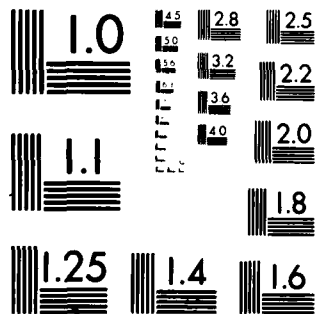


09969



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

LEVEL #

12

AD-E 500322
Copy 32 of 254 copies

50

AD A 099 696

IDA PAPER P-1520

COMPOSITION OF THE ACTIVE FLEET,
U.S. NAVY, 1961-1985

J. T. McIntyre

December 1980

DTIC
ELECTE
JUN 4 1981

A

Prepared for
Assistant to the Secretary of Defense (Atomic Energy)

This document has been approved
for public release and sale; its
distribution is unlimited.

DTIC FILE COPY



INSTITUTE FOR DEFENSE ANALYSES
INTERNATIONAL SECURITY ASSESSMENT DIVISION

81 6 01 010

IDA Log No. HQ 80-22731

The work reported in this document was conducted under contract MDA 903 79 C 0018 for the Department of Defense. The publication of this IIA Paper does not indicate endorsement by the Department of Defense, nor should the contents be construed as reflecting the official position of that agency.

Approved for public release; distribution unlimited.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
AD-A099696		
4. TITLE (and Subtitle) COMPOSITION OF THE ACTIVE FLEET, U.S. NAVY, 1961-1985.(U)		5. TYPE OF REPORT & PERIOD COVERED Final
		6. PERFORMING ORG. REPORT NUMBER IDA Paper P-1520 ✓
7. AUTHOR(s) J. Trevor McIntyre		8. CONTRACT OR GRANT NUMBER(s) MDA 903 79 C 0018 ✓
9. PERFORMING ORGANIZATION NAME AND ADDRESS Institute for Defense Analyses 400 Army-Navy Drive Arlington, Virginia 22202		10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS T-0-073
11. CONTROLLING OFFICE NAME AND ADDRESS Assistant to the Secretary of Defense (Atomic Energy) The Pentagon, Washington DC 20301		12. REPORT DATE December 1980
		13. NUMBER OF PAGES 104
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) DOD-IDA Management Office (OUSDRE) 400 Army-Navy Drive Arlington, Virginia 22202		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		16. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Naval vessels, Active fleet, Ship categories, Ship classes, Hull numbers, Ship names, Ship IOC, Ship ages		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This paper presents in tabular and graphic form all ships assigned to the U.S. Navy active fleet from 1961 through 1985. All additions to and subtractions from the fleet are listed by name, hull number, and class. Initial operational capability dates for each class are included along with the displacement of an individual ship of each class. Graphs present the average ages of each category and the age distributions.		

DD FORM 1473 1 JAN 73 EDITION OF 1 NOV 68 IS OBSOLETE

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

ACKNOWLEDGEMENTS

Major credit for this volume belongs to Mr. Harlan Foote and Mr. T. O. Luichinger, OPNAV 902K, Ship Management Information Systems, who supplied almost all of the basic information from which these tabulations were constructed. Their willing assistance is acknowledged with grateful thanks.

Mrs. Edith Foley of IDA's staff deserves more than honorable mention for her conscientious checking of all arithmetic calculations before typing, and for her cheerful assistance with the construction and revision of all the tables.

Comments on the drafts of this paper by Mr. W. H. J. Manthorpe, Jr. of Naval Operations, and by Dr. H. Kanter of IDA were most helpful, and it has benefitted significantly from their suggestions.

Any errors that remain after processing the basic data and revising the tables are the responsibility of the author, and should not detract from the contributions of Mr. Foote, Mr. Luichinger and Mrs. Foley.

SUMMARY

This paper presents in tabular form the composition of the Active Fleet by ship name and hull number for each category and class of ship, from 1961 through 1985. The tables also include the initial operational capability (IOC) year, the displacement weights of individual ships, the average ages of each category, and the total numbers and weights of the fleet each year.

Also included are figures showing the Fleet accumulations of numbers of vessels and displacement weights for each category. The average ages of vessels in each category and in the Active Fleet from 1965 to 1985 are shown graphically, and the distributions of ages of each category are shown, counting from 1981.

The names of all ships that entered or left the Active Fleet between 1961 and 1985 are also listed by class and in alphabetical order.

All of the information in this paper is derived from official unclassified sources, and is presented for information only. This paper does not reach conclusions nor does it make recommendations.

IV-Blank

CONTENTS

Acknowledgements	111
Summary	v
I. INTRODUCTION	1
II. SCOPE	1
III. RATIONALE	3
IV. DERIVATIONS	5

TABLES

1. Ballistic Missile Submarines, Nuclear Powered	12
2. Attack Submarines, Nuclear Powered	14
3. Attack Submarines, Diesel Electric Powered	16
4. Aircraft Carriers	18
5. Cruisers	20
6. Destroyers	22
7. Frigates	26
8. Amphibious Warfare Vessels	28
9. Mine Warfare Vessels	32
10. Auxiliary Support Vessels	34
11. Fleet Accumulation - Number of Vessels	40
12. Fleet Accumulation - Thousands of Tons	42
13. Average Age - Years	44
14. Hull Category Changes	46

Vi-Blank

FIGURES

1. Fleet Accumulation by Number of Vessels	50
2. Fleet Accumulation by Displacement Weight	52
3. Active Fleet - Average Age	54
4. Active Fleet - Age Distribution	54
5. Active Fleet (less auxiliaries) - Average Age	55
6. Active Fleet (less auxiliaries) - Age Distribution	55
7. Nuclear Ballistic Missile Submarines - Average Age	56
8. Nuclear Ballistic Missile Submarines - Age Distribution	56
9. Nuclear Attack Submarines - Average Age	57
10. Nuclear Attack Submarines - Age Distribution	57
11. Diesel Attack Submarines - Average Age	58
12. Diesel Attack Submarines - Age Distribution	58
13. Aircraft Carriers - Average Age	59
14. Aircraft Carriers - Age Distribution	59
15. Cruisers - Average Age	60
16. Cruisers - Age Distribution	60
17. Destroyers - Average Age	61
18. Destroyers - Age Distribution	61
19. Frigates - Average Age	62
20. Frigates - Age Distribution	62
21. Cruisers, Destroyers, and Frigates - Average Age	63
22. Cruisers, Destroyers, and Frigates - Age Distribution	63
23. Amphibious Warfare Vessels - Average Age	64
24. Amphibious Warfare Vessels - Age Distribution	64
25. Mine Warfare Vessels - Average Age	65
26. Mine Warfare Vessels - Age Distribution	65
27. Auxiliary Support Vessels - Average Age	66
28. Auxiliary Support Vessels - Age Distribution	66
References	67
Appendix A - Active Fleet, by Class	
Appendix B - Active Fleet, Alphabetical Order	

COMPOSITION OF THE ACTIVE FLEET, U.S. NAVY, 1961-1985

I. INTRODUCTION

The tabular listings in this publication are all derived from official unclassified sources, and were developed to serve as bases for a comparison of the United States' force levels and military investment to those of other nations. The tabulations are based on calendar rather than fiscal years so that they can be compared directly with the available listings from the other nations. The information is published separately in this paper to make it available more generally for other purposes. Only the Active Fleet is considered here. Ships assigned to the Reserve Fleet, to Military Sealift Command, or to Inactive status are not included.

II. SCOPE

The tables contain listings for the following categories and sub-categories of vessels:

- Submarines

- SS - attack submarines, diesel-electric powered

- SSN - attack submarines, nuclear powered

- SSBN - fleet ballistic missile submarines, nuclear powered

- Aircraft Carriers

- CV - conventionally powered

- CVN - nuclear powered

- CVS - antisubmarine warfare

- Cruisers

- CA - heavy cruisers, conventionally powered

- CG - guided missile cruisers

- CGN - guided missile cruisers, nuclear powered

CLG - guided missile cruisers, light
BB - battleships, fire support

• Destroyers

DD - destroyers
DDG - guided missile destroyers

• Frigates

FF - frigates
FFG - guided missile frigates

• Amphibious Warfare Vessels

LCC - amphibious
LHA - amphibious assault ships, G.P.
LPD - amphibious transport docks
LPH - amphibious assault ships
LKA - amphibious cargo ships
LSD - dock landing ships
LST - tank landing ships
LPA - amphibious transports

• Mine Warfare Vessels

MCS - mine countermeasure support ships
MSC - coastal mine sweepers
MSO - ocean mine sweepers

• Auxiliary Support Vessels

AE - ammunition ships
AFS - combat stores ships
AOE - fast combat support ships
AOR - replenishment oilers
AO - oilers
ASR - submarine rescue ships
ATS - salvage and rescue ships
AGF - flagship (converted LPD)
ATF - fleet tugs
AS - submarine tenders
AD - destroyer tenders
PHM - hydrofoil patrol combatants

III. RATIONALE

Tables 1 through 10 present the force levels and displacement tonnages of each category of vessel for each calendar year from 1961 through 1985, and were developed from an accounting of individual vessels into and out of active service. In each table the upper portion of each class entry lists the numbers of vessels of the stated individual class in the active fleet as of 31 December of the stated year. The lower portion of each class entry lists the changes of the active fleet by individual hull number according to the introduction to or dropping from active status of individual vessels of the stated class during that year.

The lower portion of each class tabulation for the year 1961 lists the numbered hulls of that class in the active fleet at the beginning of 1961. All other entries are preceded by a plus (+) sign to show that a particular numbered hull was introduced into the active fleet during that calendar year, or a minus (-) sign to show that a particular numbered hull was dropped from the active fleet during that calendar year.

In many instances a particular numbered hull is listed as being dropped from the active fleet (e.g.: -CV41 in 1966), only to be reintroduced a short time later (again, +CV41 in 1970). Temporary absences of this nature are brought about by modernization or yard refit programs, such as FRAM (Fleet Rehabilitation And Modernization) and SLEP (Service Life Extension Program), among others.

Wherever the Navy has postulated a reduction in force without specifying which vessel is to be dropped from the fleet, an

entry of "-X" is made in the lower portion of the tables to indicate the deletion of an unspecified vessel, rather than "-41", for example, which would show that a hull numbered 41 is to be dropped.

An official listing of the vessels in the fleet during 1961 through 1964 was not available, although a listing of new additions to the fleet during those years was. In some instances, where numbers of older vessels were being phased out of active service, the relevant levels shown for the years prior to 1965 are unofficial best estimates. In each table the years 1961 through 1964 are marked with asterisks, and the associated footnotes state that entries in these years are to be regarded as estimates.

The entry on Table 3, SS Subs, Other, shows an inventory of 77 WWII submarines still in the active fleet in 1961, decreasing by unspecified vessels until 1965, and then decreasing by stated hull number beginning in 1968. The identifiable hull numbers and names are listed in Appendices A and B, but were too numerous to list in the 1961 column for that category on Table 3.

The entries on Table 6, Destroyers WWII, etc., and Gearing FRAM, show inventories of 115 and 77 older vessels, all of which were phased out of the active fleet by 1977. The identifiable hull numbers and names are listed in Appendices A and B, but were too numerous to list in the 1961 column for those categories on Table 6.

The entries on Table 10, Auxiliaries, Other (No. of Vessels) show an inventory of 92 vessels in 1961. The identifiable hull numbers and names are listed in Appendices A and B, but were too numerous to list in the 1961 column for that category on Table 10.

The displacement of a single vessel in each class is listed in the first column following the class designation, and is the displacement weight in long tons of 2240 pounds each. In

instances where older vessels making up a class are not identical, an average weight for vessels in that class is listed, and is to be regarded as an unofficial best estimate.

An "Initial Operational Capability" (IOC) date is shown in the second column for each class of vessels, representing the date on which the first vessel of that class entered the active fleet.

Tables 11 and 12 present the totals, and accumulations of totals, of the numbers of vessels in each category and of the weight of all vessels in each category, taken directly from the bottom rows of Tables 1 through 10. These tables, 11 and 12, provide the values for the construction of Figures 1 and 2, which present these accumulations in graphical form.

Table 14 lists vessels that had their names or hull numbers changed or that were moved from one class or category to another during the years being considered.

Figures 3 through 28 present the average ages of all categories of vessels, taken from the count of each hull's dates into and out of active service, and the distributions of ages of each category of vessel, counted from 1981.

Appendix A lists all vessels by category, class, hull number, and name. Appendix B lists all vessels by name, in alphabetical order, with category and hull number.

If only a vessel's name is known, it may be traced to its position in the fleet by determining its category and hull number in Appendix B, then finding its class in Appendix A, and its dates into or out of active service in the specific table that presents vessels of that category and class.

IV. DERIVATIONS

Entries in Tables 1 through 10 for each category were extracted from the "Listing of Ships By Delivery Date" (Ref. 1),

including hull number, name, weight, and date of commission. A provisional table for each category was made according to the commissioning date. Additional entries for each category were then extracted from "Changes in Active Fleet Count" (Ref. 2) for vessels introduced into and dropped from the active fleet, and these were added to the provisional tables.

The division of vessels into classes within each category was made according to the vessels' weights as shown in the "Listing of Ships By Delivery Date" (Ref. 1), and according to information provided by *Jane's Fighting Ships* (Ref. 3).

Draft tabulations were then made, containing for each category and each class, every vessel by hull number as a part of the force level from the date it entered the active fleet to the date it was released from the "active" list.

Where a class of older vessels, such as WWII combatants, was phased out of the fleet over a period of years, the numbers of vessels to be shown in the early years is arrived at by working backward from the first year that has no vessels of that class in the active fleet, and accumulating back to the earliest year of official record, usually 1965. Entries for years earlier than 1965 are estimated from unofficial sources, such as *Jane's Fighting Ships* (Ref. 3), and should be regarded as unofficial estimates.

The draft tabulations were compared with the "Listing of Active Fleet, April, 1980" (Ref. 4) and against the "Historical Force Levels" (Ref. 5) for approximate checks as befits comparisons of levels at the ends of calendar years with those at the ends of fiscal years. Finished tables were then constructed from the draft tables, and summed to present force levels and weights for each category in each year.

The entries for Tables 11 and 12 are those shown as Total Vessels and Total Tons, at the bottoms of Tables 1 through 10.

The average ages, shown on Table 13, were calculated from an accounting of each vessel's entry into and release from the active fleet. Each vessel is assumed to average one-half year old at the end of the calendar year of its entry into the fleet, and to be released from the fleet after serving an average of one-half year during its year of release. Each vessel's age is counted from its original entry into the fleet, and is counted according to that age if the vessel is withdrawn from active service for a modernization program and subsequently re-entered on the active list.

In numerous instances vessels were changed from one category to another, or had hull numbers changed, or had their names changed for various reasons. If the ships were in the Active Fleet between 1961 and 1985, they are listed in their proper categories and classes according to the dates of the changes. For example, the Boston was a cruiser (CA 69) until classified inactive in 1970, and the name will be that of a nuclear attack submarine (SSN 703) beginning in 1981.

The Decatur (DD 936) was sent for conversion beginning in 1964 to be a guided missile destroyer, and then was reentered into the Active Fleet as DDG 31 in 1967.

Table 14 lists some of the changes that could be verified, and that may assist in tracing a ship in the fleet. Other renaming and renumbering examples were noted but were not considered critical to the presentations in this paper.

TABLES

8 Blank

TABLE 1. BALLISTIC MISSILE SUBMARINES, NUCLEAR POWERED

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
SSBN 595 George Washington No. of Vessels	6,608	1958	5	5	5	5	5	5	5	5	5	5
Hull No.			598, 599, 601, +600, 602									
SSBN 608 Ethan Allen No. of Vessels	7,880	1961	1	4	5	5	5	5	5	5	5	5
Hull No.			+608	+609, 510, 611	+618							
SSBN 616 Lafayette No. of Vessels	8,220	1963	-	-	6	19	24	30	31	31	25	25
Hull No.					+616, 617, 619, 622, 623, 624	+620, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636	+640, 641, 642, 643, 644	+645, 654, 655, 656, 657, 658	+659			-627, 628, 629, 630, 631, 632
SSBN 726 Ohio No. of Vessels	17,500	1980	-	-	-	-	-	-	-	-	-	-
Hull No.												
Total Vessels			6	9	16	29	34	40	41	41	35	35
Total Tons			41,320	64,960	122,160	229,020	270,120	319,440	327,660	327,660	278,340	278,340

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

10x11 Blank

TABLE 1. BALLISTIC MISSILE SUBMARINES, NUCLEAR POWERED

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
5	5	5	5	5	5	5	5	5	3	3	2	1	-	-
									-600, 602		-X	-X	-X	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
22	24	25	26	29	29	31	30	26	27	30	31	31	31	31
-640, 641, 642, 643, 644, 645, 654, 655, 656, +620, 630, 633, 634, 635, 636	-616, 657, 658, 659, +640, 641, 642, 643, 644, 645	-617, 619, 622, 624, +654, 655, 656, 657, 658	-620 +616 659	-622, 625, +637, 619, 620, 623, 624	-626 +622	+625, 626	-657	-627, 640, 641, 655, 658, +657	-629, 630, 632, 633, 643, +627, 629, 630, 641, 655, 658	-634 +632, 633, 640, 643	+634			
-	-	-	-	-	-	-	-	-	-	2	3	5	6	8
										+726, 727	+728	+729, 730	+731	+732, 733
32	34	35	36	39	39	41	40	36	35	40	41	42	42	44
253,680	270,120	278,340	286,560	311,220	311,220	327,660	319,440	286,560	281,404	341,064	360,096	388,408	399,220	434,220

6-19-80-4

TABLE 2. ATTACK SUBMARINES, NUCLEAR POWERED

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
SSN 575 Seawolf No. of Vessels	4,280	1957	1	1	1	1	1	1	1	1	-	-
Hull No.			575									-575
SSN 571 Nautilus No. of Vessels	4,040	1955	1	1	1	1	1	1	1	1	1	1
Hull No.			571									
SSN 586 Triton No. of Vessels	6,670	1959	1	1	1	1	1	1	1	1	-	-
Hull No.			586									-586
SSN 587 Halibut No. of Vessels	4,940	1960	1	1	1	1	1	1	1	1	1	1
Hull No.			587									
SSN 585 Skipjack No. of Vessels	3,500	1959	6	6	6	6	6	6	6	5	5	5
Hull No.			585, 586, 589, 590, 591, 592								-589	
SSN 578 Skate No. of Vessels	2,860	1958	4	4	4	4	4	4	4	4	4	4
Hull No.			578, 579, 583, 584									
SSN 597 Tullibee No. of Vessels	2,607	1960	1	1	1	1	1	1	1	1	1	1
Hull No.			597									
SSN 593 Thresher/Permit No. of Vessels	4,450	1961	1	3	3	7	7	9	12	13	13	13
Hull No.			+593 +594, 595 -593 +596 +603, 604, 605, 607						+612, 613	+605, 614, 621	+615	
SSN 637 Sturgeon No. of Vessels	4,582	1966	-	-	-	-	-	1	4	9	17	20
Hull No.								+651	+637, 652, 661	+638, 639, 650, 662, 663	+646, 648, 649, 652, 664, 667, 668, 669	+670, 673, 674
SSN 685 Lipscomb No. of Vessels	6,480	1974	-	-	-	-	-	-	-	-	-	-
Hull No.												
SSN 671 Narwhal No. of Vessels	5,830	1969	-	-	-	-	-	-	-	-	1	1
Hull No.												+671
SSN 688 Los Angeles No. of Vessels	6,927	1976	-	-	-	-	-	-	-	-	-	-
Hull No.												
Total Vessels			16	18	18	22	22	25	31	36	43	46
Total Tons			59,427	68,327	68,327	86,127	86,127	99,609	126,705	150,565	182,101	195,847

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 2. ATTACK SUBMARINES, NUCLEAR POWERED

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-571	-	-	-	-	-
1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
27	31	33	35	37	37	37	37	37	37	37	37	37	37	37
+647, 660, 666, 672, 675, 676, 678	+665, 677, 679, 681	+680, 684	+682, 683	+686, 687										
-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
			+685											
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
-	-	-	-	-	1	4	8	9	16	18	22	25	30	33
					+688	+689, 690, 691	+692, 693, 694, 695	+696	+697	+698, 699, 700, 701, 702,703, 711,712	+704, 705, 706, 713,	+714, 715, 716	+707, 708, 709, 717, 718	+710, 719, 720
53	57	59	62	64	64	67	71	72	72	80	84	87	92	95
227,921	246,249	255,412	271,057	280,221	282,208	302,989	330,697	337,624	340,511	395,927	423,635	444,416	479,051	499,832

6-19-80-4

TABLE 3. ATTACK SUBMARINES, DIESEL ELECTRIC POWERED

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
SS 574 Grayback No. of Vessels	3,820	1958	1	1	1	1	1	1	1	1	1	1
Hull No.			574									
SS 563 Tang No. of Vessels	2,700	1951	7	7	7	7	7	7	7	7	7	7
Hull No.			563, 564, 565, 566, 567, 568, 578									
SS 580 Barbel No. of Vessels	2,639	1959	3	3	3	3	3	3	3	3	3	3
Hull No.			580, 581, 582									
SS Subs "Other" No. of Vessels	2,400 (Average)	WWII	77		72	62	62	62	62	57	50	42
Hull No.				-X,X	-X,X,X	-X,X,X, X,X,X, X,X,X, X					-338, 392, 408, 423, 475	-319, 324, 342, 403, 406, 417, 476
Total Vessels			88	86	83	73	73	73	73	68	61	53
Total Tons			215,437	210,637	203,437	179,437	179,437	179,437	179,437	167,437	150,637	131,437

