1/ Conversion, repair and major shipbuilding capability. 2/ 649
AMFELS, Inc. 20000 Highway 48 Brownsville, TX 78523	335 X 122 LL 183 X 30 FD	610 610	1/ Offshore oil rigs with major shipbuilding capability. 2/ 1,604
Bender Shipbuilding and Repair Co., Inc. 265 South Water Street Mobile, AL 36603	122 X 24 SW (2) 34 X 12 SW 61 X 13 SW 61 X 14 SW (2) 76 X 14 SW 106 X 16 FD 119 X 14 FD 167 X 27 FD 196 X 36 FD	258 1,151	1/ Construction, repair and conversion of ships and small vessels. 2/ 985
Friede Goldman Offshore East 600 Louise Street Pascagoula, MS 39581	165 X 160 SW 111 X 60 FD	610 610	1/ Repair and modification to oil rigs. 2/ 1,615
Halter Moss Point 5801 Elder Ferry Road Moss Point, MS 39562	110 X 23 LL 122 X 30 LL	140 288	1/ Construction, repair and conversion. 2/ 162

MAJOR U.S. 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 LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Longest: Total Linear	1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GULF COAST

Other Shipyards with Building Positions

Newpark Shipbuilding, Galveston 6800 Harborside Drive Galveston, TX 77554	183 X 30 SW 102 X 12 FD 24 X 9 FD 56 X 12 FD 61 X 12 FD 61 X 21 FD	305 777	1/ Construction, repair and conversion. 2/ 250
Tampa Bay Shipbuilding & Repair Company 1130 McClosky Blvd. Tampa, FL 33605	(2) 227 X 37 GD 273 X 45 GD	229 421	1/ Full service conversion and repair facility. 2/ 325
United Marine Enterprise, Inc. Port Arthur Shipyard P.O. Box 22077 Beaumont, TX 77720	122 X 61 LL	488 488	1/ Construction and repair of ships and offshore vessels. 2/ 168

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **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	345 962	1/ Ship repair and conversion. 2/ 781
Bollinger Gulf Repair P.O. Box 8126 New Orleans, LA 70182-8126	152 X 23 SW 91 X 15 SW 107 X 26 FD 122 X 34 FD 133 X 18 FD 229 X 32 FD 67 X 15 FD	549 549	1/ Construction and repair of offshore oil vessels and barges. 2/ 125
Bollinger Houston 8114 Hockley Houston, TX 77262-5065	213 X 27 SW 122 X 24 FD * 33 X 16 FD 37 X 12 FD 43 X 16 FD 52 X 16 FD 67 X 24 FD	152 335	1/ General ship repair. 2/ 94 * Two drydocks are combined.
FGO Texas D.O.C. Yard 2500 Martin Luther King Blvd Port Arthur, TX 77640	240 X 37 FD	206 206	1/ Construction, conversion and repair of offshore vessels. 2/ 148

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GULF COAST

Repair Yards with Drydock Facilities

Gulf Marine Repair Corp. 1200 Sertoma Drive Tampa, FL 33605	107 X 24 FD 168 X 24 FD 61 X 15 FD	366 / 747	1/ Ship repair and overhaul. 2/ 145
Halter Port Bienville P.O. Box 529 Lake Shore, MS 39558	122 X 30 SW 183 X 30 SW 152 X 40 GD	305 / 305	1/ Barge construction and repair. 2/ 152
International Ship Repair & Marine Services, Inc 1616 Penny Street Tampa, FL 33605-6058	145 X 29 FD 198 X 29 FD 76 X 13 FD 76 X 29 FD 76 X 32 FD	549 / 1,158	1/ General ship repair. 2/ 212

MAJOR U.S. 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 LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Longest Total Linear	1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GULF COAST

Topside Repair Yards

Boland Marine & Mfg. Co., Inc. P.O. Box 53287 New Orleans, LA 70153		305 305	1/ General ship repair and conversion. 2/ 75
Bollinger Algiers, LLC P.O. Box 6068 New Orleans, LA 70114	107 X 20 FD 91 X 20 FD	122 122	1/ Repairs towboats, barges and vessels to 76 meters. 2/ 26
Bollinger Calcasieu PO Box 129 Sulphur, LA 70664	26 X 9 SW 76 X 23 SW (2) 91 X 15 FD 91 X 16 FD 63 X 23 MR	137 408	1/ Repair and drydocking of small vessels. 2/ 96
Bollinger Lockport, LLC 8365 Hwy 308 South Lockport, LA 70374-0250	(2) 76 X 30 SW 20 X 5 MR 20 X 7 MR 27 X 9 MR 37 X 10 MR 49 X 12 MR	488 488	1/ General ship repair. 2/ 810