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 3. ATTACK SUBMARINES, DIESEL ELECTRIC POWERED

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
											-574			
7	7	6	5	5	5	5	4	3	1	1	1	-	-	-
		-564	-568				-566	-567	-563, 568			-576		
3	3	3	3	3	3	3	3	3	3	3	3	3	1	1
													-580, 581	
33	18	5	4	2	2	1	-	-	-	-	-	-	-	-
302, 339, 341, 349, 352, 377, 391, 396, 418	322, 323, 340, 347, 350, 369, 382, 385, 410, 421, 484, 485, 490, 523, 524	344, 346, 351, 420, 424, 425, 426, 478, 483, 487, 522, 525, 550	-368	-343, 416		-573	-572							
44	29	15	13	11	11	10	8	7	5	5	4	3	1	1
109,837	73,837	39,937	34,837	30,057	30,037	27,637	22,537	19,837	14,437	14,437	10,617	7,917	2,639	2,639

6-19-80-4

TABLE 4. AIRCRAFT CARRIERS

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
CV 19 Hancock No. of Vessels	41,700	1944	5	5	5	5	5	5	5	5	5	5
Hull No.			14, 19, 21, 24, 38									
CV 41 Midway No. of Vessels	64,000	1945	3	3	3	3	3	2	2	2	2	3
Hull No.			41, 42, 43					-41				
CV 59 Forrestal No. of Vessels	79,650	1955	4	4	4	4	4	4	4	4	4	4
Hull No.			59, 60, 61, 62									
CV 63 Kitty Hawk No. of Vessels	80,300	1961	2	2	2	2	3	3	3	3	3	3
Hull No.			+63, 64					+66				
CV 67 Kennedy No. of Vessels	80,800	1968	-	-	-	-	-	-	-	1	1	1
Hull No.											+67	
CVN 68 Hmitz No. of Vessels	94,400	1975	-	-	-	-	-	-	-	-	-	-
Hull No.												
CVN 65 Enterprise No. of Vessels	91,000	1961	1	1	1	1	1	1	1	1	1	1
Hull No.			+65									
CVS 9 Essex No. of Vessels	38,500	1942	10	10	9	9	9	8	8	7	4	2
Hull No.			9, 10, 11, 12, 15, 16, 18, 20, 33, 39	-16				-39		-15	-9, 20, 33	-10, 12
Total Vessels			25	25	24	24	25	23	23	23	20	19
Total Tons			1,356,700	1,355,700	1,317,200	1,317,200	1,397,500	1,275,000	1,295,000	1,337,300	1,221,800	1,208,800

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 4. AIRCRAFT CARRIERS

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
3	3	2	2	2	-	-	-	-	-	-	-	-	-	-
-31, 38		-14			-19, 34									
3	3	3	3	3	3	2	2	2	2	1	1	1	1	1
						-42				-43				
4	4	4	4	4	4	4	4	4	3	3	4	4	4	4
									-60		-60			
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
-	-	-	-	1	1	2	2	2	2	2	3	3	3	3
				+68		+69					+70			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	-18	-11												
17	16	14	14	15	13	13	13	13	12	11	13	13	13	13
1,125,400	1,066,900	1,006,700	1,006,700	1,101,100	1,017,700	1,048,100	1,048,100	1,048,100	968,450	904,450	1,078,500	1,078,500	1,078,500	1,078,500

6-19-80-4

TABLE 5. CRUISERS

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
CGM 9 Long Beach No. of Vessels	17,100	1961	1	1	1	1	1	1	1	1	1	1
Hull No.			+9									
CG 10 Albany No. of Vessels	17,500	1945	-	2	3	3	3	3	3	3	3	3
Hull No.			+10, 12	+11								
CGM/DLGN 25 Bainbridge No. of Vessels	9,200	1962	-	1	1	1	1	1	1	1	1	1
Hull No.			+25									
CG 16 Leahy No. of Vessels	8,074	1962	-	1	7	9	9	9	8	7	6	7
Hull No.			+16	+17, 18, 19, 21, 22, 23	+20, 24			-16	-17, 21	-18, 24	+18, 21, 24	
CG 26 Belknap/Dantels No. of Vessels	8,500	1964	-	-	-	1	2	5	9	9	9	9
Hull No.					+26	+27	+28, 29, 32, 33	+30, 31, 34				
CGM/DLGN 36 California No. of Vessels	10,530	1974	-	-	-	-	-	-	-	-	-	-
Hull No.												
CLG 3 Cleveland (Galveston) No. of Vessels	14,600	1944	6	6	6	6	6	6	6	5	4	
Hull No.			3, 4, 5, 6, 7, 8								-8	-3
CA 59 Boston No. of Vessels	17,500	1943	2	2	2	2	2	2	2	1	-	
Hull No.			69, 70								-70	-69
CA 148 Newport News No. of Vessels	21,500	1949	1	1	1	1	1	1	1	1	1	
Hull No.			148									
CGM 35 Truxtun No. of Vessels	8,800	1967	-	-	-	-	-	-	1	1	1	
Hull No.								+35				
BB 62 New Jersey No. of Vessels	59,000	1943	-	-	-	-	-	-	-	1	-	
Hull No.									+62	-62		
CGM 38 Virginia No. of Vessels	11,000	1976	-	-	-	-	-	-	-	-	-	
Hull No.												
CG 47/DDG 47 Ticonderoga No. of Vessels (Aegis)	8,910	1983	-	-	-	-	-	-	-	-	-	
Hull No.												
Total Vessels			10	14	21	24	25	29	32	32	28	27
Total Tons			161,200	213,474	279,418	304,066	312,566	346,566	372,792	423,718	324,544	300,518

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 5. CRUISERS

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
1	1	1	1	1	1	1	1	1	1	1	1	-9	-	-
3	3	3	2	2	2	2	2	2	-	-	-	-	-	-
			-12						-10, 11					
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	9	9	9	9	9	9	9	9	9	9	9	9	8	6
-20, 23 +19, 22	+20, 23												-16	-17, 21
9	9	9	9	8	8	8	8	8	9	9	9	9	9	9
				-26					+26					
-	-	-	1	2	2	2	2	2	2	2	2	2	2	2
			+36	+37										
4	4	3	3	3	2	2	2	1	1	-	-	-	-	-
		-7			-4			-5		-6				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
				-148										
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1	2	3	3	4	4	4	4	4	4
					+38	+39	+40		+41					
-	-	-	-	-	-	-	-	-	-	-	-	1	2	4
												+47	+48	+49, 50
27	29	28	28	27	27	28	29	28	28	27	27	27	27	27
300,518	316,666	302,066	295,096	275,626	272,026	283,026	294,026	279,426	263,926	249,326	249,326	241,136	241,972	243,644

6-19-80-4

TABLE 6. DESTROYERS

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
DDG 37 Farragut No. of Vessels	5,960	1960	9	10	10	10	10	10	10	9	8	8
Hull No.			37, 39, 40, 41, 42, 43, 44, 45, 46	+38							-37	-45, 46 +37
DDG 2 Adams No. of Vessels	4,500	1960	8	15	19	23	23	23	23	23	23	23
Hull No.			2, 7, + 3, 8, 9, 10, 11, 12	+ 4, 5, 6, 13, 14, 15, 18	+16, 17, 19, 20	+21, 22, 23, 24						
DDG 31 Decatur No. of Vessels	3,960	1956	-	-	-	-	-	-	3	4	4	4
Hull No.									+31, 32, 33	+34		
DDG 993 Kidd No. of Vessels	8,000	1961	-	-	-	-	-	-	-	-	-	-
Hull No.												
DDG 35 Mitscher No. of Vessels	4,730	1953	-	-	-	-	-	-	-	1	2	2
Hull No.										+35	+36	
DD 963 Spruance No. of Vessels	7,924	1975	-	-	-	-	-	-	-	-	-	-
Hull No.												
DD 931 Sherman No. of Vessels	4,090	1955	13	13	13	12	11	9	8	9	5	5
Hull No.			931, 932, 933, 936, 937, 938, 940, 941, 942, 943, 944, 947, 949			-936	-932	-947, 949	-933	+933	-937, 938, 941, 943	+937, 938, 941, 943 940
DD 945 Hull No. of Vessels	4,069	1958	5	5	5	5	5	5	5	5	4	4
Hull No.			945, 946, 948, 950, 951									-948
Total Vessels			35	47	47	50	45	47	49	51	46	49
Total Tons			163,155	200,615	218,615	322,525	228,435	220,255	228,045	234,865	213,206	225,476
Destroyers WWII, and Gearing FRAM No. of Vessels	(3,400 Aver.)	1941	182	182	182	178	171	171	171	161	129	96
Total Tons			618,800	618,800	618,800	605,200	581,400	581,400	581,400	547,400	438,600	326,400
Total Vessels (All Destroyers)			217	225	229	228	220	218	220	212	175	145
Total Tons (All Destroyers)			781,955	819,415	837,415	837,725	809,835	801,655	809,445	782,265	651,806	551,876

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 6. DESTROYERS

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
9	8	8	8	9	9	10	10	10	10	10	10	10	10	10
-40 +38, 45	-43, 44 +40	-39, 42 +43, 44	-41 +39	+42		+41								
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
-	-	-	-	-	-	-	-	-	-	4	4	4	4	4
										+993, 994, 995, 996				
2	2	2	2	2	2	2	-	-	-	-	-	-	-	-
							-35, 36							
-	-	-	-	1	4	10	18	25	30	30	30	31	31	31
				+963	+964, 965, 966	+967, 968, 969, 970, 971, 975	+972, 973, 974, 975, 977, 978, 979, 980	+981, 982, 983, 984, 985, 986, 987	+988, 989, 990, 991, 992			+997		
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
+940														
5	5	5	5	5	5	4	4	4	4	4	4	4	4	4
+950						-946								
52	51	51	51	53	56	62	68	75	80	84	84	85	85	85
239,595	233,635	233,635	233,635	247,519	271,291	320,726	374,658	430,126	469,746	501,746	501,746	509,670	509,670	509,670
84	61	19	18	16	6	2	-	-	-	-	-	-	-	-
285,600	207,400	64,600	61,200	54,400	20,400	6,800								
136	112	70	69	69	62	64	68	75	80	84	84	85	85	85
525,195	441,035	298,235	294,835	301,919	291,691	327,526	374,658	430,126	469,746	501,746	501,746	509,670	509,670	509,670

6-19-80-4

TABLE 6. DESTROYERS (Cont'd)

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
-540. 692. 694. 703. 727. 742. 758. 761. 776. 872. 877. 880.	-596. 702. 709. 711. 724. 725. 731. 764. 765. 775. 784. 805. 819. 821. 822. 830. 843. 864. 869. 871. 882. 887. 898.	- 714. 716. 717. 718. 719. 743. 763. 783. 785. 787. 788. 789. 790. 806. 808. 820. 825. 827. 829. 832. 835. 839. 841. 842. 844. 846. 847. 850. 851. 853. 860. 863. 865. 866. 875. 876. 879. 883. 884. 885. 886. 889. 890.	-862	-782. 786	-715. 783. 818. 836. 840. 849. 852. 867. 868. 878	-824. 837. 873. 881	-825. 845							

6-19-80-4

TABLE 7. FRIGATES

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
FFG-1 Brooks	3,400	1966	-	-	-	-	-	1	5	6	6	6
No. of Vessels			-	-	-	-	-	1	5	6	6	6
Hull No.							+1	+2, 4, 5, 6	+3			
FFG-7 Perry	3,605	1977	-	-	-	-	-	-	-	-	-	-
No. of Vessels			-	-	-	-	-	-	-	-	-	-
Hull No.												
FF 1037 Bronstein	2,690	1963	-	-	2	2	2	2	2	2	2	2
No. of Vessels			-	-	2	2	2	2	2	2	2	2
Hull No.					+1037, 1038							
FF 1040 Garcia	3,344	1964	-	-	-	1	5	6	7	10	10	10
No. of Vessels			-	-	-	1	5	6	7	10	10	10
Hull No.					+1040	+1041, 1042, 1044, 1045	+1047	+1049	+1048, 1050, 1051			
FF 1052 Knox	4,100	1969	-	-	-	-	-	-	-	-	5	18
No. of Vessels			-	-	-	-	-	-	-	-	-	5
Hull No.										+1052, 1053, 1055, 1056, 1058	+1054, 1057, 1059, 1060, 1061, 1062, 1064, 1067, 1068, 1071, 1072, 1075, 1077	
FF 1098/AGDE-1/AGFF-1 Glover	3,426	1965	-	-	-	-	1	1	1	1	1	1
No. of Vessels			-	-	-	-	1	1	1	1	1	1
Hull No.						+1098						
FF 1033 Jones	1,750	1959	4	4	4	4	4	4	4	4	4	4
No. of Vessels			4	4	4	4	4	4	4	4	4	4
Hull No.			1033, 1034, 1035, 1036									
FF 1021 Courtney	1,914	1957	10	10	10	10	10	10	10	6	6	6
No. of Vessels			10	10	10	10	10	10	10	6	6	6
Hull No.			1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030							+1023, 1024, 1025, 1026		
FF 1006 Dealey	1,914	1954	3	3	3	3	3	3	3	3	3	3
No. of Vessels			3	3	3	3	3	3	3	3	3	3
Hull No.			1006, 1014, 1015									
Total Vessels			17	17	19	20	25	27	32	32	37	50
Total Tons			31,882	31,882	37,262	40,606	57,408	64,152	81,096	86,872	107,372	160,672

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 7. FRIGATES

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
-	-	-	-	-	-	1	1	2	7	16	24	34	39	43
						+7		+8	+ 9, 10, 11, 12, 13	+14, 15, 16, 19, 20, 21, 22, 24, 26	+23, 25, 27, 28, 29, 31, 32, 34	+30, 33, 36, 37, 38, 39, 40, 41, 42, 45	+43, 46, 47, 48, 49	+50, 51, 52, 53
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	37	42	46	46	46	46	46	46	46	46	46	46	46	46
+1063, 1066, 1070, 1074, 1076, 1078, 1079, 1080, 1081, 1082, 1083	+1065, 1069, 1073, 1084, 1085, 1086, 1087, 1088	+1089, 1090, 1091, 1092, 1093	+1094, 1095, 1096, 1097											
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	3	-	-	-	-	-	-	-	-	-	-	-	-
		-1034	-1033, 1035, 1036											
6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	-1027, 1028, 1029, 1030	-1021, 1022												
3	1	-												
	-1006, 1014	-1015												
61	63	64	65	65	65	66	66	67	72	81	89	99	104	108
205,772	227,088	240,098	251,246	251,246	251,246	254,851	254,851	258,456	276,481	308,926	337,766	373,816	391,941	406,261

6-19-80-4

TABLE 8. AMPHIBIOUS WARFARE VESSELS

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR										
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970	
LNA 1 Tarawa No. of Vessels	39,300	1974	-	-	-	-	-	-	-	-	-	-	-
Hull No.													
LPD 1 Raleigh No. of Vessels	14,651	1962	-	1	2	2	2	2	2	2	2	2	
Hull No.				+1	+2								
LPD 4 Austin No. of Vessels	16,913	1965	-	-	-	-	3	3	5	6	7	10	
Hull No.							+ 4, 5, 6		+ 7, 8	+9	+10	+11, 12, 13	
LPN 2 Iwo Jima No. of Vessels	18,900	1961	1	2	3	3	4	5	5	6	6	7	
Hull No.				+2	+3	+7		+9	+10		+11	+12	
LKA 113 Charleston No. of Vessels	18,657	1968	-	-	-	-	-	-	-	1	4	5	
Hull No.											+113	+114, 115, 116	+117
LSD 28 Thomaston No. of Vessels	12,150	1954	8	8	8	8	8	8	8	8	8	8	
Hull No.				28, 29, 30, 31, 32, 33, 34, 35									
LSD 36 Anchorage No. of Vessels	14,000	1969	-	-	-	-	-	-	-	-	1	2	
Hull No.												+36	+37
LST 1179 Newport No. of Vessels	8,400	1969	-	-	-	-	-	-	-	-	2		
Hull No.												+1179, 1182	+1180, 1181, 1183, 1184, 1185, 1186, 1187
LCC 19 Blue Ridge No. of Vessels	17,000	1970	-	-	-	-	-	-	-	-	-	1	
Hull No.													+19
Amphibious, Other													
LCC-7 Mc. McKinley No. of Vessels	12,500	1964	5	5	5	5	5	5	5	5	2	2	
LST-515 Caddo Parish No. of Vessels	4,800	1942	35	35	35	35	46	63	57	56	37	19	
LSD-6 Lindemann No. of Vessels	9,200	1942	19	19	19	19	19	19	18	18	10	2	
LPA-44 Fremont No. of Vessels	14,100	1942	26	26	23	22	22	21	17	12	3	2	
LKA 97 Merrick No. of Vessels	14,000	1944	17	17	17	17	17	17	17	14	8	4	
Total Vessels			111	113	112	111	127	144	135	129	91	74	
Total Tons			1,126,000	1,159,551	1,150,802	1,136,702	1,259,141	1,345,541	1,204,967	1,222,137	912,621	860,617	

6-19-80:3

*All entries prior to 1965 are unofficial best estimates.

TABLE 8. AMPHIBIOUS WARFARE VESSELS

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
-	-	-	-	-	1	2	3	4	5	5	5	5	5	5
					+1	+2	+3	+4	+5					
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
+14, 15														
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
5	5	5	5	5	5	5	5	4	3	2	1	1	1	1
								-113	-115	-117	-1			
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
3	5	5	5	5	5	5	5	5	5	5	5	5	5	5
+38	+39, 40													-41
16	20	20	20	20	20	20	20	20	19	18	18	18	18	18
+1188, 1189, 1190, 1191, 1192, 1193, 1194	+1195, 1196, 1197, 1198								-1190	-1191				
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
+20														
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	5	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2	2	2	-	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
72	69	64	64	62	63	64	65	65	63	61	60	60	60	61
877,743	878,592	869,243	869,243	841,043	880,343	919,643	956,943	979,586	977,829	950,772	932,115	932,115	932,115	946,115

6-19-80-4

TABLE 8. AMPHIBIOUS WARFARE VESSELS (Cont'd)

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
-16	-11													
- 836. 1073. 1076. 1077. 1154. 1164. 1168	-1159. 1171. 1173. 1174. 1175. 1177. 1178	-1161. 1166. 1167. 1169. 1170												
-21, 25														
				-248. 249										
-56. 103. 107									-112					

6-19-80-4

TABLE 9. MINE WARFARE VESSELS

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR									
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970
MCS-1 Catskill No. of Vessels	9,000	1942	7	6	6	5	4	3	3	2	1	-
Hull No.			1,2,3,4, 5,6,7	-x		-x	-x	-6		-7	-2	-1
MSC-121 Bluebird No. of Vessels	378	1953	17	17	17	17	18	19	18	9	9	1
Hull No.			121. 191. 192. 193. 194. 195. 196. 197. 198. 199. 205. 206. 207. 208. 209. 289. 290					*201			-121. 191. 192. 193. 194. 195. 196. 197. 201	
MSO-421 Agile No. of Vessels	870	1952	56	56	56	56	56	55	55	55	55	38
Hull No.			421 through 496 (56 Vessels)						-493			
MCM-1 No. of Vessels	1,650	1985	-	-	-	-	-	-	-	-	-	-
Hull No.												
MSO-508 Acme No. of Vessels	750	1955	5	5	5	5	5	5	5	5	5	2
Hull No.			508. 509. 510. 511. 519									
Total Vessels			85	84	84	83	83	81	81	71	70	41
Total Tons			121,896	112,896	112,896	103,896	95,274	85,404	85,404	73,002	64,002	34,938

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 9. MINE WARFARE VESSELS

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-198														
28	11	9	3	3	3	3	3	3	3	3	3	3	3	3
+437, 438, 488 -422, 424, 425, 428, 429, 430, 431, 432, 463, 491, 494, 495, 496	+448, 490 -421, 426, 427, 435, 436 438, 439 441, 444, 447, 455, 457, 461, 464, 473, 474, 488, 489, 492	+438, 488 -438, 440, 445, 488	-433, 437, 442, 446, 449, 456											
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
														+824
2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
		-509, 511												
30	13	9	3	3	3	3	3	3	3	3	3	3	3	4
25,860	11,070	7,830	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	4,260

6-19-80-4

TABLE 10. AUXILIARY SUPPORT VESSELS

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR										
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970	
AE-26 Kilauea	19,937	1968	-	-	-	-	-	-	-	-	2	2	3
No. of Vessels													
Hull No.											+26, 27		+28
AE-21 Surtbacht Mod	17,500	1955	3	3	3	3	4	4	5	4	5	5	
No. of Vessels													
Hull No.			22, 23, 24				+21, 25	-22 +22	+23	-24	+24		
AFS-1 Mars	16,049	1963	-	-	1	2	2	2	3	5	6	7	
No. of Vessels													
Hull No.					+1	+2			+3	+4, 5	+6	+7	
AOE-1 Sacramento	52,483	1964	-	-	-	1	1	1	2	2	3	4	
No. of Vessels													
Hull No.						+1			+2		+3	+4	
AOR-1 Wichita	41,350	1969	-	-	-	-	-	-	-	-	2	4	
No. of Vessels													
Hull No.											+1, 2	+3, 4	
AO-177 Cimarron	27,500	1951	-	-	-	-	-	-	-	-	-	-	
No. of Vessels													
Hull No.													
ASR-21 Pigeon	4,530	1973	-	-	-	-	-	-	-	-	-	-	
No. of Vessels													
Hull No.													
ATS-1 Edenton	3,200	1971	-	-	-	-	-	-	-	-	-	-	
No. of Vessels													
Hull No.													
AGF-3 La Salle	14,651	1964	-	-	-	1	1	1	1	1	1	1	
No. of Vessels													
Hull No.						+3							
ARS-81A	2,000	1964	-	-	-	-	-	-	-	-	-	-	
No. of Vessels													
Hull No.													
Aux., Other (No. of Vessels)													
AE-12 Wrangell	15,300	1944	7	7	7	7	7	7	7	7	7	7	
AE-4 Mount Baker	14,225	1941	5	5	5	5	5	5	5	5	3	-	
AO-51 Ashtabula, Jumbo	34,750	1968	-	-	-	-	-	-	-	2	3	3	
AO-143 Neosho, Missillon, Kennebec, Platte	39,000	1941	36	36	36	36	37	37	37	35	32	25	
AR-5 Vulcan	16,200	1940	4	4	4	4	4	4	4	4	4	4	
ARS-38 Bolster	1,900	1944	6	6	6	6	6	6	6	6	6	6	
ASR-7 Chanticleer	2,290	1942	8	8	8	8	8	8	8	8	8	6	
AG-153 Compass Island	17,600	1956	1	1	1	1	1	1	1	1	1	1	
ATF-67 Apache	1,675	1942	22	22	22	22	22	22	22	22	21	21	
Total Vessels			92	92	93	96	98	98	101	104	104	97	
Total Tons			1,783,695	1,783,695	1,799,744	1,882,927	1,939,427	1,939,427	2,025,459	2,071,431	2,127,788	1,978,702	

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 10. AUXILIARY SUPPORT VESSELS

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
5	8	8	8	8	8	8	8	8	8	8	8	8	8	8
+29, 32	+33, 34, 35													
5	5	5	5	5	5	5	5	5	4	3	3	1	1	1
									-24	-1		-1, 2		
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	6	6	6	7	7	7	7	7	7	7	7	7	7
+5		+6			+7									
-	-	-	-	-	-	-	-	-	-	3	5	5	5	5
										+177, 178, 179	+180, 186			
-	-	2	2	2	2	2	2	2	2	2	2	2	2	2
		+21, 22												
1	3	3	3	3	3	3	3	3	3	3	3	3	3	3
+1	+2, 3													
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
													+81A	+82A, 82B
5	4	4	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3	3	3	3	3	3	3	3	3	2	1	-	-	-
75	23	16	14	8	7	7	5	4	1	-	-	-	-	-
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	6	6	6	5	6	6	6	6	6	6	6	6	6	6
6	6	4	4	4	4	2	2	2	2	-	-	-	-	-
1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
18	17	17	16	14	14	12	4	4	2	-	-	-	-	-
96	97	91	84	76	76	72	62	61	55	52	51	48	49	51
2,027,501	1,998,737	1,771,567	1,630,692	1,393,342	1,396,692	1,387,762	1,296,362	1,257,362	1,119,512	1,089,312	1,105,482	1,035,732	1,037,732	1,241,732

6-19-80-4

TABLE 10. AUXILIARY SUPPORT VESSELS (Cont'd)

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR											
			1961*	1962*	1963*	1964*	1965	1966	1967	1968	1969	1970		
Patrol Hydrofoil, Missile PMN-1 Pegasus No. of Vessels	238	1977	-	-	-	-	-	-	-	-	-	-	-	-
Submarine Tenders for SSN's AS-11 Fulton No. of Vessels	18,000	1959	6	6	6	6	6	6	6	6	6	6	5	
Hull No.			11, 12, 15, 16, 17, 18										-15	
AS-36 Spear No. of Vessels	23,493	1970	-	-	-	-	-	-	-	-	-	-	1	
Hull No.													+36	
AS-39 Land No. of Vessels	22,646	1979	-	-	-	-	-	-	-	-	-	-	-	
Hull No.														
Submarine Tenders for SSBN's AS-19 Proteus No. of Vessels	19,000	1960	1	1	1	1	1	1	1	1	1	1	1	
Hull No.			19											
AS-31 Hunley No. of Vessels	19,819	1962	-	1	2	2	2	2	2	2	2	2	2	
Hull No.				+31	+32									
AS-33 Lake No. of Vessels	21,000	1964	-	-	-	1	2	2	2	2	2	2	2	
Hull No.						+33	+34							
Destroyer Tenders for DDG & DDG AD-37 Gompers No. of Vessels	20,161	1967	-	-	-	-	-	-	1	2	2	2	2	
Hull No.									- 37	+38				
AD-41 Yellowstone No. of Vessels	20,300	1980	-	-	-	-	-	-	-	-	-	-	-	
Hull No.														
AD Others No. of Vessels	Avg. 17,050		15	15	15	15	15	15	15	13	13	11		
Hull No.			14, 15, 16, 17, 18, 19, 23, 24, 25, 26, 27, 28, 29, 31, 36							-23, 25		-24, 29		
Total Vessels			22	23	24	25	26	26	27	26	26	24		
Total Tons			382,750	402,569	422,388	443,388	464,388	464,388	484,549	470,610	470,610	442,003		
Total Vessels (preceding page)			92	92	93	96	98	98	101	104	104	97		
Total Tons (preceding page)			1,783,695	1,783,695	1,799,744	1,882,927	1,939,427	1,939,427	2,025,459	2,071,431	2,127,788	1,978,702		
Total, All Auxiliaries Vessels			114	115	117	121	124	124	128	130	130	121		
Tons			2,166,445	2,186,254	2,222,132	2,326,315	2,403,815	2,403,815	2,510,008	2,542,041	2,598,398	2,420,705		

6-19-80-3

*All entries prior to 1965 are unofficial best estimates.

TABLE 10. AUXILIARY SUPPORT VESSELS (Cont'd)

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
-	-	-	-	-	-	1	1	1	1	3	6	6	6	6
						+1				+3, 4	+2, 5, 6			
4	4	4	4	4	4	4	4	4	4	2	2	2	2	2
-17										-1, X				
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
+37														
-	-	-	-	-	-	-	-	2	2	3	3	3	3	3
								+39, 40		+41				
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
-	-	-	-	-	-	-	-	-	1	3	3	4	4	4
									+41	+42, 43		+44		
9	9	9	7	7	7	7	7	7	6	5	5	5	5	5
-28, 31			-16, 27						-26	-36				
22	22	22	20	20	20	21	21	23	23	25	28	29	29	29
413,396	413,396	413,396	379,296	379,296	379,296	379,534	379,534	424,826	428,076	438,748	439,462	459,762	459,762	459,762
96	97	91	84	76	76	72	62	61	55	52	51	48	49	51
2,027,501	1,998,737	1,771,567	1,630,692	1,393,342	1,396,692	1,387,762	1,296,362	1,257,362	1,119,512	1,089,812	1,105,482	1,035,732	1,037,732	1,041,732
118	119	113	104	96	96	93	83	84	78	77	79	77	78	80
2,440,897	2,412,133	2,184,963	2,009,988	1,772,638	1,774,988	1,767,296	1,675,896	1,682,188	1,547,588	1,528,560	1,544,944	1,495,494	1,497,494	1,501,494

6-19-80-4

TABLE 10. AUXILIARY SUPPORT VESSELS (Cont'd)

CLASS DESIGNATION	TONS PER VESSEL	IOC YEAR	CALENDAR YEAR										
			1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	
AE 12 Wrangell Hull No.													-12, 14
AE 4 Lassen Hull No.												-4, 6	-5, 8, 9
AO 51 Ashtabula Hull No.											+51, 99	+98	
AO 143 Neosha, Missillon, Kennebec, Platte Hull No.								+43			-25, 39	-27, 43, 54	-24, 30, 36, 41, 47, 55, 97
AR 5 Vulcan Hull No.			5, 6, 7, 8										
ARS 38 Bolster Hull No.			38, 39, 40, 41, 42, 43										
ASR 7 Chanticleer Hull No.													-10, 12
AG 153 Compass Island Hull No.													
ATF 67 Apache Hull No.												-107	

6-19-80-3

TABLE 10. AUXILIARY SUPPORT VESSELS (Cont'd)

CALENDAR YEAR														
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
-18		-15, 16, 17, 19												
										-X	-X	-X		
	-62, 100	-52, 53, 57, 88, 60, 63 107	-61 105	-32, 56, 64, 106, 108, 109	-144		-143, 145	-146	-147, 148, X	-X				
		-7, 20				-8, 16						-X, X		
										-153				
-91, 98, 163	-75		-67	-92, 156		-105, 159	-84, 96, 101, 103, 106, 114, 157, 161		-113, 162	-X, X				

6-19-80-4

TABLE 11. FLEET ACCUMULATION--NUMBER OF VESSELS

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
Nuclear Ballistic Missile Submarines	6	9	16	29	34	40	41	41	35	35	32	34
Nuclear Attack Submarines	16	18	18	22	22	25	31	36	43	46	53	57
	22	27	34	51	56	65	72	77	78	81	85	91
Diesel Attack Submarines	88	86	83	73	73	73	73	68	61	53	44	29
	110	113	117	124	129	138	145	145	139	134	129	120
Aircraft Carriers	25	25	24	24	25	23	23	23	20	19	17	16
	135	138	141	148	154	161	168	168	159	153	146	136
Cruisers	10	14	21	24	25	29	32	32	28	27	27	29
	145	152	162	172	179	190	200	200	187	180	173	165
Destroyers	217	225	229	228	220	218	220	212	175	145	136	112
	362	377	391	400	399	408	420	412	362	325	309	277
Frigates	17	17	19	20	25	27	32	32	37	50	61	63
	379	394	410	420	424	435	452	444	399	375	370	340
Amphibious Warfare Vessels	111	113	112	111	127	144	135	129	91	74	72	69
	490	507	522	531	551	579	587	573	490	449	442	409
Mine Warfare Vessels	85	84	84	83	83	81	81	71	70	41	30	13
	575	591	606	614	634	660	668	644	560	490	472	422
Auxiliary Support Vessels	114	115	117	121	124	124	128	130	130	121	118	119
	689	706	723	735	758	784	796	774	690	611	590	541

TABLE 11. FLEET ACCUMULATION—NUMBER OF VESSELS

1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
35	36	39	39	41	40	36	35	40	41	42	42	44
59	62	64	64	67	71	72	72	80	84	87	92	95
94	98	103	103	108	111	108	107	120	125	129	134	139
15	13	11	11	10	8	7	5	5	4	3	1	1
109	111	114	114	118	119	115	112	125	129	132	135	140
14	14	15	13	13	13	13	12	11	13	13	13	13
123	125	129	127	131	132	128	124	136	142	145	148	153
28	28	27	27	28	29	28	28	27	27	27	27	27
151	153	156	154	159	161	156	152	163	169	172	175	180
70	69	69	62	64	68	75	80	84	84	85	85	85
221	222	225	216	223	229	231	232	247	253	257	260	265
64	65	65	65	66	66	67	72	81	89	99	104	108
285	287	290	281	289	295	298	304	328	342	356	364	373
64	64	62	63	64	65	65	63	61	60	60	60	61
349	351	352	344	353	360	363	367	389	402	416	424	434
9	3	3	3	3	3	3	3	3	3	3	3	4
358	354	355	347	356	363	366	370	392	405	419	427	438
113	104	96	96	93	83	84	78	77	79	77	78	80
471	458	451	443	449	446	450	448	469	484	496	505	518

TABLE 12. FLEET ACCUMULATION—THOUSANDS OF TONS

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
Nuclear Ballistic Missile Submarines	41	65	122	229	270	319	328	328	278	278	254	270
Nuclear Attack Submarines	59	68	68	86	86	100	127	151	182	196	228	246
	100	133	190	315	356	419	455	479	460	474	482	
Diesel Attack Submarines	215	211	203	179	179	179	179	167	151	131	110	74
	315	344	393	494	535	598	634	646	611	605	592	590
Aircraft Carriers	1356	1356	1317	1317	1398	1295	1295	1337	1222	1209	1125	1087
	1671	1700	1710	1811	1933	1893	1929	1983	1833	1814	1717	1677
Cruisers	161	213	279	304	313	347	373	424	325	301	301	317
	1832	1913	1989	2115	2246	2240	2302	2407	2158	2115	2018	1994
Destroyers	782	819	837	838	810	802	809	782	652	552	525	441
	2614	2732	2826	2953	3056	3042	3111	3189	2810	2667	2543	2435
Frigates	32	32	37	41	57	64	81	87	107	161	206	227
	2646	2764	2863	2994	3113	3106	3192	3276	2917	2828	2749	2662
Amphibious Warfare Vessels	1126	1160	1151	1137	1259	1346	1285	1222	913	861	878	879
	3772	3924	4014	4131	4372	4452	4477	4498	3830	3689	3627	3541
Mine Warfare Vessels	122	113	113	104	95	85	85	73	64	35	26	11
	3894	4037	4127	4235	4467	4537	4562	4571	3894	3724	3653	3552
Auxiliary Support Vessels	2166	2186	2222	2326	2404	2404	2510	2542	2598	2421	2441	2412
	6060	6223	6349	6561	6871	6941	7072	7113	6492	6145	6094	5964

TABLE 12. FLEET ACCUMULATION—THOUSANDS OF TONS

1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
278	287	311	311	328	319	287	281	341	360	388	399	434
255	271	280	282	303	331	338	341	396	424	444	479	500
533	558	591	593	631	650	625	622	737	784	832	878	934
40	35	30	30	28	23	20	14	14	11	8	3	3
573	593	621	623	659	673	645	636	751	795	840	881	937
1007	1007	1101	1018	1048	1048	1048	968	904	1079	1079	1079	1079
1580	1600	1722	1641	1707	1721	1693	1604	1655	1874	1919	1960	2016
302	295	276	272	283	294	279	264	249	249	241	242	244
1882	1895	1998	1913	1990	2015	1972	1868	1904	2123	2160	2202	2260
298	295	302	292	328	375	430	470	502	502	510	510	510
2180	2190	2300	2205	2318	2390	2402	2338	2406	2625	2670	2712	2770
240	251	251	251	255	255	258	276	309	338	374	392	406
2420	2441	2551	2456	2573	2645	2660	2614	2715	2963	3044	3104	3176
869	869	841	880	920	959	980	978	951	932	932	932	946
3289	3310	3392	3336	3493	3604	3640	3592	3666	3895	3976	4036	4122
8	3	3	3	3	3	3	3	3	3	3	3	4
3297	3313	3395	3339	3496	3607	3643	3592	3669	3898	3979	4039	4126
2185	2010	1773	1775	1767	1676	1682	1548	1529	1545	1495	1497	1501
5482	5323	5168	5114	5263	5283	5325	5143	5198	5443	5474	5536	5627

TABLE 13. AVERAGE AGE--YEARS

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Nuclear Ballistic Missile Submarines											
Σ of Ages	7.0	14.5	27.0	49.5	81.0	118.0	158.5	199.5	207.5	242.5	268.0
No. of Vessels	6	9	16	29	34	40	41	41	35	35	32
Average Age	1.2	1.6	1.7	1.7	2.4	3.0	3.9	4.9	5.9	6.9	8.4
Nuclear Attack Submarines											
Σ of Ages	38.0	55.0	71.0	91.0	113.0	136.5	164.5	190.0	207.5	252.0	301.5
No. of Vessels	16	18	18	22	22	25	31	36	43	46	53
Average Age	2.4	3.1	3.9	4.1	5.1	5.5	5.3	5.3	4.8	5.5	5.7
Diesel Attack Submarines											
Σ of Ages	1374.0	1425.0	1452.5	1330.5	1403.5	1476.5	1549.5	1499.0	1389.5	1239.5	1048.0
No. of Vessels	88	86	83	73	73	73	73	68	61	53	44
Average Age	15.6	16.6	17.5	18.2	19.2	20.2	21.2	22.0	22.8	23.4	23.8
Aircraft Carriers											
Σ of Ages	328.5	353.5	358.0	382.0	406.5	388.5	411.5	410.5	362.0	347.5	311.5
No. of Vessels	25	25	24	24	25	23	23	23	20	19	17
Average Age	13.1	14.1	14.9	15.9	16.3	16.9	17.9	17.8	17.9	18.3	18.3
Cruisers											
Σ of Ages	150.0	162.0	178.5	202.0	226.5	253.5	279.0	306.5	266.0	267.5	295.5
No. of Vessels	10	14	21	24	25	29	32	32	28	27	27
Average Age	15.0	11.6	8.5	8.4	9.1	8.7	8.7	9.6	9.5	9.9	10.9
Destroyers											
Σ of Ages	3297.5	3518.5	3745.5	3878.0	3939.0	4144.0	4382.0	4361.0	3673.5	3050.5	2909.0
No. of Vessels	217	225	229	228	220	218	220	212	175	145	136
Average Age	15.2	15.6	16.4	17.0	17.9	19.0	19.9	20.6	21.0	21.0	21.4
Frigates											
Σ of Ages	75.5	92.5	110.5	130.0	152.5	178.5	208.0	197.0	231.5	275.0	330.5
No. of Vessels	17	17	19	20	25	27	32	32	37	50	61
Average Age	4.4	5.4	5.8	6.5	6.1	6.6	6.5	6.2	6.3	5.5	5.4
Amphibious Warfare Vessels											
Σ of Ages	1649.5	1756.5	1813.0	1904.5	2254.0	2739.5	2721.0	2733.0	1515.0	852.5	691.5
No. of Vessels	111	113	112	111	127	144	135	129	91	74	72
Average Age	14.9	15.6	16.2	17.2	17.7	19.0	20.2	21.2	16.6	11.5	9.6
Mine Warfare											
Σ of Ages	691.5	757.0	841.0	903.5	967.5	1015.5	1096.5	1021.5	1065.0	684.5	533.0
No. of Vessels	85	84	84	83	83	81	81	71	70	41	30
Average Age	8.1	9.0	10.0	10.9	11.7	12.5	13.5	14.4	15.2	16.7	17.8

TABLE 13. AVERAGE AGE-YEARS

1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
316.0 34 9.4	345.5 35 9.9	389.0 36 10.8	462.5 39 11.9	502.5 39 12.9	568.5 41 13.9	597.0 40 14.9	580.0 36 16.1	589.5 35 16.8	676.5 40 16.9	712.0 41 17.4	730.5 42 17.4	749.5 42 17.8	793.5 44 18.0
356.5 57 6.3	414.5 59 7.0	475.0 62 7.7	538.0 64 8.4	586.0 64 9.2	651.5 67 9.7	720.5 71 10.1	792.0 72 11.0	839.0 72 11.7	922.5 80 11.5	1002.0 84 11.9	1089.0 87 12.5	1181.0 92 12.8	1274.5 95 13.4
667.5 29 23.0	304.5 15 20.3	266.5 13 20.5	220.5 11 20.0	231.5 11 21.0	221.0 10 22.1	181.0 8 22.6	161.5 7 23.1	110.5 5 22.1	115.5 5 23.1	96.0 4 24.0	72.5 3 24.2	25.5 1 25.5	26.5 1 26.5
299.0 16 18.7	255.0 14 18.2	269.0 14 19.2	283.5 15 18.9	239.5 13 18.4	220.5 13 17.0	233.5 13 18.0	246.5 13 19.0	235.0 12 19.6	212.5 11 19.3	250.5 13 19.3	263.5 13 20.3	276.5 13 21.3	389.5 13 22.3
340.5 29 11.7	340.0 28 12.1	356.0 28 12.7	346.5 27 12.8	342.5 27 12.7	370.0 28 13.2	398.5 29 13.7	392.0 28 14.0	401.0 28 14.3	392.5 27 14.5	419.5 27 15.5	425.5 27 15.8	430.5 27 15.9	413.5 27 15.3
2403.0 112 21.5	1335.0 70 19.1	1374.5 69 19.9	1395.5 69 20.2	1154.0 62 18.6	1091.0 64 17.0	1074.0 68 15.8	1145.5 75 15.3	1223.0 80 15.3	1306.0 84 15.5	1390.0 84 16.5	1474.5 85 17.3	1559.5 85 18.3	1644.5 85 19.3
296.5 63 4.7	295.0 64 4.6	315.5 65 4.9	380.5 65 5.9	445.5 65 6.9	511.0 66 7.7	577.0 66 8.7	643.5 67 9.6	713.0 72 9.9	791.0 81 9.8	875.5 89 9.8	972.0 99 9.8	1072.5 104 10.3	1178.5 108 10.9
613.0 69 8.9	603.0 64 9.4	667.0 64 10.4	686.0 62 11.1	749.5 63 11.9	813.0 64 12.7	877.5 65 13.5	931.5 65 14.3	951.5 63 15.1	990.5 61 16.2	1038.0 60 17.3	1098.0 60 18.3	1158.0 60 19.3	1218.5 61 20.0
136.5 13 18.2	174.5 9 19.4	52.5 3 17.5	555.5 3 18.5	58.5 3 19.5	61.5 3 20.5	64.5 3 21.5	67.5 3 22.5	70.5 3 23.5	73.5 3 24.5	76.5 3 25.5	79.5 3 26.5	82.5 3 27.5	86.0 4 21.5

TABLE 14. HULL CATEGORY CHANGES

<u>Old Category</u>	<u>Lead Ship</u>	<u>New Category</u>
DLG 6	Farragut	DDG 37
DLG 9	Coontz	DDG 40
DD 936	Decatur	DDG 31
DLGN 25	Bainbridge	CGN 25
DLGN 36	California	CGN 36
DDG 47	Ticonderoga	CG 47
CV 14	Ticonderoga	struck in 1973
DLGN 38	Virginia	CGN 38
CL 93	Galveston	CLG 3
CA 123	Albany	CG 10
DLG 16	Leahy	CG 16
CLGN	Long Beach	CGN 9
DE all	Bronstein, Knox, Garcia 1037 1052 1040	FF all
DEG 1	Brooke	FFG 1
PF 109	Oliver Hazard Perry	FFG 7
APA 44	Fremont	LPA 44
AGC 19	Blue Ridge	LCC 19
CA 69	Boston	SSN 703