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**
GULF COAST			
Topside Repair Yards			
Bollinger Texas City 2201 Dock Road, Dock 42 Texas City, TX 77590	55 X 24 FD 67 X 16 FD 67 X 24 FD	168 / 168	1/ General ship repair. 2/ 73
CBH Services, Inc. 200 Pier Pond Orange, TX 77630		229 / 229	1/ General ship repair. 2/ 60
Dixie Machine Welding & Metal Works, Inc. 1031 Annunciation Street New Orleans, LA 70130		406 / 406	1/ General ship repair. 2/ 57
FGO Texas Orange Yard 91 West Front Street Orange, TX 77630		671 / 671	1/ Construction, conversion and repair to offshore vessels. 2/ 564
Gulf Copper & Manufacturing Corp. P.O. Box 547 Port Arthur, TX 77640	76 X 18 SW	262 / 524	1/ General ship repair. 2/ 82
Hendry Corp. 5107 S. Westshore Blvd. Tampa, FL 33611	72 X 12 FD	305 / 305	1/ General ship repair. 2/ 55

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GULF COAST

Topside Repair Yards

Houston Ship Repair, Inc., Brady Island Ship Repair Facility 8510 Cypress Street Houston, TX 77012		259 / 701	1/ General ship repair and conversion. 2/ 115
Newpark Shipbuilding & Repair, Inc., Brady Island 8502 Cypress Street Houston, TX 77012	46 X 22 FD 55 X 22 FD 68 X 26 FD 61 X 15 MR 91 X 21 MR	305 / 671	1/ General ship repair and small vessel construction and repair. 2/ 200
Newpark Shipbuilding & Repair, Inc., Pasadena 1600 North Witter Pasadena, TX 77506	24 X 9 FD 36 X 15 FD 49 X 20 FD 61 X 22 FD 68 X 20 FD	305 / 777	1/ General ship repair and small vessel construction and repair. 2/ 150
Newpark Shipbuilding, Pelican Island 2920 Newpark Rd. Galveston, TX 77554	116 X 32 FD	343 / 998	1/ General ship repair. 2/ 350
Northrop Grumman Ship Systems, Avondale Operations, Algiers Division 5100 River Road Avondale, LA 70094		588 / 1,081	1/ Ship conversion, repair and overhaul. 2/ 7

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GULF COAST

Topside Repair Yards

Orange Shipbuilding Co., Inc. 710 Market Street Orange, TX 77631-1670	91 X 23 SW	183 / 259	1/ General ship repair and small vessel construction. 2/ 120
Sabine Shipyard, Inc. Box 405 Sabine Pass, TX 77655		163 / 227	1/ Repairs offshore oil rigs. 2/ 5

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

WEST COAST

Active Shipbuilding Yards

National Steel & Shipbuilding Co. P.O. Box 85278 San Diego, CA 92186-5278	(2) 290 X 34 SW 303 X 41 GD * 290 X 42 FD	305 / 2,210	1/ Construction, repair and conversion. 2/ 2,925 NASSCO Longbuilder * Graving dock and piers at U.S. Naval Station, San Diego.

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

WEST COAST

Other Shipyards with Building Positions

Gunderson, Inc. 4350 Northwest Front Avenue Portland, OR 97210	223 X 32 SW	335 / 335	1/ Construction, repair and conversion. 2/ 135
Todd Pacific Shipyards Corp. 1801 16th Avenue, S.W. Seattle, WA 98134	(2) 137 X 18 SW 128 X 19 FD 198 X 26 FD 287 X 41 FD	427 / 1,834	1/ Repair and conversion with major shipbuilding capabilitiy. 2/ 792 * Max. ship size is 137 X 29 meters using two 137 X 18 meter SWs.

MAJOR U.S. 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 LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Longest Total Linear	1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

WEST COAST

Repair Yards with Drydock Facilities

Bellingham Bay Shipyard, LLC 201 Harris Street Bellingham, WA 98225-7018	122 X 17 FD 61 X 13 FD 37 X 11 MR	213 351	1/ Ship and vessel repair. 2/ 62
Cascade General, Inc. 5555 North Channel Avenue, Bldg 71 Portland, OR 97217	182 X 26 FD 247 X 34 FD	427 4,002	1/ General ship repair. 2/ 706
Lake Union Drydock Co. 1515 Fairview Avenue, East Seattle, WA 98102-3791	122 X 17 FD 73 X 14 FD	381 750	1/ General ship repair and conversion. 2/ 107
MAR COM, Inc. 8970 N. Bradford Street Portland, OR 97203	91 X 15 SW 91 X 23 SW 126 X 17 FD	122 174	1/ General ship repair and construction. 2/ 146
San Francisco Drydock, Inc. Foot of 20th Street San Francisco, CA 94120	186 X 26 FD 290 X 44 FD	250 809	1/ Ship repair and overhaul. 2/ 250

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers: Longest / Usable Length	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Longest / Total Linear	1/ Type of work usually engaged in 2/ Employment - Mid 2001 **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	126 X 19 FD 200 X 31 FD	213 / 604	1/ Ship repair, overhaul and conversion. 2/ 670 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	201 / 769	1/ Ship repair, overhaul and converision. 2/ 72

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**
WEST COAST			
Topside Repair Yards			
Bay Ship & Yacht Co. Alameda 2900 Main Street Alameda, CA 94501	119 X 16 FD 49 X 9 FD	213 503	1/ General ship repair. 2/ 156
Bay Ship & Yacht Co. Richmond 2900 Main Street Alameda, CA 94501	24 X 7 TR	488 892	1/ General ship repair. 2/ 20
Continental Maritime of San Diego, Inc. 1995 Bay Front Street San Diego, CA 92113-2122		213 1,082	1/ General ship repair. 2/ 412 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 38 X 12 MR 107 X 22 SL	305 477	1/ General ship repair. 2/ 250
Foss Shipyard d.b.a. Foss Maritime Company 660 West Ewing Street Seattle, WA 98119	61 X 13 FD 66 X 18 FD	146 715	1/ Vessel repair, alteration, and overhaul. 2/ 123

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

WEST COAST

Topside Repair Yards

Pacific Fishermen, Inc. 5351 24th Avenue, N.W. Seattle, WA 98107	37 X 7 MR 45 X 10 MR 49 X 11 SL	152 / 152	1/ General repair of large vessels. 2/ 58
San Pedro Boat Works Berth 44, Outer Harbor San Pedro, CA 90731	11 X 9 SW (2) 12 X 8 SW 14 X 8 SW 18 X 8 SW 20 X 8 SW 23 X 8 SW (7) 27 X 8 SW 61 X 12 SW (2) 61 X 12 FD	189 / 189	1/ General ship repair. 2/ 75

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **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 N. Third Avenue Sturgeon Bay, WI 54235	223 X 32 SW 305 X 32 GD 55 X 12 GD 195 X 21 FD	305 / 2,163	1/ Ship construction, repair and conversion. 2/ 350
Fraser Shipyards, Inc. Third Street & Clough Avenue Superior, WI 54880	189 X 18 GD 252 X 25 GD	274 / 527	1/ Construction, repair and conversion. 2/ 43
Marinette Marine Corporation 1600 Ely Street Marinette, WI 54143-0118	122 X 24 LL 46 X 15 LL (3) 76 X 15 LL 76 X 20 LL 91 X 20 LL 37 X 9 SL	651 / 651	1/ Construction and repair of small vessels. 2/ 781
Metro Machine Corporation - Industrial Products Division Foot of Holland Street Erie, PA 16507	305 X 32 GD	366 / 860	1/ Construction, repair and conversion. 2/ 35

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers: Longest / Usable Length	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **Lengths are in Meters**

GREAT LAKES

Repair Yards with Drydock Facilities

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

Toledo Ship Repair Co., Toledo Shipyard 2245 Front Street Toledo, OH 43605-1231	152 X 21 GD 223 X 22 GD	183 / 305	1/ Ship repair and conversion. 2/ 200

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

Shipyard Name and Address	Maximum Ship Size (LOA X Beam) SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift	Berths/Piers Usable Length Longest Total Linear	Remarks 1/ Type of work usually engaged in 2/ Employment - Mid 2001 **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		226 451	1/ General ship repair. 2/ 49
Nicholson Terminal & Dock Co. P.O. Box 18066 River Rouge, MI 48218	69 X 16 FD	701 1,097	1/ General ship repair. 2/ 9

MAJOR U.S. 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 / Longest: Total Linear	Remarks
	SW--Shipway LL--Land Level Position GD--Graving Drydock FD--Floating Drydock MR--Marine Railway SL--Syncrolift TR--Travel Lift		1/ Type of work usually engaged in 2/ Employment - Mid 2001 **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	366 / 366	1/ Ship and vessel repair. 2/ 150
Honolulu Shipyards, Inc. P.O. Box 30989 Honolulu, HI 96820	122 X 29 FD 55 X 23 FD	213 / 213	1/ General ship repair and overhaul. 2/ 224
Marisco, Ltd. 91-607 Malakole Road Kapolei, HI 96707	116 X 16 FD 152 X 24 FD *	34 / 34	1/ General ship repair. 2/ 111 * Leased from Port Commission.