FIGURES

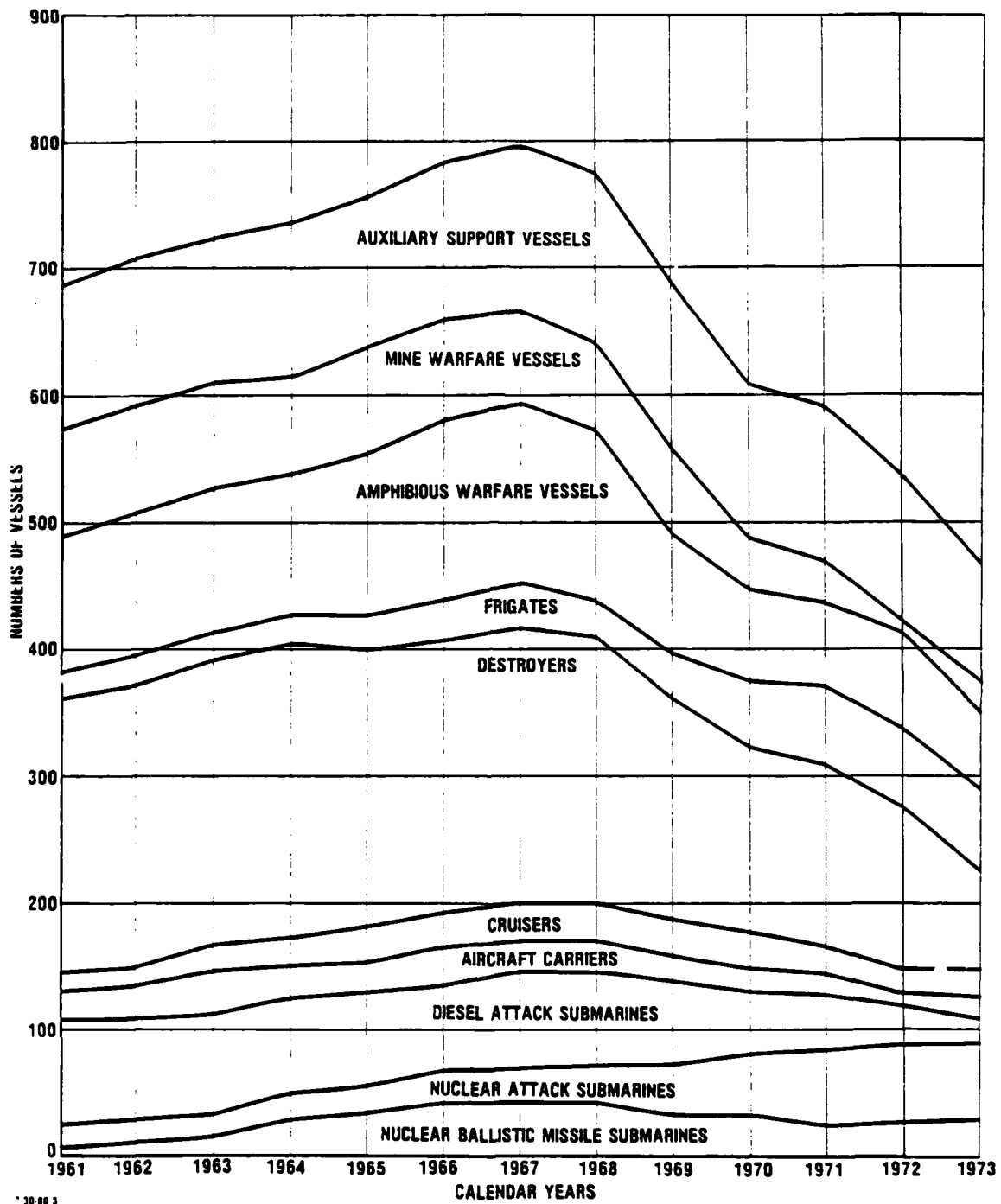
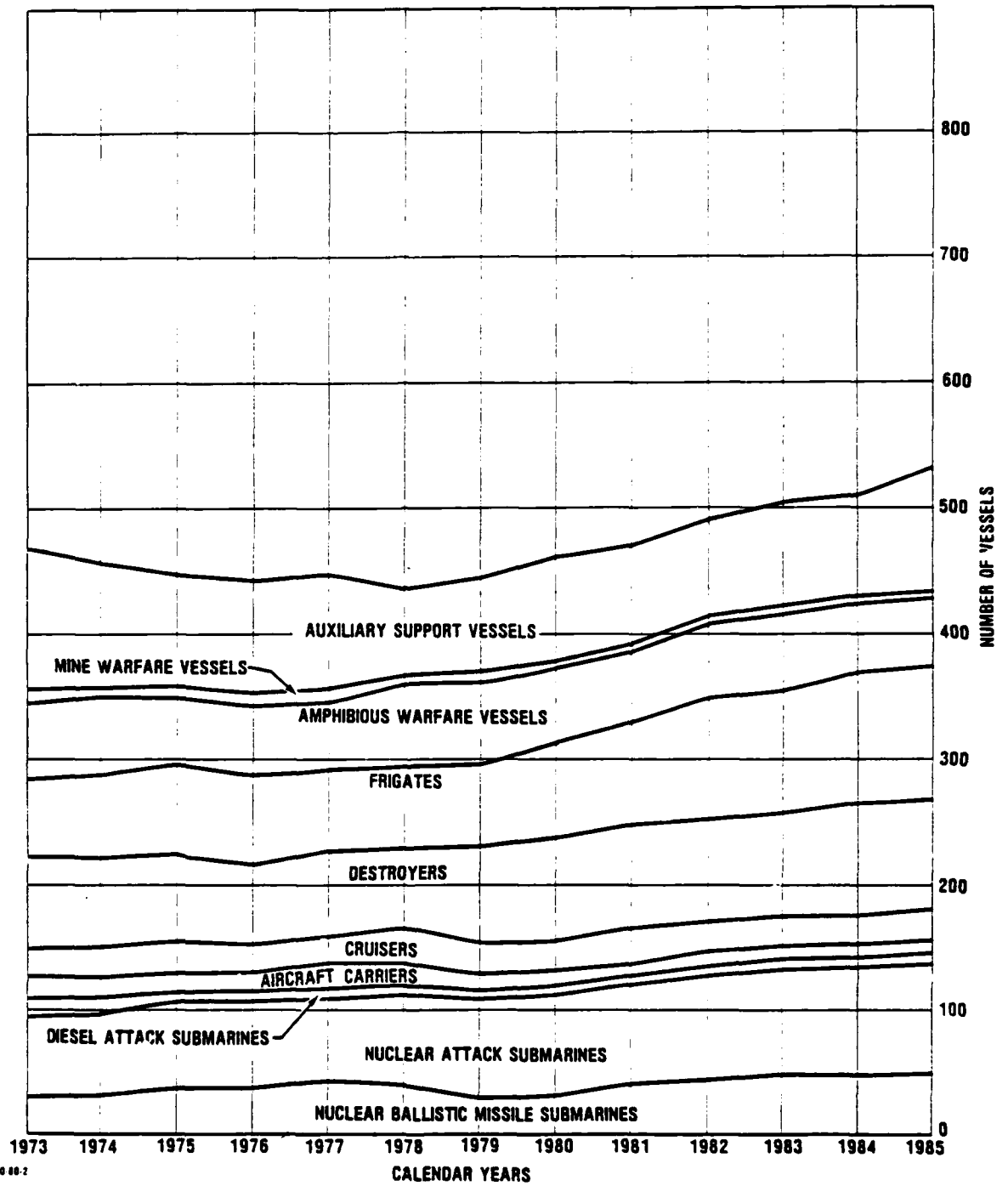


FIGURE 1. Fleet Accumulation

48 + 49 Blank



by Number of Vessels

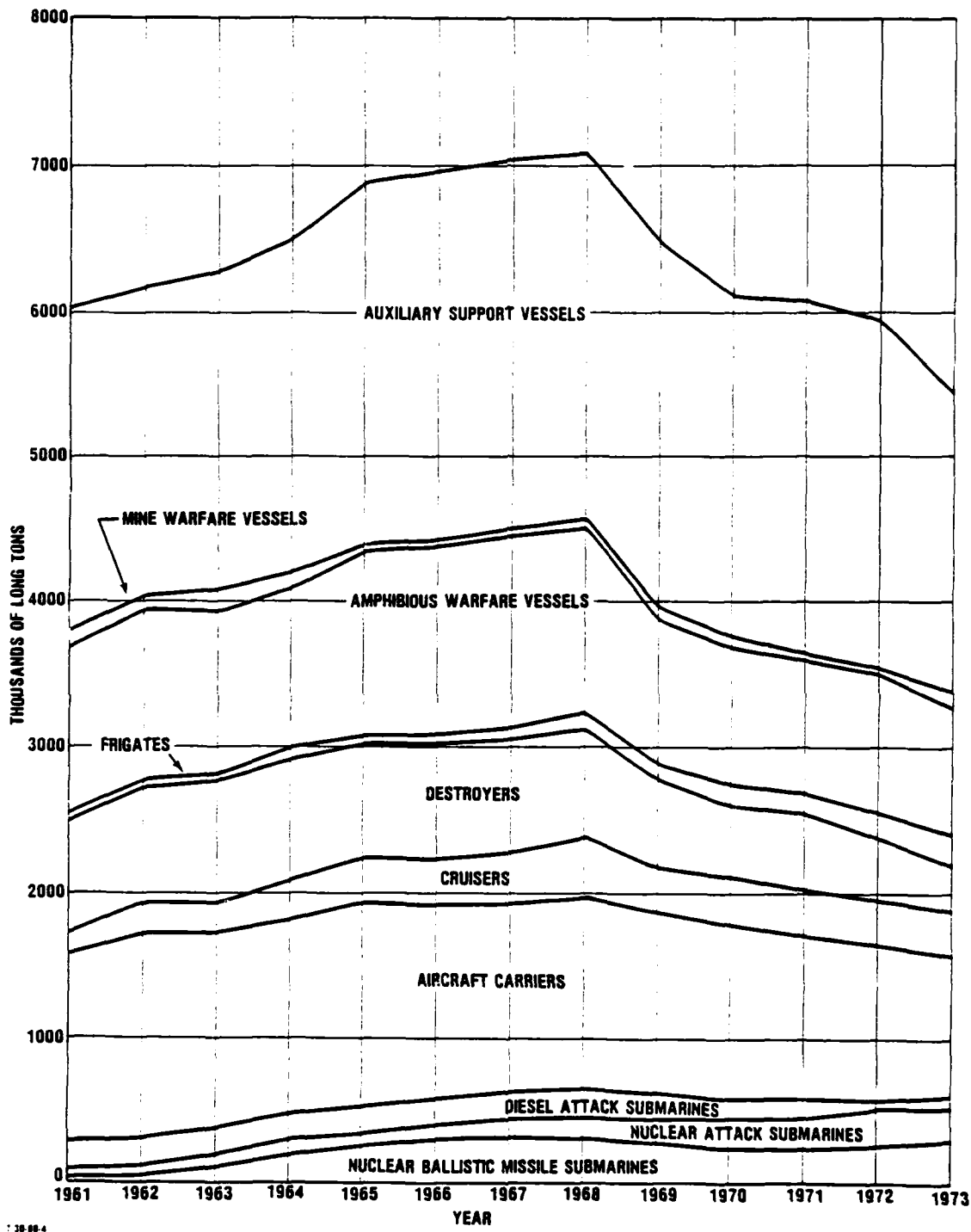
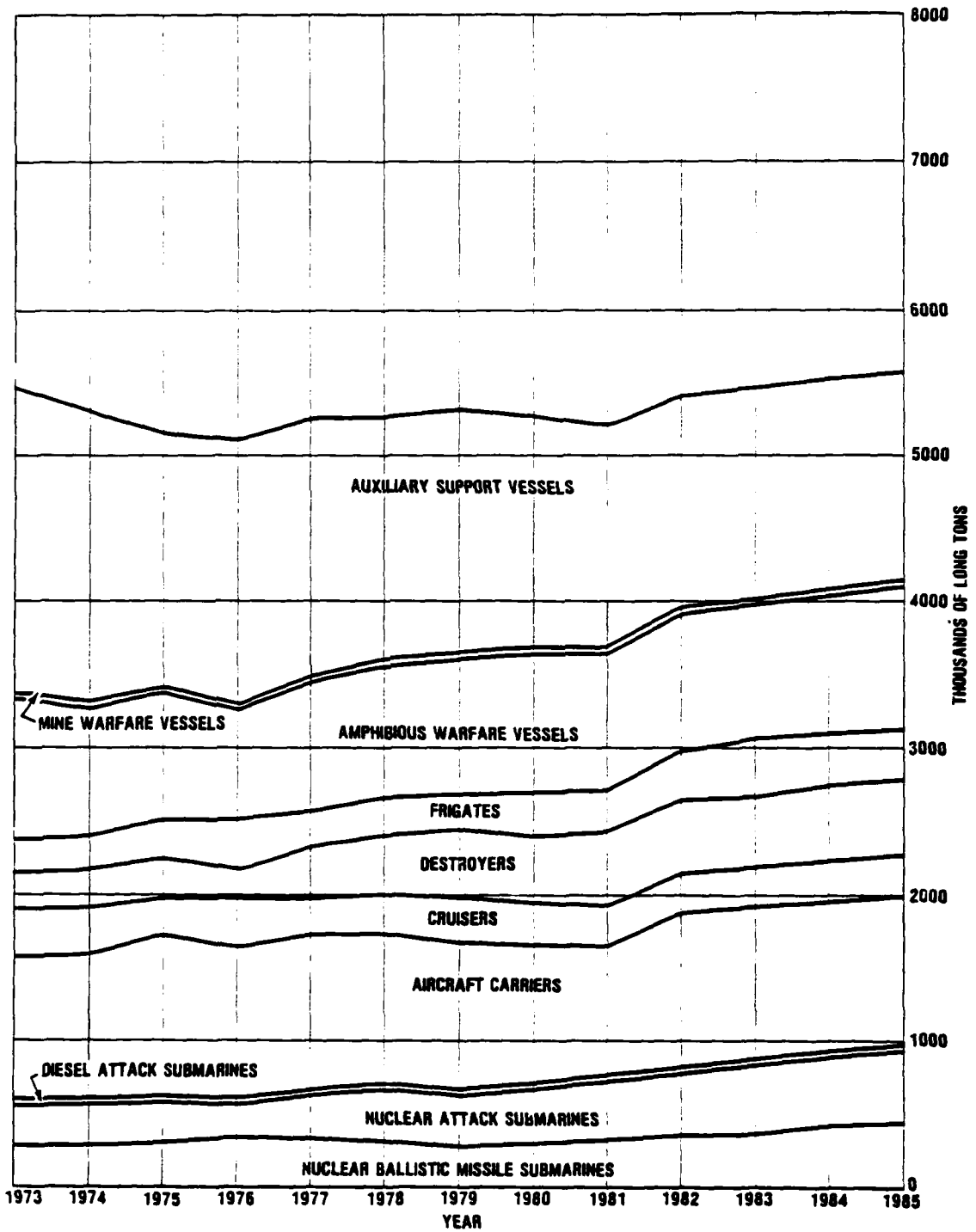
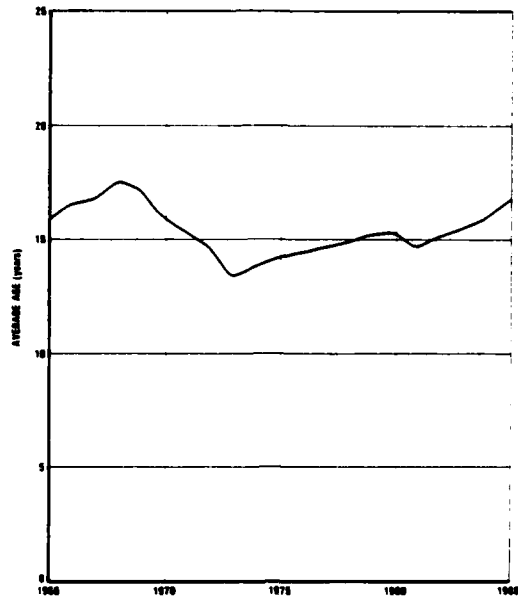


FIGURE 2. Fleet Accumulation



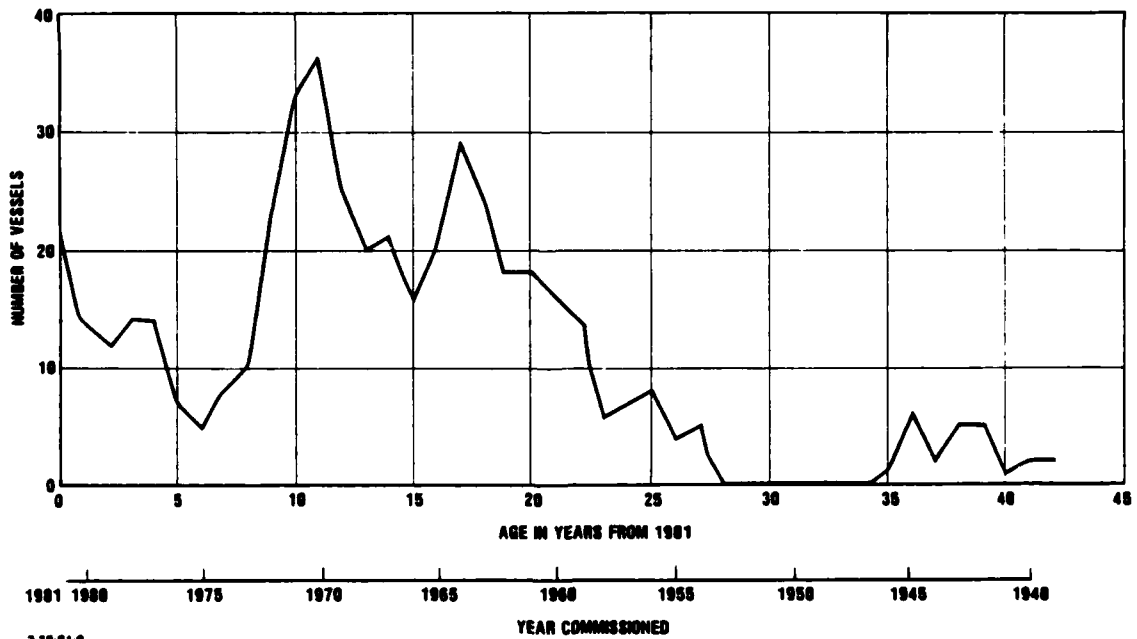
10 00-1

by Displacement Weight



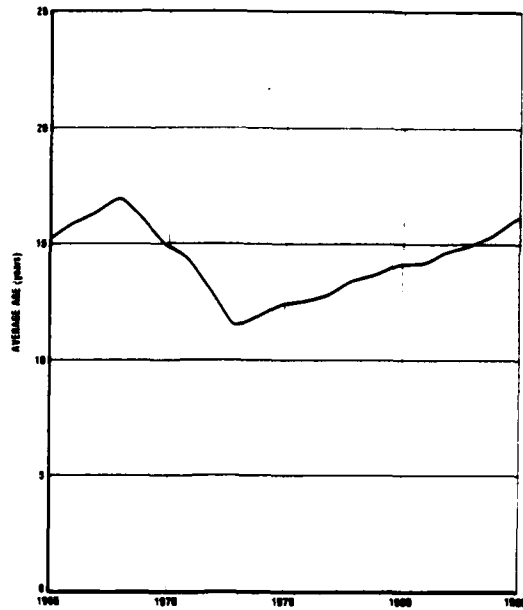
10-15-88-48

FIGURE 3. Active Fleet - Average Age



3-20-81-9

FIGURE 4. Active Fleet - Age Distribution



10-19-88-47

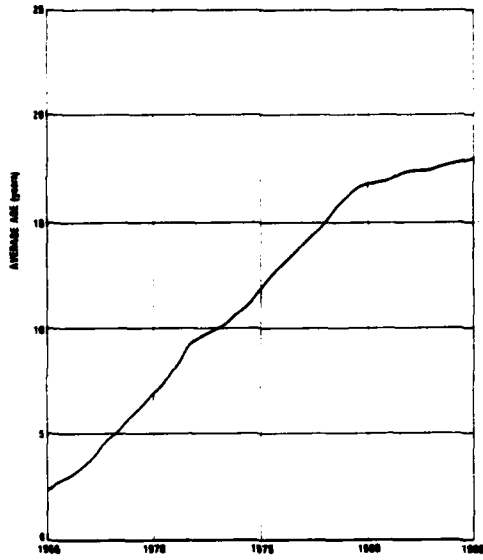
FIGURE 5. Active Fleet (less auxiliaries)—Average Age