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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 commercial and military 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 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. SHIPYARDS

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

Boatbuilding and Repair Companies

EAST COAST

Chesapeake Shipbuilding Corp. 710 Fitzwater Street Salisbury, MD 21801			Construction of small excursion and passenger vessels.
Derecktor Shipyards Connecticut 837 Seaview Avenue Bridgeport, CT 06607-1607			Builds small boats.
Gladding-Hearn Shipbuilding One Riverside Avenue Somerset, MA 02726-0300	61 X 15 SW	38 38	Construction of small vessels including catamaran ferries.
Southeastern New England Shipbuilding Corp. (SENESCO) 10 MacNaught Street, P.O. Box 377 North Kingtown, RI 02852	(2) 91 X 30 SW		Builds barges.
Yank Marine Mosquito Landing Road Tuckahoe, NJ 08250			Builds and repairs small vessels.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

A & B Industries P.O. Box 1137 Amelia, LA 70340	30 X 9 SW 30 X 17 FD	70 177	Maritime vessel construction and repair.
Allied Shipyard, Inc. P.O. Box 1240 La Rose, LA 70373	(2) 22 X 8 SW 57 X 14 FD (2) 52 X 12 MR	55 258	Construction, repair and conversion of small vessels.
Austal USA PO Box 1049 Mobile, AL 36633			Builds ferry catamarans and small boats.
Bollinger Gretna 4640 Peters Road Harvey, LA 70058	152 X 29 GD 67 X 17 FD	396 743	Construction of small vessels.
Bollinger Larose, LLC P.O. Box 1410 Larose, LA 70373	107 X 15 FD 101 X 24 MR	229 527	Repair of small marine vessels.
Bollinger Marine Fabricators, LLC P.O. Box 1609 Amelia, LA 70340	91 X 46 SW	152 777	Construction and repair of small vessels.
Bollinger Morgan City, LLC P.O. Box 2628 Morgan City, LA 70381	122 X 30 FD		Repair of small boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Bollinger Quick Repair, LLC 615 Destrehan Ave. Harvey, LA 70058	(2) 46 X 18 FD		Repair of small boats.
Breaux Brothers P.O. Box 550 Loreauville, LA 70552-0550			Construction of small boats.
Breaux's Bay Craft, Inc. P.O. Box 306 Loreauville, LA 70552			Construction of small boats.
C & G Boat Works 8685 E. Davenport Street La Batre, AL 36509-2115			Boat building and repair.
Conrad Shipyard, Inc. P.O. Box 790 Morgan City, LA 70381	46 X 15 SW (2) 46 X 12 FD	610 774	Construction of small vessels.
Crumpler's Shipbuilding Company, Inc. P.O. Box 2067 Orange, TX 77631	46 X 14 FD	70 70	Boat building and refurbishing.
Eastern Shipbuilding Group P.O. Box 960 Panama City, FL 32402			Construction and repair of small vessels.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Freeport Shipbuilding, Inc. P.O. Box 49 Freeport, FL 32439-0049	91 X 23 LL 30 X 9 MR		Construction of passenger vessels and work boats.
Friede Goldman Offshore, West 3400 Litton Road Pascagoula, MS 39568			Repair of offshore oil rigs.
GEO Shipyards P.O. Box 9622 New Iberia, LA 70562			Construction of small vessels.
Halter Marine Gulfport 13085 Seaway Road Gulfport, MS 39503	110 X 24 SW	52 52	Construction of barges and conversion of drill rigs.
Halter Marine Lockport Division 6130 Highway 308 Lockport, LA 70374	91 X 20 SW	70 280	Construction of small vessels.
Halter Panama City 6100 Halter Marine Drive Panama City, FL 32404	61 X 37 SW	128 128	Construction of small vessels.
Horizon Shipbuilding, Inc. 13980 Shell Road Bayou La Batre, AL 36509			Construction and repair of marine vessels.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Houma Fabricators Inc. 1100 Oak St. Houma, LA 70363	91 X 23 SW	107 107	Construction of small vessels.
Inland Boat Works 2842 E. Roundbunch Road Orange, TX 77630			Construction of small boats and barges.
Intracoastal City Drydock & Shipbuilding, Inc. 18938 Live Oak Road Abbeville, LA 70510			Repairs small boats.
John Bludworth Shipyard, LLC P.O. Box 2441 Corpus Christi, TX 78403	107 X 25 FD	35 101	Barge construction and repair of small boats.
Kody Marine, Inc. 600 Peters Road Harvey, LA 70058-1705			Builds small boats.
LEEVAC Industries, LLC P.O. Box 1190 Jennings, LA 70546	(2) 128 X 27 SW 147 X 23 GD 91 X 18 FD	305 488	Construction, repair and conversion of small boats.
Mississippi Marine Corp. 2219 Harbor Front Road Greenville, MS 38702-0539	46 X 15 SW 122 X 18 FD		Construction and repair of inland and offshore marine vessels.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Moss Point Marine, Inc. 7801 Trinity Drive Escatawapa, MS 39552	162 X 25 SW	328 328	Construction of barges and small vessels.
North American Shipbuilding Co. P.O. Drawer 580 Larose, LA 70373			Construction of small vessels.
Northrop Grumman Ship Systems - Avondale Operations, Boat Division 13303 Industrial Seaway Road Gulfport, MS 39503			Construction of small vessels.
Patti Shipyard, Inc. P.O. Box 271 Pensacola, FL 32507-1374	107 X 17 SW		Construction of vessels to 107 meters.
Quality Shipyards, L.L.C. P.O. Box 1817 Houma, LA 70361-1817	168 X 30 SW (2) 58 X 20 FD	374 695	Construction, repair and conversion of boats and barges.
Rodriguez Boat Builders, Inc. P.O. Box 842 Bayou La Batre, AL 36509	27 X 3 SW	6 6	Construction of small vessels.
SeaArk Marine, Inc. P.O. Box 210 Monticello, AR 71655			Builds aluminum boats in the 5-20 meter range.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

GULF COAST

Seward Ship's Drydock, Inc. P.O. Box 944 Seward, AK 99664	107 X SW 40 X TR 107 X SL	168 / 251	Conversion and repair of small vessels.
Sun State Marine Services, Inc. P.O. Box 1167, Reynolds Industrial Park Greencove, FL 32043			Construction and repair of vessels to 91 meters.
Trinity Madisonville Highway 21 Madisonville, LA 70447			Builds barges.
Trinity Nashville 101 Shelby Street Nashville, TN 37213			Builds barges.
Trinity Port Allen PO Box 108 Port Allen, LA 70767			Builds barges.
Vessel Repair, Inc. P.O. Box 2207 Port Arthur, TX 77643	84 X 20 FD (2) 69 X 9 MR		Repairs barges and small vessels.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

WEST COAST

Al Larson Boat Shop 1046 South Seaside Avenue Terminal Island, CA 90731	34 X 8 SW 76 X 12 FD	110 387	Construction and repair of small vessels.
Kvichak Marine Industries, Inc. 469 NW Bowdoin Place Seattle, WA 98107		76 76	Aluminum vessel construction and repair.
MARCO Shipyard, Seattle 2300 W. Commodore Way Seattle, WA 98199	33 X 9 SW 37 X 11 FD 33 X 9 SL	49 244	Construction and repair of small vessels.
Marine Industries Northwest, Inc. P.O. Box 1275 Tacoma, WA 98401-1275	119 X 16 FD 61 X 15 MR	110 171	Repair and conversion of small boats.
Northlake Shipyard, Inc. 1441 North Northlake Way Seattle, WA 98103	58 X 12 FD		Repair of small vessels.
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.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

WEST COAST

Sundial Marine Tug & Barge Works, Inc. 5605 N.E. Sundial Rd. Troutdale, OR 97060	91 X 18 SW 91 X 21 FD	122 488	Construction and repair of barges and small vessels.
William E. Munson Company 17183 Bennett Road Mt. Vernon, WA 98273			Builds aluminum work boats up to about 12 meters.
Zidell Marine Corporation 3121 S.W. Moody Avenue Portland, OR 97201	104 X SW		Construction of barges and small boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

GREAT LAKES

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

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Boatbuilding and Repair Companies

INLAND

Jeffboat, LLC 1030 E. Market Street Jeffersonville, IN 41730	152 X 26 SW 61 X 19 FD	640 1,686	Construction of inland river type equipment, towboats, barges, etc.
McGinnis, Inc. P.O. Box 534 South Point, OH 45680			Repair of barges and towboats.
National Maintenance & Repair, Inc. Foot of Hawthorne Street Hartford, IL 62048-0038	18 X 16 FD		Builds and repair small vessels.
Serodino Inc. 100 Hamm Road Chattanooga, TN 37405			Buillds barges and small boats.
Trinity Caruthersville Highway 84 West Caruthersville, MO 63830			Builds barges.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