3-25-81-21

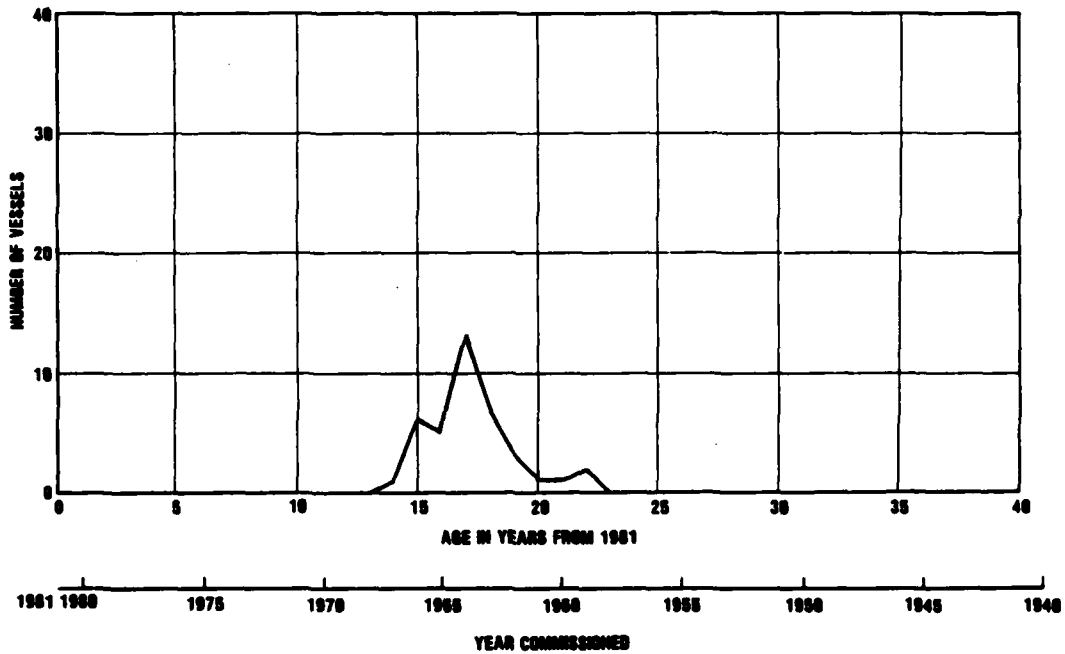
YEAR COMMISSIONED

FIGURE 6. Active Fleet (less auxiliaries)—Age Distribution



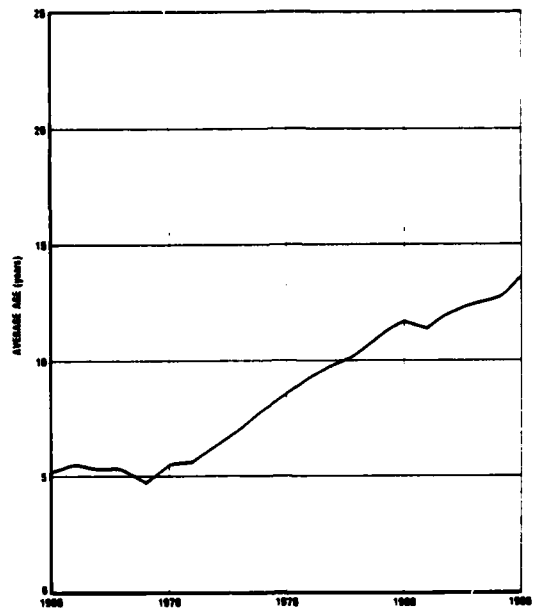
3-26-81-22

FIGURE 7. Nuclear Ballistic Missile Submarines—Average Age



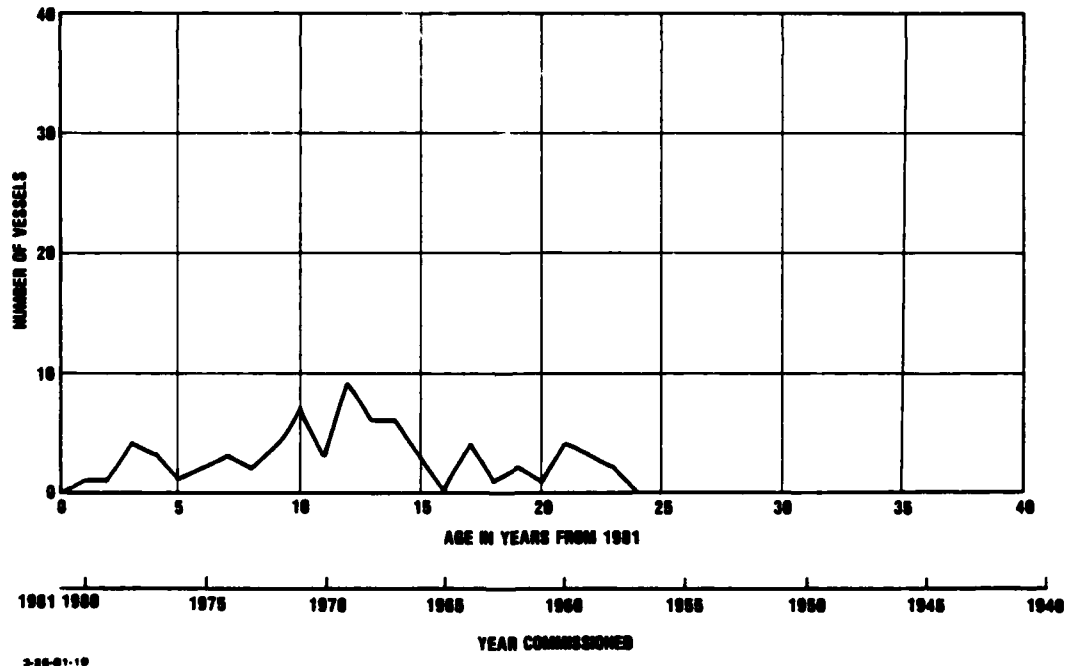
3-26-81-20

FIGURE 8. Nuclear Ballistic Missile Submarines—Age Distribution



16-15-00-37

FIGURE 9. Nuclear Attack Submarines—Average Age



3-00-01-10

FIGURE 10. Nuclear Attack Submarines—Age Distribution

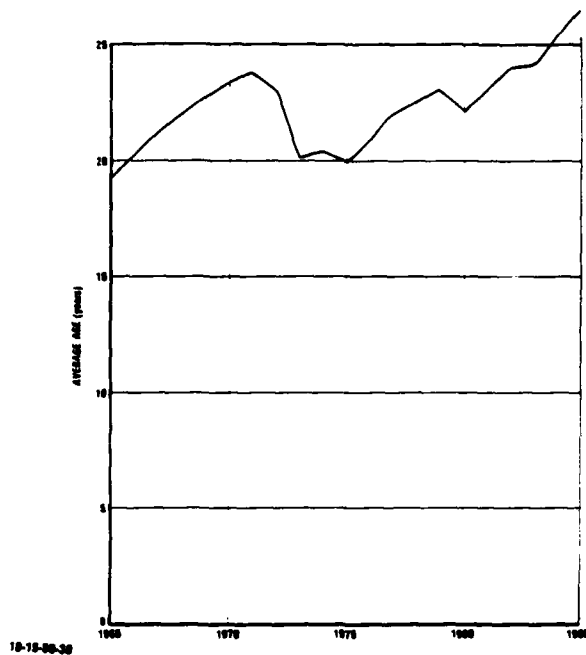


FIGURE 11. Diesel Attack Submarines—Average Age

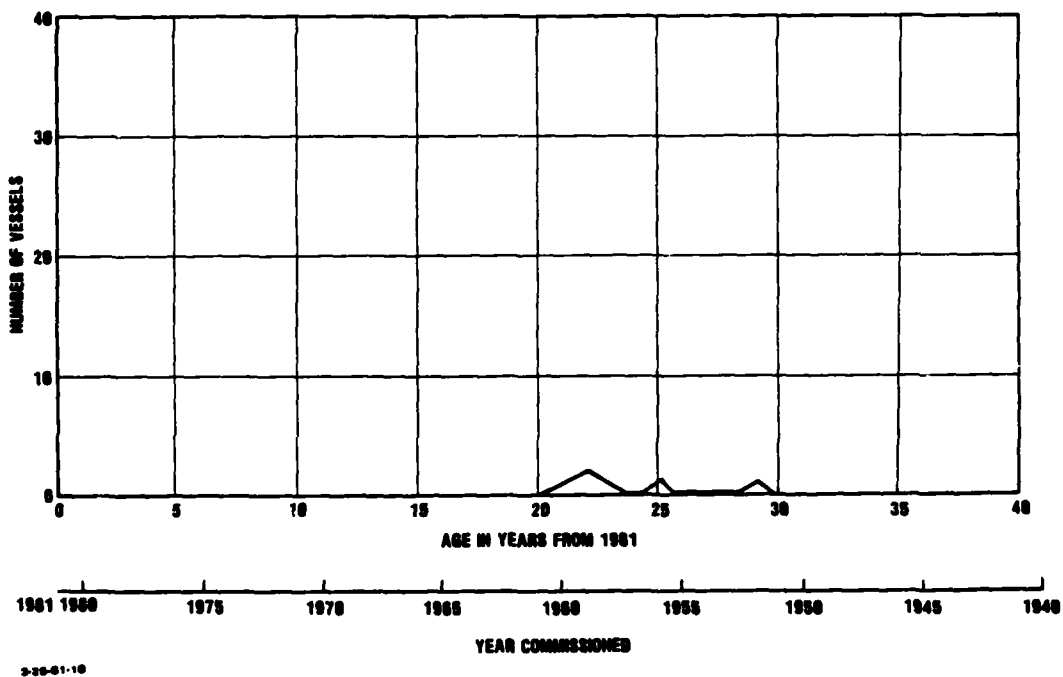


FIGURE 12. Diesel Attack Submarines—Age Distribution

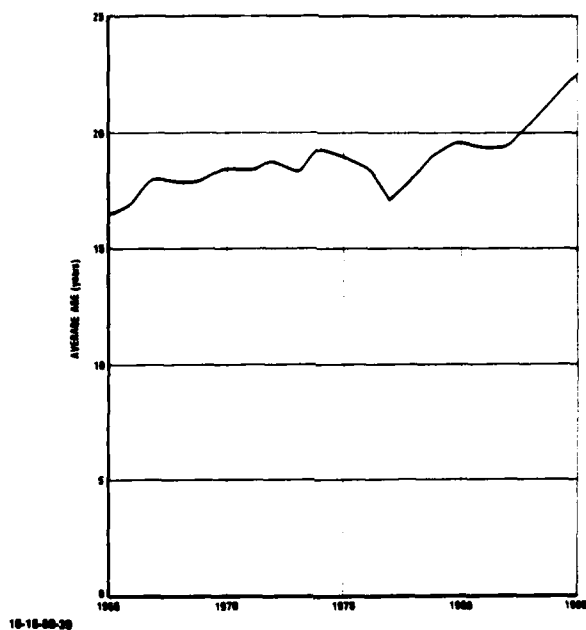


FIGURE 13. Aircraft Carriers—Average Age

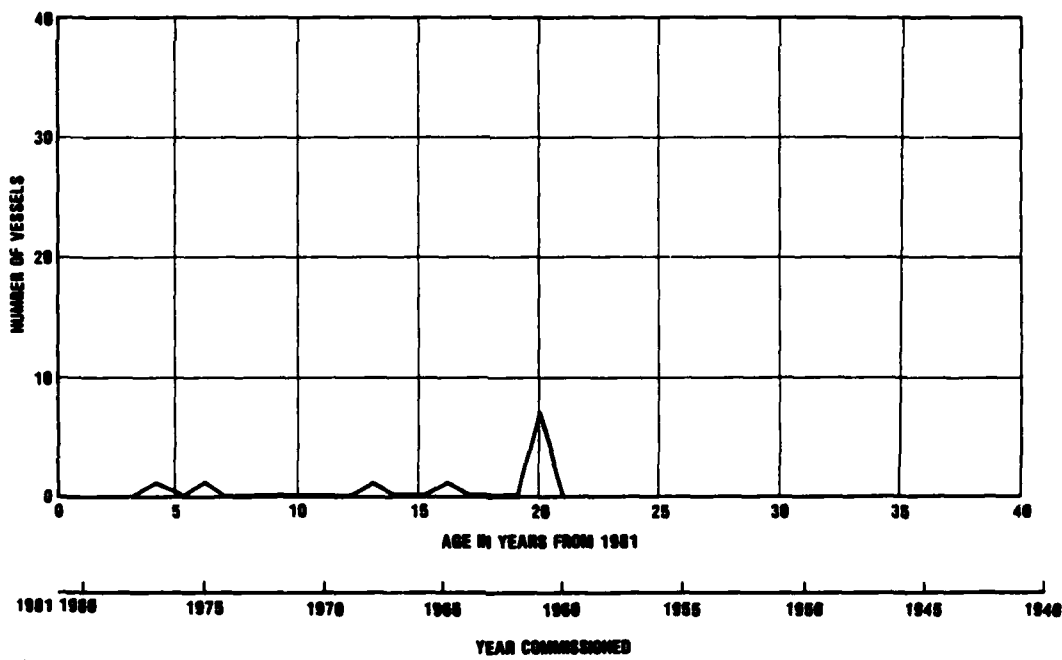
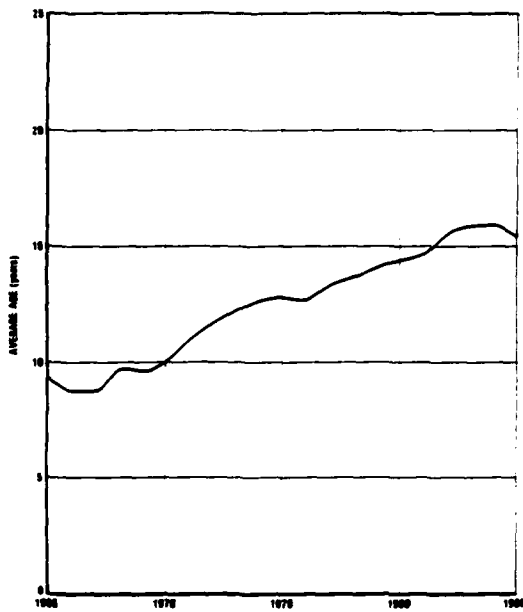
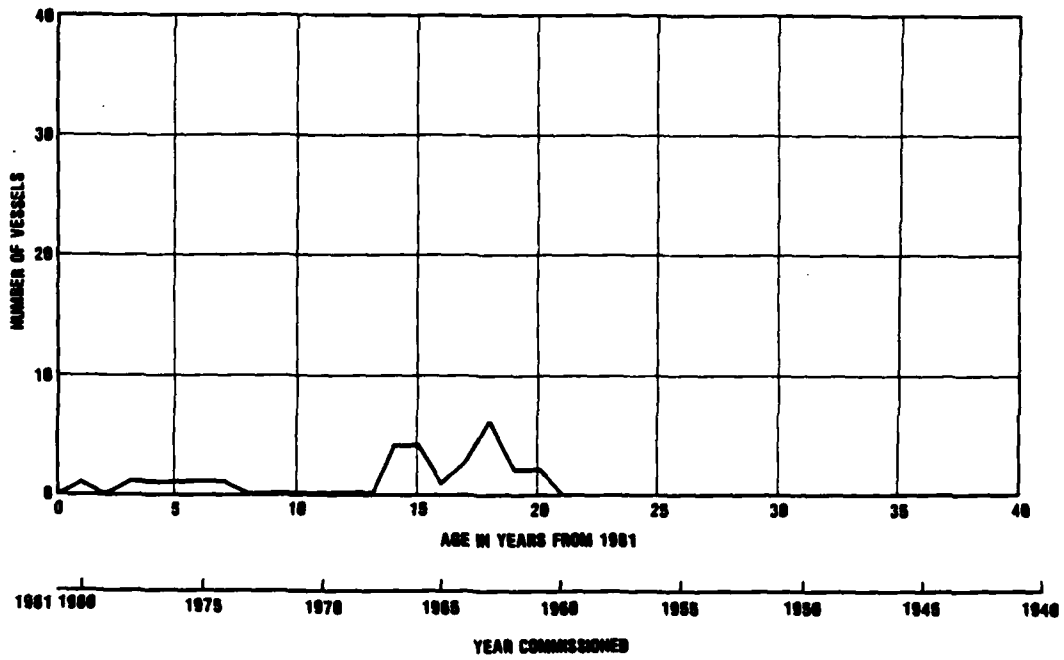