EAST COAST

Amherst Industries, Inc. 2 Port Amherst Drive Charleston, WV 25306	55 X 13 FD		Topside repairs to towboats, tugs and barges.
Anfrank Metal Fabricating Ind., Inc. The Brooklyn Navy Yard Brooklyn, NY 11205			General ship repair.
B & A Marine Co., Inc. 75 Huntington Street Brooklyn, NY 11231		229 229	General ship repair.
Davis Boat Works, Inc. 99 Jefferson Ave. Newport News, VA 23607	30 X 11 TR		Repair and conversion of small boats and vessels.
Lyon Shipyards, Inc. Foot of Brown Ave. Norfolk, VA 23501	91 X 23 FD 61 X 11 MR	107 555	General ship repair.
May Ship Repair Contracting Corp. 3075 Richmond Terrace Staten Island, NY 10303	122 X FD		General ship repair.
Thames Shipyard & Repair Co., Inc. Two Ferry Street New London, CT 06320	107 X 30 FD	122 198	General ship repair.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

GULF COAST

Acadian Shipyard, Inc. Bourg-LaRose Highway Bourg, LA 70343	55 X 24 FD 91 X 17 MR		Repairs small boats.
Barnett Marine Inc. 2709 Concord Rd. Belle Chasse, LA 70037			Repairs barges and small boats.
Berwick Shipyard Corp. Box 168 Berwick, LA 70342			Drydocking & repair of commerical vessels up to 76 meters.
Bollinger Amelia Repair, LLC P.O. Box 2628 Morgan City, LA 70381	37 X 10 FD	91 183	Repair with drydocking of small vessels.
Bollinger Fourchon, LLC 106 Norman Doucet Drive Golden Meadow, LA 70357		107 107	General ship repair.
Border Shipyards Inc. HC 70 Box 5 Brownsville, TX 78521			Repairs shrimp boats.
Burton Shipyard Inc. P.O. Box 278 Bridge City, TX 77611	49 X 15 FD		Repairs tugs, barges and offshore vessels.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

GULF COAST

Channel Shipyard Company, Inc. P.O. Box 926 Highlands, TX 77571			Barge and tank cleaning.
David Industries, Inc. P.O. Box 425 Cut Off, LA 70373			Repair of barges and small vessels.
Elmwood Drydock & Repair, Inc., Baton Rouge Mile Marker 225 Baton Rouge, LA 70801	17 X 63 FD		Barge repair.
Elmwood Drydock & Repair, Inc., Convent 158.5 Mile Marker Convent, LA 70723	17 X 63 FD		Barge repair.
Elmwood Drydock & Repair, Inc., Harvey Mile 5 Harvey Canal Harvey, LA 70059	15 X 43 FD		Barge repair.
Elmwood Drydock & Repair, Inc., Myrtle Grove 55.0 Mile marker Myrtle Grove, LA 70083	22 X 61 FD		Barge repair.
Elmwood Drydock & Repair, Inc., Reserve 135.0 LMR Reserve, LA 70084	17 X 61 FD		Barge repair.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

GULF COAST

Henry Marine Service, Inc. P.O. Box 7650 Mobile, AL 36577	(2) 59 X 11 FD		Topside repair to push boats.
Hudson Drydocks, Inc. P.O. Box 1781 Morgan City, LA 70381			Repair of small vessels.
Intercoastal Marine Repair, LLC P.O. Box 10647 Jefferson, LA 70181-0647	46 X 18 FD	381 686	Barge repair.
Kiva Construction & Engineering, Inc. P.O. Drawer 40 Anahuac, TX 77514			Maintains their own fleet of tug boats.
Kremer Marine, Inc. 1408 Cowan Road Gulfport, MS 39507			Repairs vessels up to 20 meters.
L.M.S. Shipmanagement Inc. P.O. Box 58409 New Orleans, LA 70153-8409			Repairs company owned barges.
LA Dock Co. Baton Rouge Shipyard P.O. Drawer 770 Port Allen, LA 70767	53 X 11 FD		Repair of small vessels.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

GULF COAST

McDonough Marine Service 1750 Clearview Parkway Metairie, LA 70001-2470			Repair to company owned barges only.
Ocean Technical Services, Inc. 1140 Peters Road Harvey, LA 70058		179 179	Repair of small boats.
Plaquemine Point Shipyard 1070 River Road Sunshine, LA 70780	16 X 30 MR		Barge repair and cleaning.
Southwest Shipyard LP 18310 Market Street Channelview, TX 77530-3858	(2) 91 X 18 FD 91 X 18 MR	427 427	Repair tank barges.
T.T. Barge Services 83 Hickory Avenue Harahan, LA 70123			Barge maintenance and repair.
Texas Drydock, Inc., Offshore PO Box 3029 Gulfport, MS 39505-3029			Marine repair and manufacturing for offshore drilling industry.
Tri-Kat Marine, Inc. 1408 Cowan Road Gulfport, MS 39507			Repairs small boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

GULF COAST

Violet Dock Port, Inc. 6800 St. Bernard Highway Violet, LA 70092		610 1,798	Vessel lay-up.
Zimco Marine Inc. 400 Washington St. Port Isabel, TX 78578			Repairs small boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

WEST COAST

Astoria Marine Construction Co. 92134 Front Road Astoria, OR 97103	15 X 5 MR		Repair of small vessels.
Duwamish Shipyard, Inc. 5658 West Marginal Way, S.W. Seattle, WA 98106	(2) 121 X 29 GD 41 X 10 FD	56 193	Ship repair, maintenance and conversion.
Stone Boat Yard, Inc. 2517 Blanding Avenue Alameda, CA 94501	21 X 6 TR 50 X 11 MR	274 320	Repair of small boats.
Ventura Harbor Boatyard Inc. 1415 Spinnaker Drive Ventura, CA 93001-4339		55 145	Boat maintenance and repair.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

GREAT LAKES

Hannah Marine Shipyard Divison 13155 Grant Road Lemont, IL 60439			Barge cleaning.
Vinette Company 1212 19th Avenue North Escanaba, MI 49829			Repair of small vessels to 36 meters.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

INLAND

C & C Marine Maintenance Co. 1500 State Street North Clairton, PA 15025			Barge repair.
Cleveland Ship Repair Co. 1874 Columbus Rd. - Rear Columbus, OH 44113-2411			Topside and voyage repair work.
Great Lakes Towing Shipyard 1800 Terminal Tower Cleveland, OH 44113			Repair of small vessels.
Hartley Marine Corp d.b.a. Walker Boat Yard, Inc P.O. Box 1400 Paducah, KY 42002-1400		52 X 17 FD	Repair and drydocking of towboats and barges.
James Marine, Inc. P.O. Box 2305 Paducah, KY 42002-2305		15 X 14 FD	Repair of small vessels.
Missouri Drydock & Repair Co. P.O. Box 700 Cape Girardeau, MO 63701	(2)	76 X 16 FD	Barge repair.
Yager Marine Industries 5001 Highway 60 East Owensboro, KY 42303			Repair of barges and towboats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Vessel Repair Companies

NON-CONUS

Honolulu Marine, Inc. 123 Ahui Street Honolulu, HI 96813	37 X 10 MR	61 61	Repair and construction of small boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

Blount-Barker Shipbuilding Corp. 461 Water Street Warren, RI 02885	69 X 15 SW	67 165	Designs and builds small vessels to 69 meters.
Boston Whaler, Inc. 4121 South U.S. Highway One Edgewater, FL 32141-7221			Builds fiberglass boats up to 10 meters in length.
Derecktor Shipyards New York 311 East Boston Post Road Mamaroneck, NY 10543	40 X 9 LL	48 191	New construction and repair of vessels up to 46 meters.
Ellicott International 1611 Bush Street Baltimore, MD 21230			Builds small dredges.
H & H Marine, Inc. U.S. Route 1 Steuben, ME 04680			Builds fiberglass lobster boats.
Patriot Marine Fabricating 24 Bay Parkway Waretown, NJ 28758			Builds aluminum boats to 12 meters.
Rockland Marine Corp. P.O. Box 309 Rockland, ME 04841	55 X 18 SW 46 X 15 FD	165 241	Builds barges.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