FIGURE 14. Aircraft Carriers—Age Distribution



10-10-80-40

FIGURE 15. Cruisers—Average Age



3-20-81-10

FIGURE 16. Cruisers—Age Distribution

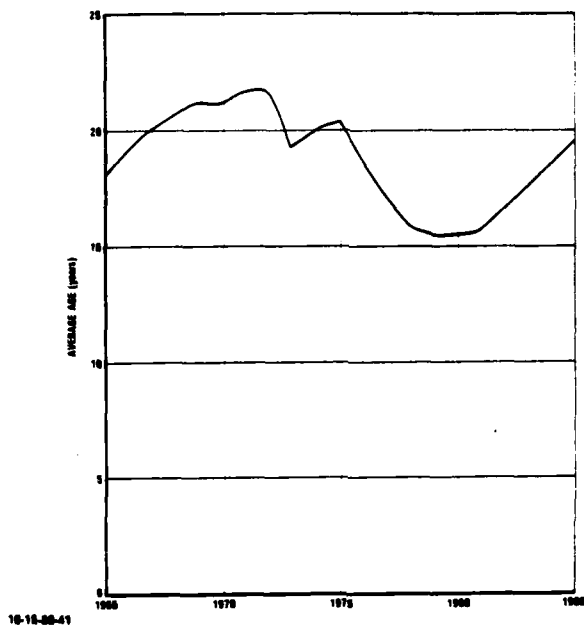


FIGURE 17. Destroyers—Average Age

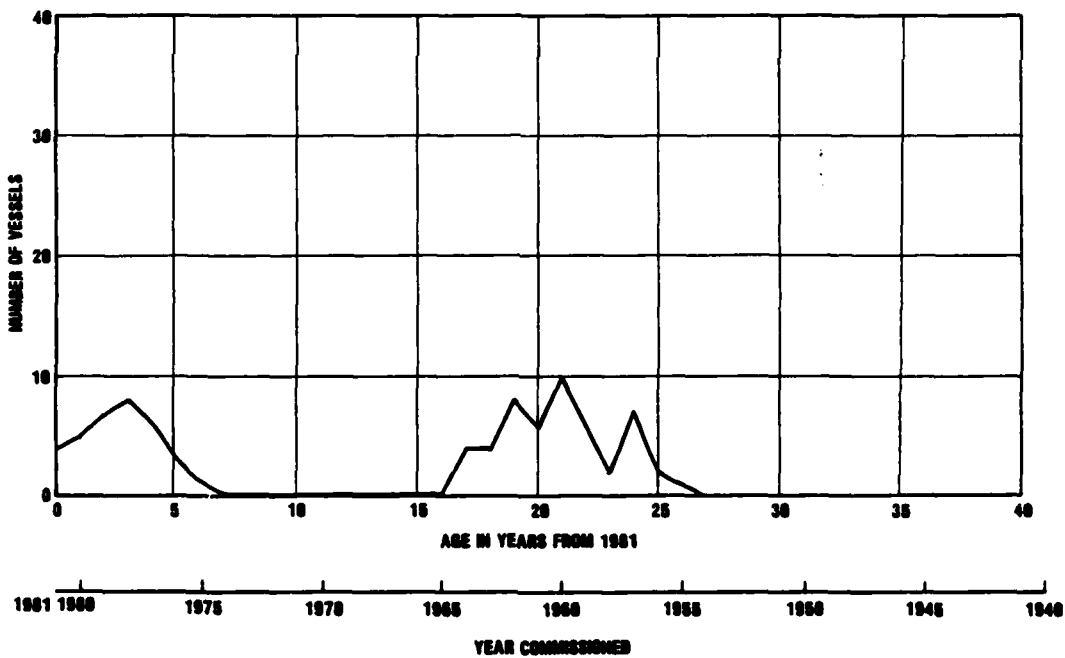


FIGURE 18. Destroyers—Age Distribution

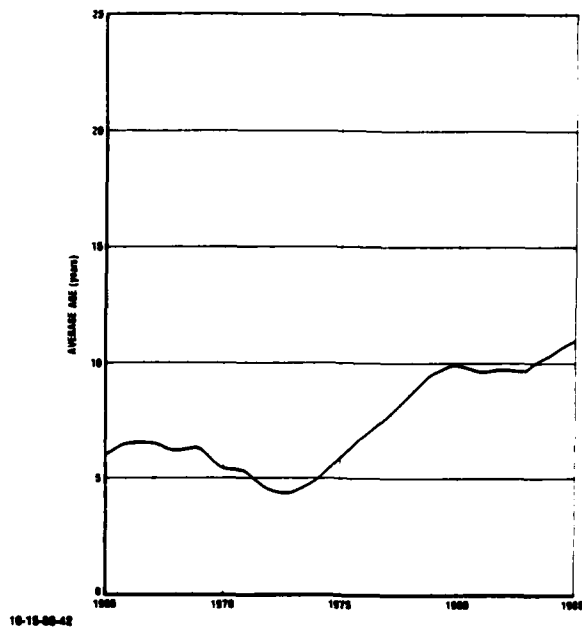


FIGURE 19. Frigates—Average Age

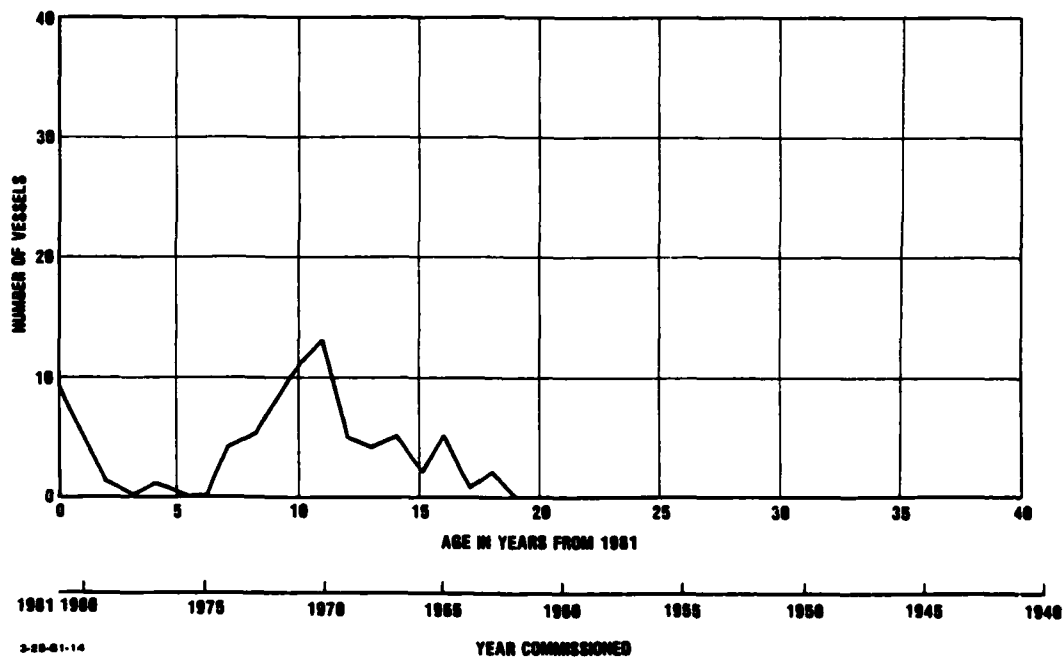


FIGURE 20. Frigates—Age Distribution

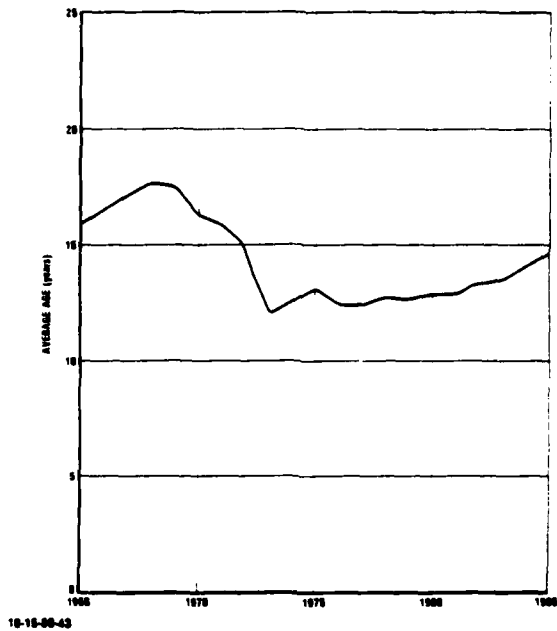


FIGURE 21. Cruisers, Destroyers, and Frigates—Average Age

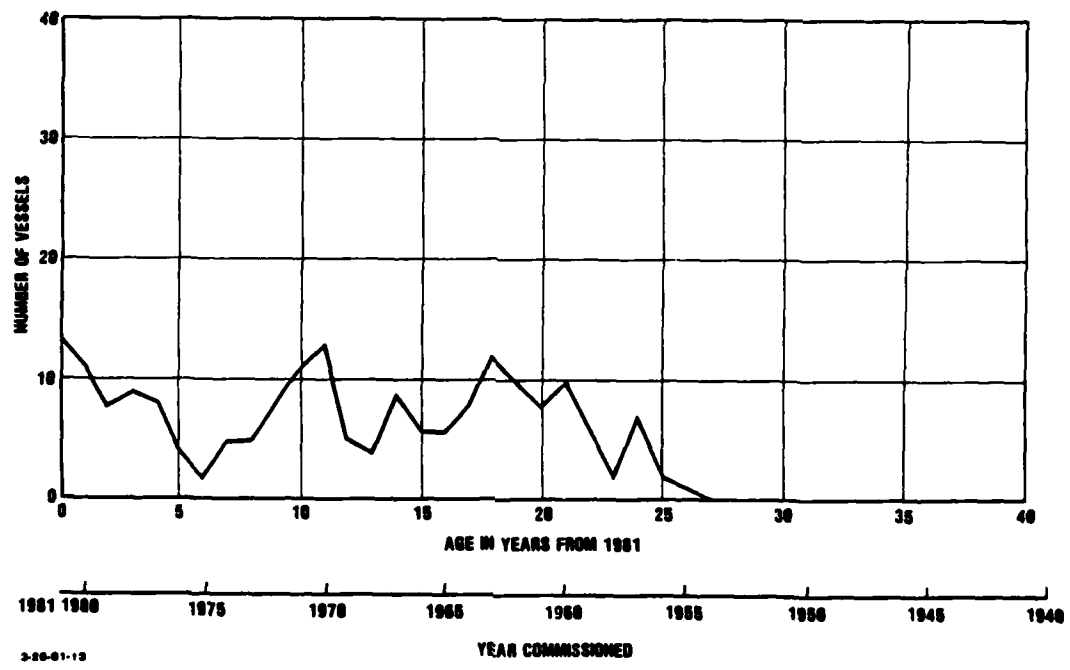


FIGURE 22. Cruisers, Destroyers, and Frigates—Age Distribution

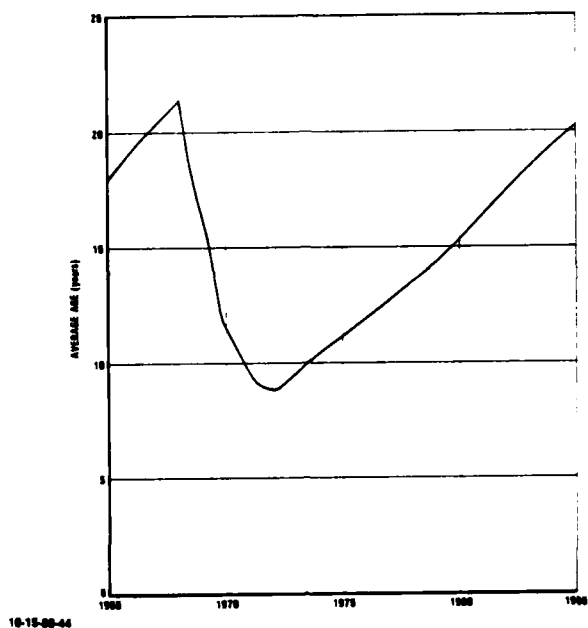


FIGURE 23. Amphibious Warfare Vessels - Average Age

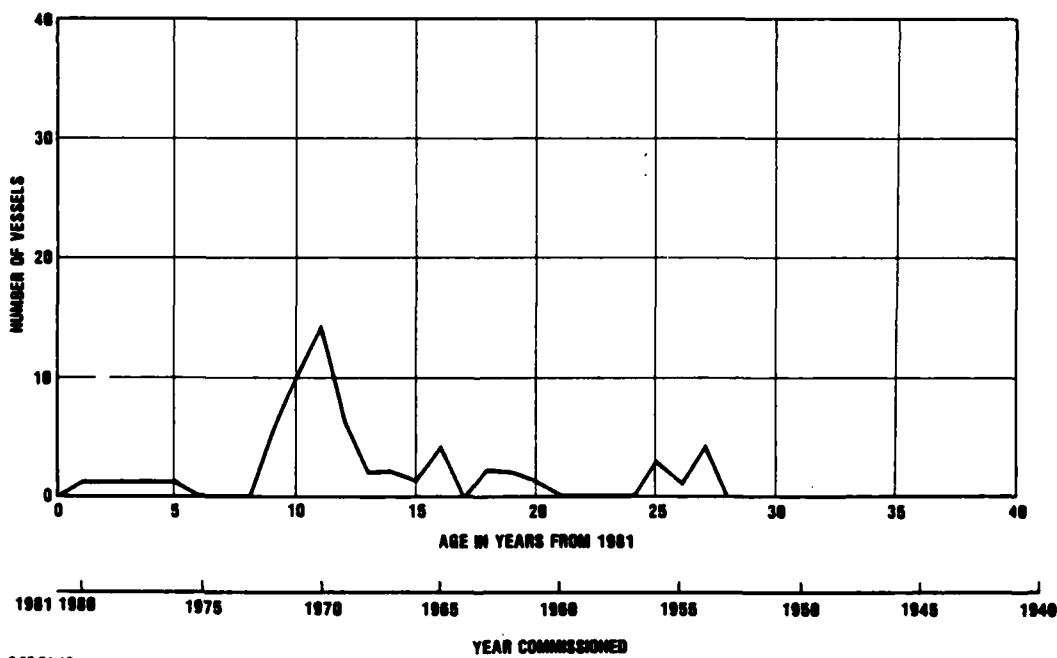
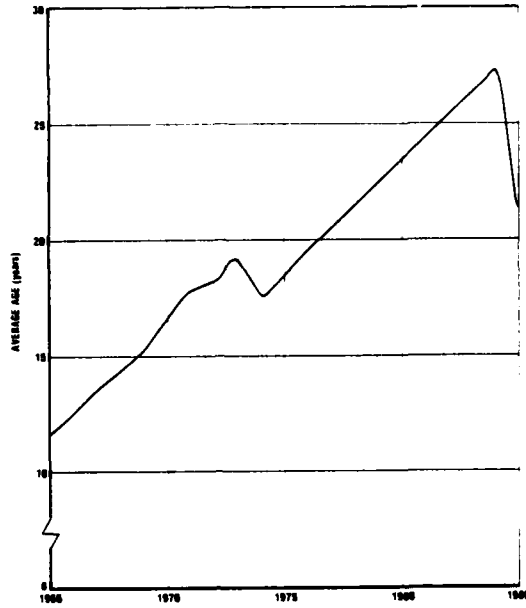
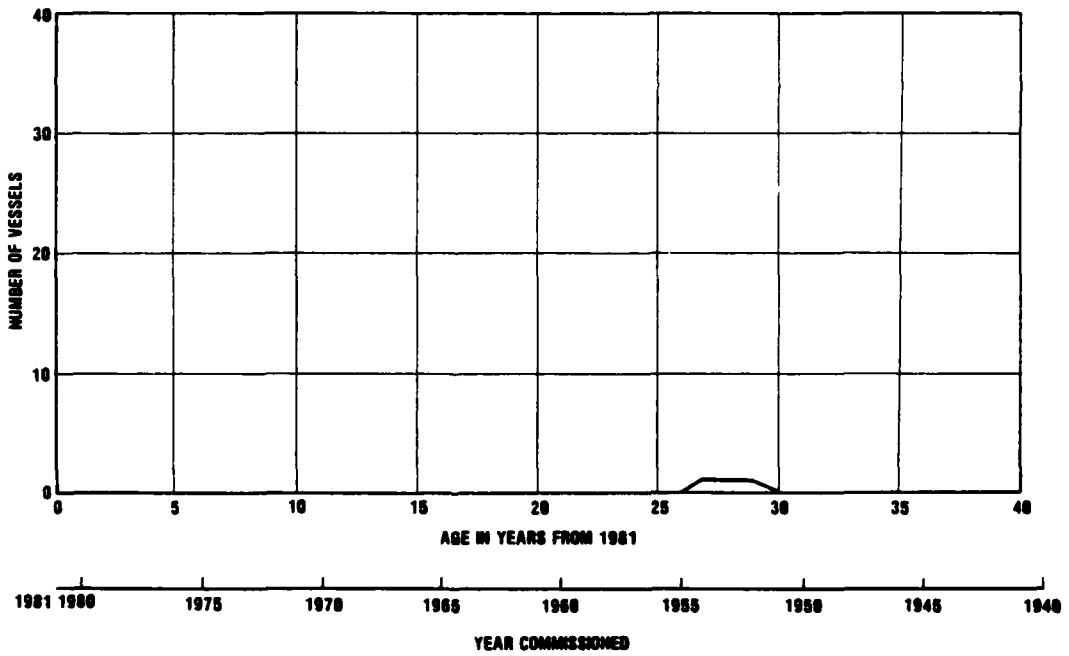


FIGURE 24. Amphibious Warfare Vessels - Age Distribution



18-15-00-48

FIGURE 25. Mine Warfare Vessels - Average Age



3-28-01-11

FIGURE 26. Mine Warfare Vessels - Age Distribution

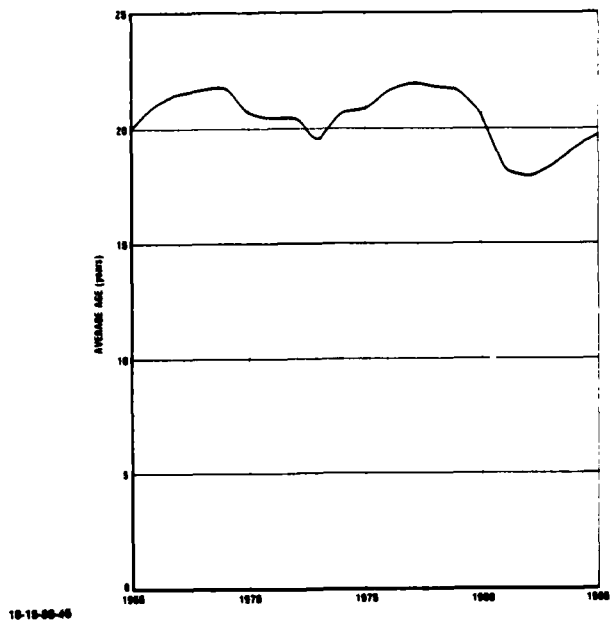


FIGURE 27. Auxiliary Support Vessels—Average Age

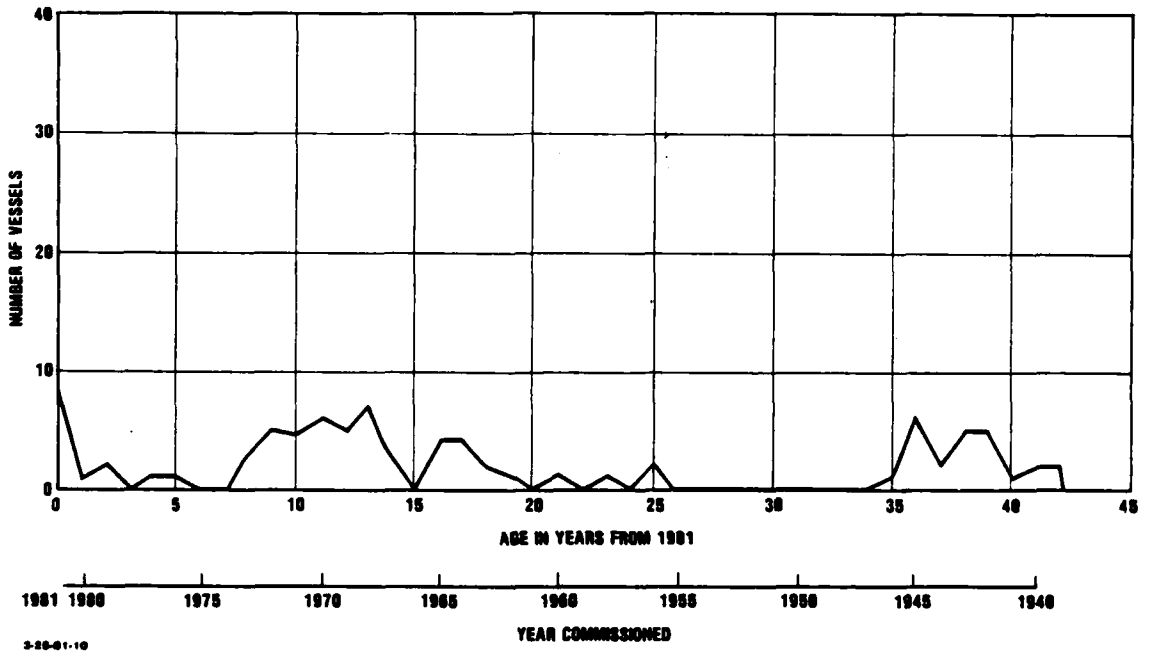


FIGURE 28. Auxiliary Support Vessels—Age Distribution

REFERENCES

1. U.S. Navy OP90, "Listing of Ships by Delivery Dates by Fiscal Year, FY 1958-FY 1988," March 13, 1980.
2. U.S. Navy OP90, "Changes in Active Fleet Count, FY 1964-FY 1980," May 1980.
3. *Jane's Fighting Ships*, various editions 1954-1980, Franklin Watts Inc., New York, Macdonald & Jane's Publishers Limited, London, England.
4. U.S. Navy OP90, "Listing of Active Fleet, Naval Reserve Force, and MSC - Naval Fleet Auxiliary Force Ships by Fleet, as of 30 April 1980."
5. U.S. Navy OP90, "Ship Operating Forces of the U.S. Navy - Historical Force Levels by Sub-Categories and Ship Types, FY 1962-FY 1979," February 6, 1980.

APPENDICES

A

APPENDIX A
ACTIVE FLEET, BY CLASS

SSBN 598 GEORGE WASHINGTON	SSBN 658 Mariano Valejo
SSBN 599 Patrick Henry	SSBN 659 Will Rogers
SSBN 600 Theodore Roosevelt	
SSBN 601 Robert E. Lee	SSBN 726 OHIO
SSBN 602 Abraham Lincoln	SSBN 727 Michigan
	SSBN 728
SSBN 608 ETHAN ALLEN	SSBN 729 Georgia
SSBN 609 Sam Houston	SSBN 730
SSBN 610 Thomas Edison	SSBN 731
SSBN 611 John Marshall	SSBN 732
SSBN 618 Thomas Jefferson	SSBN 733
SSBN 616 LAFAYETTE	SSN 585 SKIPJACK
SSBN 617 Alexander Hamilton	SSN 588 Scamp
SSBN 619 Andrew Jackson	SSN 589 Scorpion
SSBN 620 John Adams	SSN 590 Sculpin
SSBN 622 James Monroe	SSN 591 Shark
SSBN 623 Nathan Hale	SSN 592 Snook
SSBN 624 Woodrow Wilson	
SSBN 625 Henry Clay	SSN 578 SKATE
SSBN 626 Daniel Webster	SSN 579 Swordfish
SSBN 627 James Madison	SSN 583 Sargo
SSBN 628 Tecumseh	SSN 584 Seadragon
SSBN 629 Daniel Boone	
SSBN 630 John Calhoun	SSN 597 TULLIBEE
SSBN 631 Ulysses Grant	
SSBN 632 Von Steuben	SSN 593 THRESHER
SSBN 633 Casimar Pulaski	SSN 594 Permit
SSBN 634 Stonewall Jackson	SSN 595 Plunger
SSBN 635 Sam Rayburn	SSN 596 Barb
SSBN 636 Nathanael Greene	SSN 603 Pollack
SSBN 640 Benjamin Franklin	SSN 604 Haddo
SSBN 641 Simon Bolivar	SSN 605 Jack
SSBN 642 Kamehameha	SSN 606 Tinoso
SSBN 643 George Bancroft	SSN 607 Dace
SSBN 644 Lewis and Clark	SSN 612 Guardfish
SSBN 645 James Polk	SSN 613 Flasher
SSBN 654 George Marshall	SSN 614 Greenling
SSBN 655 Henry Stimson	SSN 615 Gato
SSBN 656 George Washington Carver	SSN 621 Haddock
SSBN 657 Francis Scott Key	

SSN 575 SEAWOLF
SSN 571 NAUTILUS
SSN 586 TRITON
SSN 587 HALIBUT
SSN 637 STURGEON
SSN 638 Whale
SSN 639 Tautog
SSN 646 Grayling
SSN 647 Pogy
SSN 648 Aspro
SSN 649 Sunfish
SSN 650 Pargo
SSN 651 Queenfish
SSN 652 Puffer
SSN 653 Ray
SSN 660 Sand Lance
SSN 661 Lapon
SSN 662 Gurnard
SSN 663 Hammerhead
SSN 664 Sea Devil
SSN 665 Guitarro
SSN 666 Hawkbill
SSN 667 Bergall
SSN 668 Spadefish
SSN 669 Seahorse
SSN 670 Finback
SSN 672 Pintado
SSN 673 Flying Fish
SSN 674 Trepang
SSN 675 Bluefish
SSN 676 Billfish
SSN 677 Drum
SSN 678 Archer Fish
SSN 679 Silversides
SSN 680 William Bates
SSN 681 Batfish
SSN 682 Tunny
SSN 683 Parche
SSN 684 Cavalla
SSN 686 Mendel Rivers
SSN 687 Richard Russell

SSN 685 GLENARD LIPSCOMB

SSN 671 NARWHAL

SSN 688 LOS ANGELES
SSN 689 Baton Rouge
SSN 690 Philadelphia
SSN 691 Memphis
SSN 692 Omaha
SSN 693 Cincinnati
SSN 694 Groton
SSN 695 Birmingham
SSN 696 New York City
SSN 697 Indianapolis
SSN 698 Bremerton
SSN 699 Jacksonville
SSN 700 Dallas
SSN 701 La Jolla
SSN 702 Phoenix
SSN 703 Boston
SSN 704 Baltimore
SSN 705
SSN 706
SSN 707
SSN 708
SSN 709
SSN 710
SSN 711 San Francisco
SSN 712 Atlanta
SSN 713 Houston
SSN 714
SSN 715
SSN 716
SSN 717
SSN 718
SSN 719

SS 574 GRAYBACK

SS 563 TANG
SS 564 Trigger
SS 565 Wahoo
SS 566 Trout
SS 567 Gudgeon
SS 568 Harder
SS 576 Darter

SS 580 BARBEL
SS 581 Blueback
SS 582 Bonefish

SS 302 Sabalo
SS 319 Becuna
SS 322 Blackfin
SS 323 Caiman
SS 324 Blenny
SS 331 Bugara
SS 337 Carbonero
SS 338 Carp
SS 339 Catfish
SS 340 Entemedor
SS 341 Chivo
SS 342 Chopper
SS 343 Clamagore
SS 344 Cobbler
SS 346 Corporal
SS 347 Cubara
SS 349 Diodon
SS 350 Dogfish
SS 351 Greenfish
SS 352 Halfbeak
SS 365 Hardhead
SS 368 Jallao
SS 377 Menhaden
SS 382 Picuda
SS 385 Bang
SS 391 Crevalle
SS 392 Sterlet
SS 394 Razorback
SS 396 Ronquil
SS 398 Segundo
SS 402 Sea Fox
SS 403 Atule
SS 406 Sea Poacher
SS 407 Sea Robin
SS 408 Sennet
SS 410 Threadfin
SS 416 Tiru
SS 417 Tench
SS 418 Thornbeck
SS 420 Tirante
SS 421 Trutta
SS 423 Torsk
SS 424 Quillback
SS 425 Trumpet Fish
SS 426 Tusk
SS 475 Argonaut
SS 476 Runner
SS 478 Cutlass

SS 480 Medrigel
SS 483 Sea Leopard
SS 484 Odax
SS 485 Sirago
SS 486 Pomodon
SS 487 Remora
SS 490 Volador
SS 522 Amberjack
SS 523 Grampus
SS 524 Pickerei
SS 525 Grenadier
SS 550 Barracuda
SS 572 Sailfish
SS 573 Salmon

CV 19 HANCOCK
CV 14 Ticonderoga
CV 31 Bon Homme Richard
CV 34 Oriskany
CV 38 Shangri La