TEC Skanska P.O. Box 57 Norfolk, VA 23501	107 X 24 SW	64 128	Barge builder.
Washburn & Doughty Assoc., Inc. P.O. Box 226 East Boothbay, ME 04544			Boat builders and designers.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Aker Gulf Marine FM1069 South Aransas, TX 78335			Fabricator of offshore oil/gas rigs.
Bay Fabrication Inc. P.O. Box 537 Ama, LA 70031-0537			Small craft builder.
Farmer's Marine Copper Works, Inc. P.O. Box 748 Galveston, TX 77553			Fabrication for oil rigs.
Gulf County Shipbuilding 511 Old Dynamite Dock Rd Port St. Joe, FL 32456-6365			Small boat construction.
Gulf Craft, Inc. 3904 Highway 182 Patterson, LA 70392			Builds small boats.
Harrison Bros. Dry Dock, Inc. P.O. Box 1843 Mobile, AL 36633-1843	40 X 11 FD	168 395	Builder of small boats and general vessel repair.
Hope Services, Inc. P.O. Box 9157 Houma, LA 70361			Builds OSVs, tugs and barges to 46 meters.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Keith Marine Inc. P.O. Box 187 Palatka, FL 32178-0187			Builds small boats.
LeTourneau P.O. Box 2307 Longview, TX 75606	(2) 119 X 91 SW		Offshore oil rig construction.
Main Iron Works, Inc. P.O. Box 1918 Houma, LA 70361			Builds small boats.
Marine Inland Fabricators 1725 Buchanan Street Southport, FL 32409			Builds barges and small boats.
Master Boat Builders, Inc. P.O. Box 702 Bayou La Batre, AL 36509			Builds small boats.
Master Marine, Inc. P.O. Box 665 Bayou La Batre, AL 36509	29 X 7 SW 34 X 8 FD	122 402	Boat building and repair.
Neuville Boat Works, Inc. 6402 Daspit Road New Iberia, LA 70560			Builds aluminum boats 12-43 meters.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Oil States Skagit SMATCO 13111 Northwest Freeway, Suite 200 Houston, TX 77040	Manufactures marine deck machinery.
Premier Industries P.O. Box 1103 Port Sulphur, LA 70083	Fabrication and drill rig conversions.
Progressive Industrial 1412 18th Avenue, Drive East Palmetto, FL 34221	Builds tugs and OSVs.
Queen Craft Shipyard 3615 Calhoun Avenue Panama City, FL 32405	Builds small boats.
Red Fox Companies P.O. Drawer 10539 New Iberia, LA 70562	Builds barges.
Royal Crown Yachts 5353 W. Tyson Avenue Tampa Bay, FL 33611-3225	Builds small ferries and yachts.
Sea-Fab Inc. 4111 Cedar Street Pascagoula, MS 39567	Small boat construction.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Seacraft Shipyard Corp. P.O. Drawer 1550 Amelia, LA 70340-1550			Construction of small boats and ferries.
SEMCO P.O. Box 460 LaFitte, LA 70067-5314			Builds tug boats and OSVs.
Sneed Ship Building 2011 Dupont Drive Orange, TX 77630-7315			Construction and repair of inland marine vessels.
St. Augustine Marine 404 South Riberia St. Ste. A St. Augistine, FL 32084			Builds small boats.
Swiftships Shipbuilders, L.L.C. 1105 Levee Road, P.O. Box 2869 Morgan City, LA 70381	61 X 12 SW 56 X 10 TR	305 483	Builds small vessels.
Textron Marine and Land Systems Division of Textron, Inc. 19401 Chef Menteur Hwy New Orleans, LA 70129	(3) 69 X 15 LL	274 488	Builds small boats.
Thoma-Sea Boat Builders, Inc. P.O. Box 53 Bourg, LA 70343			Builds OSVs and tug boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

United States Marine, Inc. 19807 Chef Meneur Hwy. New Orleans, LA 70129	Builds small aluminum and composite boats up to 25 meters.
Verret Shipyard 29120 Highway 75 Plaquemine, LA 70764-6101	Builds small boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

WEST COAST

All American Marine, Inc. 220 Mckenzie Avenue Bellinghan, WA 98225-7039			Builds aluminum boats.
Allen Marine, Inc. 1512 Sawmill Creek Road Sitka, AK 99835-9703	20 X 7 TR	366 366	Construction of small boats and ferries.
Aluminum Marine Construction, Inc. (ALMAR) 2301 East Dock Street Tacoma, WA 98402			Builds aluminum boats up to 11 meters.
Diversified Marine, Inc. PO Box 83723 Portland, OR 97283-0723			Barge builder.
Modutech Marine, Inc. 2218 Marine View Drive Tacoma, WA 98422			Builds small boats.
Rozema Boat Works 11130 Bayview Edison Road Mount Vernon, WA 98273-8216			Builds small aluminum boats.
Thompson Metal Fabricators P.O. Box 5276 Vancouver, WA 98668			Barge builder.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

WEST COAST

Western Towboat Company 617 N.W. 40th Street Seattle, WA 98107	Builds tugs to 37 meters for their own use.
Willard Marine, Inc. 1250 North Grove Street Anaheim, CA 92806	Builds small fiberglass boats.
Workskiff, Inc. 856 N. Hill Blvd Burlington, WA 98233	Builds aluminum boats under 8 meters.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

GREAT LAKES

Basic Marine 440 North 10th Street Escanaba, MI 49829	Build and repairs barges and small boats.
Skipperliner Industries Inc. 621 Park Plaza Drive LaCrosse, WI 54601	Builds small boats.

MEDIUM AND SMALL SIZE U.S. SHIPYARDS

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

Fabricators/Manufacturers of Maritime Vessels

INLAND

Trinity Ashland City 1050 Trinity Road Ashland City, TN 37015			Builds barges.

APPENDIX D

ALPHABETICAL INDEX OF SHIPYARDS

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