CV 41 MIDWAY
CV 42 Franklin D. Roosevelt
CV 43 Coral Sea

CV 59 FORRESTAL
CV 60 Saratoga
CV 61 Ranger
CV 62 Independence

CV 63 KITTY HAWK
CV 64 Constellation
CV 66 America

CV 67 JOHN F. KENNEDY

CVN 68 NIMITZ
CVN 69 Dwight D. Eisenhower
CVN 70 Carl Vinson

CVN 65 ENTERPRISE

CVS 9 ESSEX
CVS 10 Yorktown
CVS 11 Intrepid
CVS 12 Hornet
CVS 15 Randolph
CVS 16 Lexington
CVS 18 Wasp
CVS 20 Bennington
CVS 33 Kearsarge
CVS 39 Lake Champlain

CGN 9 LONG BEACH

CG 16 LEAHY
CG 17 Harry Yarnell
CG 18 Worden
CG 19 Dale
CG 20 Richmond Turner
CG 21 Gridley
CG 22 England
CG 23 Halsey
CG 24 Reeves

CGN 25 BAINBRIDGE

CG 26 BELKNAP
CG 27 Josephus Daniels
CG 28 Wainwright
CG 29 Jouett
CG 30 Horne
CG 31 Sterett
CG 32 William Standley
CG 33 Fox
CG 34 Biddle

CGN 35 TRUXTON

CGN 36 CALIFORNIA
CGN 37 South Carolina

CGN 38 VIRGINIA
CGN 39 Texas
CGN 40 Mississippi
CGN 41 Arkansas

CG 10 ALBANY
CG 11 Chicago
CG 12 Columbus

CA 148 NEWPORT NEWS

CLG 3 GALVESTON
CLG 4 Little Rock
CLG 5 Oklahoma City
CLG 6 Providence
CLG 7 Springfield
CLG 8 Topeka

CA 69 BOSTON
CA 70 Canberra

BB 62 NEW JERSEY

CG 47 TICONDEROGA

CG 48
CG 49
CG 50

DDG 2 CHARLES F. ADAMS
DDG 3 John King
DDG 4 Lawrence
DDG 5 Claud Ricketts
DDG 6 Barney
DDG 7 Henry Wilson
DDG 8 Lynde McCormick
DDG 9 Towers
DDG 10 Sampson
DDG 11 Sellers
DDG 12 Robison
DDG 13 Hoel
DDG 14 Buchanan
DDG 15 Berkeley
DDG 16 Joseph Strauss
DDG 17 Conyngham
DDG 18 Semmes
DDG 19 Tatnall
DDG 20 Goldsborough
DDG 21 Cochrane
DDG 22 Benjamin Stoddert
DDG 23 Richard E. Byrd
DDG 24 Waddell

DDG 31 DECATUR
DDG 32 John Paul Jones
DDG 33 Parsons
DDG 34 Somers

DDG 993 KIDD
DDG 994 Callaghan
DDG 995 Scott
DDG 996 Chandler

DDG 35 MITSCHER
DDG 36 John McCain

DDG 37 FARRAGUT
DDG 38 Luce
DDG 39 MacDonough
DDG 40 Coontz
DDG 41 King
DDG 42 Mahan
DDG 43 Dahlgren
DDG 44 William Pratt
DDG 45 Dewey
DDG 46 Preble

DD 931 FORREST SHERMAN
DD 932 John Paul Jones
DD 933 Barry
DD 936 Decatur
DD 937 Davis
DD 938 Jonas Ingram
DD 940 Manley
DD 941 DuPont
DD 942 Bigelow
DD 943 Blandy
DD 944 Mullinnix
DD 947 Somers
DD 949 Parsons

DD 963 SPRUANCE
DD 964 Paul Foster
DD 965 Kincaid
DD 966 Hewitt
DD 967 Elliott
DD 968 Arthur Radford
DD 969 Peterson
DD 970 Caron
DD 971 David Ray
DD 972 Oldendorf
DD 973 John Young
DD 974 Comte DeGrasse
DD 975 O'Brien
DD 976 Merrill
DD 977 Briscoe
DD 978 Stump
DD 979 Connally
DD 980 Moosbrugger
DD 981 John Hancock
DD 982 Nicholson
DD 983 John Rogers
DD 984 Leftwich
DD 985 Cushing
DD 986 Harry Hill
DD 987 O'Bannon
DD 988 Thorn
DD 989 Deyo
DD 990 Ingersoll
DD 991 Fife
DD 992 Fletcher
DD 997 Foley

DD 945 HULL
DD 946 Edson
DD 948 Morton
DD 950 Richard Edwards
DD 951 Turner Joy

DD 445 Fletcher
DD 446 Radford
DD 447 Jenkins
DD 449 Nicholas
DD 450 O'Bannon
DD 466 Waller
DD 468 Taylor
DD 470 Bache
DD 471 Beale
DD 498 Philip
DD 499 Renshaw
DD 507 Conway
DD 508 Cony
DD 510 Eaton
DD 517 Walker
DD 528 Mullany
DD 540 Twining
DD 544 Boyd
DD 561 Pritchett
DD 566 Stoddard
DD 577 Sproston
DD 596 Shields
DD 630 Braine
DD 651 Cogswell
DD 652 Ingersoll
DD 666 Black
DD 681 Hopewell
DD 682 Porterfield
DD 684 Wedderburn
DD 685 Picking
DD 687 Uhlmann
DD 692 Allen Sumner
DD 693 Moale
DD 694 Ingraham
DD 697 Charles Sperry
DD 698 Ault
DD 699 Waldron
DD 701 John W. Weeks
DD 702 Hank
DD 703 Wallace Lind

DD 704 Borie	DD 781 Robert Huntington
DD 706 Gainard	DD 782 Rowan
DD 708 Harlan Dickson	DD 783 Gurke
DD 709 Hugh Purvis	DD 784 McKean
DD 710 Searing	DD 785 Henderson
DD 711 Eugene Greene	DD 786 Richard Anderson
DD 713 Kenneth Bailey	DD 787 James Kyes
DD 714 William Rush	DD 788 Hollister
DD 715 William Wood	DD 789 Eversole
DD 716 Wiltsie	DD 790 Shelton
DD 717 Theodore Chandler	DD 795 Preston
DD 718 Hamner	DD 805 Chevalier
DD 719 Epperson	DD 806 Higbee
DD 723 Walke	DD 807 Benner
DD 724 Laffey	DD 808 Dennis Buckley
DD 725 O'Brien	DD 818 New
DD 727 DeHaven	DD 819 Holder
DD 728 Mansfield	DD 820 Rich
DD 729 Lyman Swenson	DD 821 Johnston
DD 730 Collett	DD 822 Robert McCord
DD 731 Maddox	DD 823 Samuel Roberts
DD 742 Frank Knox	DD 824 Basilone
DD 743 Southerland	DD 825 Carpenter
DD 744 Blue	DD 826 Agerholm
DD 745 Brush	DD 827 Robert Owen
DD 746 Taussig	DD 829 Myles Fox
DD 747 Samuel Moore	DD 830 Everett Larson
DD 748 Harry Hubbard	DD 831 Goodrich
DD 752 Alfred Cunningham	DD 832 Hanson
DD 754 Frank Evans	DD 833 Herbert Thomas
DD 755 John Bole	DD 834 Turner
DD 756 Beatty	DD 835 Charles Cecil
DD 757 Putnam	DD 836 George MacKenzie
DD 758 Strong	DD 837 Sarsfield
DD 759 Lofberg	DD 838 Ernest Small
DD 760 John Thomason	DD 839 Power
DD 761 Buck	DD 840 Glennon
DD 763 William Lawe	DD 841 Noa
DD 764 Lloyd Thomas	DD 842 Fiske
DD 765 Keppler	DD 843 Warrington
DD 770 Lowry	DD 844 Perry
DD 775 Willard Keith	DD 845 Baussell
DD 776 James Owens	DD 846 Ozbourn
DD 777 Zellars	DD 847 Robert Wilson
DD 778 Massey	DD 848 Witek
DD 779 Douglas Fox	DD 849 Richard Kraus
DD 780 Stormes	DD 850 Joseph Kennedy, Jr.

DD 851 Rupertus
DD 852 Leonard Mason
DD 853 Charles Roan
DD 857 Bristol
DD 858 Fred Berry
DD 859 Norris
DD 860 McCaffery
DD 861 Harwood
DD 862 Vogelgesang
DD 863 Steinaker
DD 864 Harold Ellison
DD 865 Charles Ware
DD 866 Cone
DD 867 Stribling
DD 868 Brownson
DD 869 Arnold Isbell
DD 870 Fechteler
DD 871 Damato
DD 872
DD 873 Hawkins
DD 874 Duncan
DD 875 Henry Tucker
DD 876 Rogers
DD 877 Perkins
DD 878 Vesole
DD 879 Leary
DD 880 Dyess
DD 881 Bordelon
DD 882 Furse
DD 883 Newman Perry
DD 884 Floyd Parks
DD 885 John Craig
DD 886 Orlack
DD 887 Brinkley Bass
DD 888
DD 889 O'Hare
DD 890 Meredith

FFG 1 BROOKE
FFG 2 Ramsey
FFG 3 Schofield
FFG 4 Talbot
FFG 5 Richard Page
FFG 6 Julius Furer

FFG 7 OLIVER HAZARD PERRY
FFG 8 McInerney
FFG 9 Wadsworth
FFG 10 Duncan
FFG 11 Clark
FFG 12 George Philip
FFG 13 Samuel Morison
FFG 14 Sides
FFG 15 Estocin
FFG 16 Clifton Sprague
FFG 19 John Moore
FFG 20 Antrim
FFG 21 Flatley
FFG 22 Fahhrion
FFG 23 Lewis Puller
FFG 24 Jack Williams
FFG 25 Copeland
FFG 26 Gallery
FFG 27 Mahlon Tisdale
FFG 28 Boone
FFG 29
FFG 30
FFG 31 Stark
FFG 32
FFG 33
FFG 34
FFG 36
FFG 37
FFG 38
FFG 39
FFG 40
FFG 41
FFG 42
FFG 43
FFG 45
FFG 46
FFG 47
FFG 48
FFG 49
FFG 50
FFG 51
FFG 52
FFG 53

FF 1037 BRONSTEIN
FF 1038 McCloy

FF 1040 GARCIA
FF 1041 Bradley
FF 1043 Edward McDonnell
FF 1044 Brumby
FF 1045 Davidson
FF 1047 Voge
FF 1048 Sample
FF 1049 Koelsch
FF 1050 Albert David
FF 1051 O'Callaghan

FF 1033 CLAUDE JONES
FF 1034 John Perry
FF 1035 Charles Berry
FF 1036 McMorris

FF 1021 COURTNEY
FF 1022 Lester
FF 1023 Evans
FF 1024 Bridget
FF 1025 Bauer
FF 1026 Hooper
FF 1027 John Willis
FF 1028 Van Voorhis
FF 1029 Hartley
FF 1030 Joseph Taussig

FF 1006 DEALEY
FF 1014 Cromwell
FF 1015 Hammerberg

FF 1052 KNOX
FF 1053 Roark
FF 1054 Gray
FF 1055 Hepburn
FF 1056 Connole
FF 1057 Rathburne
FF 1058 Meyercord
FF 1059 W. S. Sims
FF 1060 Lang
FF 1061 Patterson
FF 1062 Whipple
FF 1063 Reasoner

FF 1064 Lockwood
FF 1065 Stein
FF 1066 Marvin Shields
FF 1067 Francis Hammond
FF 1068 Vreeland
FF 1069 Bagley
FF 1070 Downes
FF 1071 Badger
FF 1072 Blakely
FF 1073 Robert Peary
FF 1074 Harold Holt
FF 1075 Trippe
FF 1076 Fanning
FF 1077 Ouellet
FF 1078 Joseph Hewes
FF 1079 Bowen
FF 1080 Paul
FF 1081 Aylwin
FF 1082 Elmer Montgomery
FF 1083 Cook
FF 1084 McCandless
FF 1085 Donald Barry
FF 1086 Brewton
FF 1087 Kirk
FF 1088 Barbey
FF 1089 Jesse Brown
FF 1090 Ainsworth
FF 1091 Miller
FF 1092 Thomas Hart
FF 1093 Capodanno
FF 1094 Pharris
FF 1095 Truett
FF 1096 Valdez
FF 1097 Moinester

FF 1098 GLOVER

LHA 1 TARAWA
LHA 2 Saipan
LHA 3 Bellau Wood
LHA 4 Nassau
LHA 5 Pelelieu

LCC 19 BLUE RIDGE
LCC 20 Mount Whitney

LCC 7 MOUNT MCKINLEY
LCC 11 Eldorado
LCC 12 Estes
LCC 16 Pocono
LCC 17 Taconic

LPH 2 IWO JIMA
LPH 3 Okinawa
LPH 7 Guadalcanal
LPH 9 Guam
LPH 10 Tripoli
LPH 11 New Orleans
LPH 12 Inchon

LPD 4 AUSTIN
LPD 5 Ogden
LPD 6 Duluth
LPD 7 Cleveland
LPD 8 Dubuque
LPD 9 Denver
LPD 10 Juneau
LPD 11 Coronado
LPD 12 Shreveport
LPD 13 Nashville
LPD 14 Trenton
LPD 15 Ponce

LPD 1 RALEIGH
LPD 2 Vancouver

LKA 113 CHARLESTON
LKA 114 Durham
LKA 115 Mobile
LKA 116 St. Louis
LKA 117 El Paso

LSD 28 THOMASTON
LSD 29 Plymouth Rock
LSD 30 Fort Snelling
LSD 31 Point Defiance
LSD 32 Spiegel Grove
LSD 33 Alamo
LSD 34 Hermitage
LSD 35 Monticello

LSD 36 ANCHORAGE
LSD 37 Portland
LSD 38 Pensacola
LSD 39 Mount Vernon
LSD 40 Fort Fisher

LST 515 CADDO PARISH
LST 344 Blanco County
LST 509 Bullock County
LST 525 Caroline County
LST 532 Chase County
LST 533 Cheboygan County
LST 551 Chesterfield County
LST 583 Churchill County
LST 601 Clarke County
LST 603 Coconino County
LST 722 Dodge County
LST 758 Deval County
LST 762 Floyd County
LST 786 Garrett County
LST 819 Hampshire County
LST 821 Harnett County
LST 824 Henry County
LST 825 Hickman County
LST 836 Holmes County
LST 838 Hunterdon County
LST 839 Iredell County
LST 846 Jennings County
LST 848 Jerome County
LST 901 Litchfield County
LST 902 Luzerne County
LST 903 Lyman County
LST 905 Madera County
LST 912 Mahnommen County
LST 980 Meeker County
LST 983 Middlesex County
LST 1032 Monmouth County
LST 1066 New London County
LST 1067 Nye County
LST 1073 Outagamie County
LST 1076 Page County
LST 1077 Park County
LST 1082 Pitkin County
LST 1084 Polk County
LST 1088 Pulaski County
LST 1096 St. Clair County
LST 1122 San Joaquin County

LST 1123 Sedgwick County
LST 1126 Snohomish County
LST 1146 Summit County
LST 1148 Sumner County
LST 1150 Sutter County
LST 1153 Talbot County
LST 1156 Terrebone Parish
LST 1157 Terrell County
LST 1158 Tioga County
LST 1159 Tom Green County
LST 1160 Traverse County
LST 1161 Vernon County
LST 1162 Wahkiakum County
LST 1163 Waldo County
LST 1164 Walworth County
LST 1165 Washoe County
LST 1166 Washtenaw County
LST 1167 Westchester County
LST 1168 Wexford County
LST 1169 Whitfield County
LST 1170 Windham County
LST 1171 De Soto County
LST 1173 Suffolk County
LST 1174 Grant County
LST 1175 York County
LST 1177 Lorain County
LST 1178 Wood County

LST 1179 NEWPORT
LST 1180 Manitowoc
LST 1181 Sumter
LST 1182 Fresno
LST 1183 Peoria
LST 1184 Frederick
LST 1185 Schenectady
LST 1186 Cayuga
LST 1187 Tuscaloosa
LST 1188 Saginaw
LST 1189 San Bernardino
LST 1190 Boulder
LST 1191 Racine
LST 1192 Spartanburg County

LST 1193 Fairfax County
LST 1194 La Moure County
LST 1195 Barbour County
LST 1196 Harlan County
LST 1197 Barnstable County
LST 1198 Bristol County

LSD 6 LINDENWALD
LSD 1 Ashland
LSD 2 Belle Grove
LSD 3 Carter Hall
LSD 5 Gunston Hall
LSD 7 Oak Hill
LSD 13 Casa Grande
LSD 14 Rushmore
LSD 15 Shadwell
LSD 16 Cabildo
LSD 17 Catamount
LSD 18 Colonial
LSD 19 Comstock
LSD 20 Donner
LSD 21 Fort Mandan
LSD 22 Fort Marion
LSD 25 San Marcos
LSD 26 Tortuga
LSD 27 Whetstone

LPA 44 FREMONT
LPA 27 George Clymner
LPA 31 Monrovia
LPA 32 Calvert
LPA 33 Bayfield
LPA 36 Cambria
LPA 37 Cavalier
LPA 45 Henrico
LPA 136 Botetourt
LPA 194 Sandoval
LPA 195 Lenawee
LPA 201 Menard
LPA 208 Talladega
LPA 210 Telfair
LPA 212 Montrose
LPA 213 Mountrail

LPA 215 Navarro
LPA 218 Noble
LPA 220 Okanagan
LPA 222 Pickaway
LPA 227 Renville
LPA 228 Rockbridge
LPA 235 Bottineau
LPA 237 Bexar
LPA 248 Paul Revere
LPA 249 Francis Marion

LKA 97 MERRICK
LKA 19 Thuban
LKA 54 Algol
LKA 56 Arneb
LKA 57 Capricornus
LKA 61 Muliphen
LKA 88 Uvalde
LKA 93 Yancey
LKA 94 Winston
LKA 96 Matthews
LKA 100 Oglethorpe
LKA 103 Rankin
LKA 104 Seminole
LKA 105 Skagit
LKA 107 Vermillion
LKA 108 Washburn
LKA 112 Tulare

MCS 1 CATSKILL
MCS 2 Ozark
MCS 3 Osage
MCS 4 Saugus
MCS 5 Monitor
MCS 6 Orleans Parish
MCS 7 Epping Forest

MSC 121 BLUEBIRD
MSC 191 Frigate Bird
MSC 192 Humming Bird
MSC 193 Jacana
MSC 194 King Bird
MSC 195 Limpkin
MSC 196 Meadow Lark
MSC 197 Parrot
MSC 198 Peacock
MSC 199 Phoebe
MSC 201 Shrike
MSC 205 Vireo

MSC 206 Warbler
MSC 207 Whippoorwill
MSC 208 Widgeon
MSC 209 Woodpecker
MSC 289 Albatross
MSC 290 Gannet

MSO 421 AGILE
MSO 422 Aggressive
MSO 423 Avenge
MSO 424 Bold
MSO 425 Bulwark
MSO 426 Conflict
MSO 427 Constant
MSO 428 Dash
MSO 429 Detector
MSO 430 Direct
MSO 431 Dominant
MSO 432 Dynamic
MSO 433 Engage
MSO 434 Embattle
MSO 435 Endurance
MSO 436 Energy
MSO 437 Enhance
MSO 438 Esteem
MSO 439 Excel
MSO 440 Exploit
MSO 441 Exultant
MSO 442 Fearless
MSO 443 Fidelity
MSO 444 Firm
MSO 445 Force
MSO 446 Fortify
MSO 447 Guide
MSO 448 Illusive
MSO 449 Impervious
MSO 455 Implicit
MSO 456 Inflict
MSO 457 Loyalty
MSO 458 Lucid
MSO 459 Nimble
MSO 460 Notable
MSO 461 Observer
MSO 462 Pinnacle
MSO 463 Pivot
MSO 464 Pluck
MSO 466 Prime
MSO 467 Reaper
MSO 468 Rival

MSO 469 Sagacity
MSO 470 Salute
MSO 471 Skill
MSO 472 Valor
MSO 473 Vigor
MSO 474 Vital
MSO 488 Conquest
MSO 489 Gallant
MSO 490 Leader
MSO 491 Persistent
MSO 492 Pledge
MSO 493 Stalwart
MSO 494 Sturdy
MSO 495 Swerve
MSO 496 Venture

MSO 508 ACME
MSO 509 Adroit
MSO 510 Advance
MSO 511 Affray
MSO 519 Ability

MCM 1 82A

AE 26 KILAUEA
AE 27 Butte
AE 28 Santa Barbara
AE 29 Mount Hood
AE 32 Flint
AE 33 Shasta
AE 34 Mount Baker
AE 35 Kiska

AE 21 SURIBACHI
AE 22 Mauna Kea
AE 23 Nitro
AE 24 Pyro
AE 25 Haleakala

AFS 1 MARS
AFS 2 Sylvania
AFS 3 Niagara Falls
AFS 4 White Plains
AFS 5 Concord
AFS 6 San Diego
AFS 7 San Jose

AOE 1 SACRAMENTO
AOE 2 Camden
AOE 3 Seattle
AOE 4 Detroit

AOR 1 WICHITA
AOR 2 Milwaukee
AOR 3 Kansas City
AOR 4 Savannah
AOR 5 Wabash
AOR 6 Kalamazoo
AOR 7 Roanoke

AO 177 CIMARRON
AO 178 Monongahela
AO 179 Merrimack
AO 180
AO 186

ASR 21 PIGEON
ASR 22 Ortolan

ATS 1 EDENTON
ATS 2 Beaufort
ATS 3 Brunswick

AGF 3 LA SALLE

AE 12 WRANGELL
AE 14 Firedrake
AE 15 Vesuvius
AE 16 Mount Katmai
AE 17 Great Sitkin
AE 18 Paricutin
AE 19 Diamond Head

AE 4 MT. BAKER
AE 5 Rainier
AE 6 Shasta
AE 8 Mauna Loa
AE 9 Mazama

AO 51 ASHTABULA
AO 98 Caloosahatchee
AO 99 Canisteo

AO 143 NEOSHO
AO 24 Platte
AO 25 Sabine
AO 27 Kaskaskia
AO 30 Chemung
AO 32 Guadalupe
AO 36 Kennebec
AO 39 Kankakee
AO 41 Mattaponi
AO 43 Tappahannock
AO 47 Neches
AO 52 Cacapon
AO 53 Caliente
AO 54 Chikaskia
AO 55 Elokomin
AO 56 Aucilla
AO 57 Marias
AO 58 Manatee
AO 60 Nantahala
AO 61 Severn
AO 62 Taluga
AO 63 Chipola
AO 64 Tolovana
AO 97 Allagash
AO 100 Chukawan
AO 105 Mispillion
AO 106 Navasota
AO 107 Passumpsic
AO 108 Pawcatuck
AO 109 Waccamaw
AO 144 Mississinewa
AO 145 Hassayampa
AO 146 Kawishiwi
AO 147 Truckee
AO 148 Ponchatoula

AR 5 VULCAN
AR 6 Ajax
AR 7 Hector
AR 8 Jason

ARS 38 BOLSTER
ARS 39 Conserver
ARS 40 Hoist
ARS 41 Opportune
ARS 42 Reclaimer
ARS 43 Recovery

ASR 7 CHANTICLEER
ASR 8 Coucal
ASR 10 Greenlet
ASR 12 Penguin
ASR 16 Tringa
ASR 20 Skylark

AG 153 COMPASS ISLAND

ATF 67 APACHE
ATF 75 Sioux
ATF 84 Cree
ATF 91 Seneca
ATF 92 Tawasa
ATF 96 Abnaki
ATF 98 Arikara
ATF 101 Cocopa
ATF 103 Hitchiti
ATF 105 Mactobi
ATF 106 Molala
ATF 107 Munsee
ATF 113 Takelma
ATF 114 Tawakoni
ATF 156 Luiseno
ATF 157 Nipmuc
ATF 159 Paiute
ATF 161 Salinan
ATF 162 Shakori
ATF 163 Utina

PHM 1 PEGASUS
PHM 2 Hercules
PHM 3 Taurus
PHM 4 Aquila
PHM 5 Aries
PHM 6 Gemini

AS 11 FULTON
AS 12 Sperry
AS 15 Bushnell
AS 16 Howard Gilmore
AS 17 Nereus
AS 18 Orion

AS 36 L. Y. SPEAR
AS 37 Dixon

AS 39 EMORY LAND
AS 40 Frank Cable
AS 41 McKee

AS 19 PROTEUS

AS 31 HUNLEY
AS 32 Holland

AS 33 SIMON LAKE
AS 34 Canopus

AD 37 SAMUEL GOMPERS
AD 38 Puget Sound

AD 41 YELLOWSTONE
AD 42 Acadia
AD 43 Cape Cod
AD 44

AD 14 Dixie
AD 15 Prairie
AD 16 Cascade
AD 17 Piedmont
AD 18 Sierra
AD 19 Yosemite
AD 23 Arcadia
AD 24 Everglades
AD 25 Frontier
AD 26 Shenandoah
AD 27 Yellowstone
AD 28 Grand Canyon
AD 29 Isle Royale
AD 31 Tidewater
AD 36 Bryce Canyon

ARS 81A
ARS 82A
ARS 82B

APPENDIX B

ACTIVE FLEET--ALPHABETICAL ORDER

Ability	MSO 519	Ashtabula	AO 51
Abnaki	ATF 96	Aspro	SSN 648
Abraham Lincoln	SSBN 602	Atlanta	SSN 712
Acadia	AD 42	Atule	SS 403
Acme	MSO 508	Aucilla	AO 56
Adroit	MSO 509	Ault	DD 698
Advance	MSO 510	Austin	LPD 4
Affray	MSO 511	Avenge	MSO 423
Agerholm	DD 826	Aylwin	FF 1081
Aggressive	MSO 422		
Agile	MSO 21	Bache	DD 470
Ainsworth	FF 1090	Badger	FF 1071
Ajax	AR 5	Bagley	FF 1069
Alamo	LSD 33	Bainbridge	CGN 25
Albany	CG 10	Baltimore	SSN 704
Albatross	MSC 289	Bang	SS 385
Albert David	FF 1050	Barb	SSN 596
Alexander Hamilton	SSBN 617	Barbel	SS 580
Alfred Cunningham	DD 752	Barbey	FF 1088
Algol	LKA 54	Barbour County	LST 1195
Allagash	AO 97	Barney	DDG 6
Allen Sumner	DD 692	Barnstable County	LST 1197
Amberjack	SS 522	Barracuda	SS 550
America	CV 66	Barry	DD 933
Anchorage	LSD 6	Basilone	DD 824
Andrew Jackson	SSBN 619	Batfish	SSN 681
Antrim	FFG 20	Baton Rouge	SSN 689
Apache	ATF 67	Bauer	FF 1025
Aquila	PHM 4	Baussell	DD 845
Arcadia	AD 23	Bayfield	LPA 33
Archer Fish	SSN 678	Beale	DD 471
Argonaut	SS 475	Beatty	DD 756
Aries	PHM 5	Beaufort	ATS 2
Arikara	ATF 98	Becuna	SS 319
Arkansas	CGN 41	Belknap	CG 26
Arneb	LKA 56	Bellau Wood	LHA 3
Arnold Isbell	DD 869	Belle Grove	LSD 2
Arthur Radford	DD 968	Benjamin Franklin	SSBN 640
Ashland	LSD 1	Benjamin Stoddert	DDG 22
		Benner	DD 807

Bennington	CVS 20	Buck	DD 761
Bergall	SSN 667	Bugara	SS 331
Berkeley	DDG 15	Bullock County	LST 509
Bexar	LPA 237	Bulwark	MSO 425
Biddle	CG 34	Bushnell	AS 27
Bigelow	DD 942	Butte	AE 27
Billfish	SSN 676		
Birmingham	SSN 695	Cabildo	LSD 16
Black	DD 666	Cacapon	AO 52
Blackfin	SS 322	Caddo Parish	LST 515
Blakely	FF 1072	Caiman	SS 323
Blanco County	LST 344	Caliente	AO 53
Blandy	DD 943	California	CGN 36
Blenny	SS 324	Callaghan	DDG 994
Blue	DD 744	Caloosahatchee	AO 98
Blue Ridge	LCC 19	Calvert	LPA 32
Blueback	SS 581	Cambria	LPA 36
Bluebird	MSC 121	Camden	AOE 2
Bluefish	SSN 67	Canberra	CA 70
Bold	MSO 424	Canisteo	AO 99
Bolster	ARS 38	Canopus	AS 34
Bon Homme Richard	CV 31	Cape Cod	AD 43
Bonfish	SS 582	Capodanno	FF 1093
Boone	FFG 28	Capricornus	LKA 57
Bordelon	DD 881	Carbonero	SS 337
Borie	DD 704	Carl Vinson	CVN 70
Boston	CA 69	Caroline County	LST 525
Boston	SSN 703	Caron	DD 970
Botetourt	LPA 136	Carp	SS 338
Bottineau	LPA 235	Carpenter	DD 825
Boulder	LST 1190	Carter Hall	LSD 3
Bowen	FF 1079	Casa Grande	LSD 13
Boyd	DD 544	Cascade	AD 16
Bradley	FF 1041	Casimar Pulaski	SSBN 633
Braine	DD 630	Catamount	LSD 17
Bremerton	SSN 698	Catfish	SS 339
Brewton	FF 1086	Catskill	MCS 1
Bridget	FF 1024	Cavalier	LPA 37
Brinkley Bass	DD 887	Cavalla	SSN 684
Briscoe	DD 977	Cayuga	LST 1186
Bristol	DD 857	Chandler	DDG 996
Bristol County	LST 119	Chanticleer	ASR 7
Bronstein	FF 1037	Charles Berry	FF 1035
Brooke	FFG 1	Charles Cecil	DD 835
Brownson	DD 866	Charles F. Adams	DDG 2
Brumby	FF 1044	Charles Roan	DD 853
Brunswick	ATS 3	Charles Sperry	DD 697
Brush	DD 745	Charles Ware	DD 865
Bryce Canyon	AD 36	Charleston	LKA 113
Buchanan	DDG 14	Chase County	LST 532
		Cheboygan County	LST 533

Chemung	AO 30	Cromwell	FF 1014
Chesterfield County	LST 551	Cubara	SS 347
Chevalier	DD 805	Cushing	DD 985
Chicago	CG 11	Cutlass	SS 478
Chikaskia	AO 54		
Chipola	AO 63	Dace	SSN 607
Chivo	SS 341	Dahlgren	DDG 43
Chopper	SS 342	Dale	CG 19
Chukawan	AO 100	Dallas	SSN 700
Churchill County	LST 583	Damato	DD 871
Cimarron	AO 177	Daniel Boone	SSBN 629
Cincinnati	SSN 693	Daniel Webster	SSBN 626
Clamagore	SS 343	Darter	SS 576
Clark	FFG 11	Dash	MSO 428
Clarke County	LST 601	David	SSBN 626
Claude Jones	FF 1033	David Ray	DD 971
Claud Ricketts	DDG 5	Davidson	FF 1045
Cleveland	LPD 7	Davis	DD 937
Clifton Sprague	FFG 16	De Soto County	LST 1171
Cobbler	SS 344	Dealey	FF 1006
Cochrane	DDG 21	Decatur	DD 936
Coconino County	LST 603	Decatur	DDG 31
Cocopa	ATF 101	DeHaven	DD 727
Cogswell	DD 651	Dennis Buckley	DD 808
Collett	DD 730	Denver	LPD 9
Colonial	LSD 18	Detector	MSO 429
Columbus	CG 12	Detroit	AOE 4
Compass Island	AG 153	Deval County	LST 758
Comstock	LSD 19	Dewey	DDG 45
Comte DeGrasse	DD 974	Deyo	DD 989
Concord	AFS 5	Diamond Head	AE 19
Cone	DD 866	Diodon	SS 349
Conflict	MSO 426	Direct	MSO 430
Connally	DD 979	Dixie	AD 14
Connole	FF 1056	Dixon	AS 37
Conquest	MSO 488	Dodge County	LST 722
Conserver	ARS 39	Dogfish	SS 350
Constant	MSO 427	Dominant	MSO 431
Constellation	CY 64	Donald Barry	FF 1085
Conway	DD 507	Donner	LSD 20
Cony	DD 508	Douglas Fox	DD 779
Conyngham	DDG 17	Downes	FF 1070
Cook	FF 1083	Drum	SSN 677
Coontz	DDG 40	Dubuque	LPD 8
Copeland	FFG 25	Duluth	LPD 6
Coral Sea	CV 43	Duncan	DD 874
Coronado	LPD 11	Duncan	FFG 10
Corporal	SS 346	Dupont	DD 941
Coucal	ASR 8	Durham	LKA 114
Courtney	FF 1021	Dwight D. Eisenhower	CVN 69
Cree	ATF 84	Dyess	DD 880
Crevalle	SS 391	Dynamic	MSO 432

Eaton	DD 510	Fletcher	DD 445
Edenton	ATS 1	Fletcher	DD 992
Edson	DD 946	Flint	AE 32
Edward McDonnell	FF 1043	Floyd County	LST 762
El Paso	LKA 117	Floyd Parks	DD 884
Eldorado	LCC 11	Flying Fish	SSN 673
Elliott	DD 967	Foley	DD 997
Elmer Montgomery	FF 1082	Force	MSO 445
Elokomin	AO 55	Forrestal	CV 59
Embattle	MSO 434	Forest Sherman	DD 931
Emory Land	AS 39	Fort Fisher	LSD 40
Endurance	MSO 435	Fort Mandan	LSD 21
Energy	MSO 436	Fort Marion	LSD 22
Engage	MSO 433	Fort Snelling	LSD 30
England	CG 22	Fortify	MSO 446
Enhance	MSO 437	Fox	CG 33
Entemedor	SS 340	Francis Hammond	FF 1067
Enterprise	CVN 65	Francis Marion	LPA 249
Epperson	DD 719	Francis Scott Key	SSBN 657
Epping Forest	MCS 7	Frank Cable	AS 40
Ernest Small	DD 838	Frank Evans	DD 754
Essex	CVS 9	Frank Knox	DD 742
Esteem	MSO 438	Franklin D. Roosevelt	CV 42
Estes	LCC 12	Fred Berry	DD 858
Estocin	FFG 15	Frederick	LST 1184
Ethan Allen	SSBN 608	Fremont	LPA 44
Eugene Greene	DD 711	Fresno	LST 1182
Evans	FF 1023	Frigate Bird	MSC 191
Everett Larson	DD 830	Frontier	AD 25
Everglades	AD 24	Fulton	AS 11
Eversole	DD 789	Furse	DD 882
Excel	MSO 439		
Exploit	MSO 440	Gainard	DD 706
Exultant	MSO 441	Gallant	MSO 489
		Gallery	FFG 26
Fahrion	FFG 22	Galveston	CLG 3
Fairfax County	LST 1193	Gannet	MSC 290
Fanning	FF 1076	Garcia	FF 1040
Farragut	DDG 37	Garrett County	LST 786
Fearless	MSO 442	Gato	SSN 615
Fechteler	DD 870	Gemini	PHM 6
Fidelity	MSO 443	George Bancroft	SSBN 643
Fife	DD 991	George Clymer	LPA 27
Finback	SSN 670	George MacKenzie	DD 836
Firedrake	AE 14	George Marshall	SSBN 654
Firm	MSO 444	George Philip	FFG 12
Fiske	DD 842	George Washington	SSBN 598
Flasher	SSN 613	George Washington Carver	SSBN 656
Flatley	FFG 21	Georgia	SSBN 729

Glenard Lipscomb	SSN 685	Harry Yarnell	CG 17
Glennon	DD 840	Hartley	FF 1029
Glover	FF 1098	Harwood	DD 861
Goldsbrough	DDG 20	Hassayampa	AO 145
Goodrich	DD 831	Hawkbill	SSN 666
Grampus	SS 523	Hawkins	DD 873
Grand Canyon	AD 28	Hector	AR 7
Grant County	LST 1174	Henderson	DD 785
Gray	FF 1054	Henrico	LPA 45
Grayback	SS 574	Henry Clay	SSBN 625
Grayling	SSN 646	Henry County	LST 824
Great Sitkin	AE 17	Henry Stimson	SSBN 655
Greenfish	SS 351	Henry Tucker	DD 875
Greenlet	ASR 10	Henry Wilson	DDG 7
Greenling	SSN 614	Hepburn	FF 1055
Grenadier	SS 525	Herbert Thomas	DD 833
Gridley	CG 21	Hercules	PHM 2
Groton	SSN 694	Hermitage	LSD 34
Guadalcanal	LPH 7	Hewitt	DD 966
Guadalupe	AO 32	Hickman County	LST 825
Guam	LPH 9	Higbee	DD 806
Guardfish	SSN 612	Hitchiti	ATF 103
Gudgeon	SS 567	Hoel	DDG 13
Guide	MSO 447	Hoist	ARS 40
Guitarro	SSN 665	Holder	DD 819
Gunston Hall	LSD 5	Holland	AS 32
Gurke	DD 783	Hollister	DD 788
Gurnard	SSN 662	Holmes County	LST 836
		Hooper	FF 1026
Haddo	SSN 604	Hopewell	DD 681
Haddock	SSN 621	Horne	CG 30
Haleakala	AE 25	Hornet	CVS 12
Halfbeak	SS 352	Houston	SSN 713
Halibut	SSN 587	Howard Gilmore	AS 16
Halsey	CG 23	Hugh Purvis	DD 709
Hammerberg	FF 1015	Hull	DD 945
Hammerhead	SSN 663	Humming Bird	MSC 192
Hamner	DD 718	Hunley	AS 31
Hampshire County	LST 819	Hunterdon County	LST 838
Hancock	CV 19		
Hank	DD 702	Illusive	MSO 448
Hanson	DD 832	Impervious	MSO 449
Harder	SS 568	Implicit	MSO 455
Hardhead	SS 365	Inchon	LPH 12
Harlan County	LST 1196	Independence	CV 62
Harlan Dickson	DD 708	Indianapolis	SSN 697
Harnett County	LST 821	Inflict	MSO 456
Harold Ellison	DD 864	Ingersoll	DD 652
Harold Holt	FF 1074	Ingersoll	DD 990
Harry Hill	DD 986	Ingraham	DD 694
Harry Hubbard	DD 748	Intrepid	CVS 11

Iredell County	LST 839	Kansas City	AOR 3
Isle Royale	AD 29	Kaskaskia	AO 27
Iwo Jima	LPH 2	Kawishiwi	AO 146
		Kearsarge	CVS 33
Jacana	MSC 193	Kennebec	AO 36
Jack	SSN 605	Kenneth Bailey	DD 713
Jacksonville	SSN 699	Keppler	DD 765
Jack Williams	FFG 24	Kidd	DDG 993
Jallao	SS 368	Kilauea	AE 26
James Kyes	DD 787	Kincaid	DD 965
James Madison	SSBN 627	King	DDG 41
James Monroe	SSBN 622	King Bird	MSC 194
James Owens	DD 776	Kirk	FF 1087
James Polk	SSBN 645	Kiska	AE 35
Jason	AR 8	Kitty Hawk	CV 63
Jenkins	DD 447	Knox	FF 1052
Jennings County	LST 846	Koelsch	FF 1049
Jerome County	LST 848		
Jesse Brown	FF 1089	L. Y. Spear	AS 36
John Adams	SSBN 620	La Jolla	SSN 701
John Bole	DD 755	La Moure County	LST 1194
John Calhoun	SSBN 630	La Salle	AGF 3
John Craig	DD 885	Lafayette	SSBN 616
John F. Kennedy	CV 67	Laffey	DD 724
John Hancock	DD 981	Lake Champlain	CVS 39
John King	DDG 3	Lang	FF 1060
John Marshall	SSBN 611	Lapon	SSN 661
John McCain	DDG 938	Lawrence	DDG 4
John Moore	FFG 19	Leader	MSO 490
John Paul Jones	DD 932	Leahy	CG 16
John Paul Jones	DDG 32	Leary	DD 879
John Perry	FF 1034	Leftwich	DD 984
John Rogers	DD 983	Lenawee	LPA 195
John Thomason	DD 760	Leonard Mason	DD 852
John W. Weeks	DD 701	Lester	FF 1022
John Willis	FF 1027	Lewis and Clark	SSBN 644
John Young	DD 973	Lewis Puller	FFG 23
Johnston	DD 821	Lexington	CVS 16
Jonas Ingram	DD 938	Limpkin	MSC 195
Joseph Hewes	FF 1078	Lindenwald	LSD 6
Joseph Kennedy, Jr.	DD 850	Litchfield County	LST 901
Joseph Strauss	DDG 16	Little Rock	CLG 4
Joseph Taussig	FF 1030	Lloyd Thomas	DD 764
Josephus Daniels	CG 27	Lockwood	FF 1064
Jouett	CG 29	Lofberg	DD 759
Julius Furer	FFG 6	Long Beach	CGN 9
Juneau	LPD 10	Lorain County	LST 1177
		Los Angeles	SSN 688
Kalamazoo	AOR 6	Lowry	DD 770
Kamahameha	SSBN 642	Loyalty	MSO 457
Kankakee	AO 3	Luce	DDG 38

Lucid	MSO 458	Midway	CV 41
Luiseno	ATF 156	Miller	FF 1091
Luzerne County	LST 902	Milwaukee	AOR 2
Lyman County	LST 903	Mispillion	AO 105
Lyman Swenson	DD 729	Mississinewa	AO 144
Lynde McCormick	DDG 8	Mississippi	CGN 40
		Mitscher	DDG 35
MacDonough	DDG 39	Moale	DD 693
Maddox	DD 731	Moale	LKA 115
Madera County	LST 905	Moctobi	ATF 105
Mahan	DDG 42	Mcinester	FF 1097
Mahlon Tisdale	FFG 27	Molala	ATF 106
Mahnomen County	LST 912	Monitor	MCS 5
Manatee	AO 58	Monmouth County	LST 1032
Manitowoc	LST 1180	Monongahela	AO 178
Manley	DD 940	Monrovia	LPA 31
Mansfield	DD 728	Monticello	LSD 35
Mariano Valejo	SSBN 658	Montrose	LPA 212
Marias	AO 57	Moosbrugger	DD 980
Mars	AFS 1	Morton	DD 948
Marvin Shields	FF 1066	Mount Baker	AE 34
Massey	DD 778	Mount Hood	AE 29
Mattaponi	AO 41	Mount Katmai	AE 16
Matthews	LKA 96	Mount McKinley	LCC 7
Mauna Kea	AE 22	Mount Vernon	LSD 39
Mauna Loa	AE 8	Mount Whitney	LCC 20
Mazama	AE 9	Mountrail	LPA 213
McCaffery	DD 860	Mt. Baker	AE 4
McCandless	FF 1084	Muliphen	LKA 61
McCloy	FF 1038	Mullany	DD 528
McInerney	FFG 8	Mullinnix	DD 944
McKean	DD 784	Munsee	ATF 107
McKee	AS 41	Myles Fox	DD 829
McMorris	FF 1036		
Meadow Lark	MSC 196	Nantahala	AO 60
Medrigel	SS 480	Narwhal	SSN 671
Meeker County	LST 980	Nashville	LPD 13
Memphis	SSN 691	Nassau	LHA 4
Menard	LPA 201	Nathan Hale	SSBN 623
Mendel Rivers	SSN 686	Nathanael Greene	SSBN 636
Menhaden	SS 377	Nautilus	SSN 571
Meredith	DD 890	Navarro	LPA 215
Merrick	LKA 97	Navasota	AO 106
Merrill	DD 976	Neches	AO 47
Merrimack	AO 179	Neosho	AO 143
Meyercord	FF 1058	Nereus	AS 17
Michigan	SSBN 727	New	DD 818
Middlesex County	LST 983	New Jersey	BB 62

New London County	LST 1066	Parche	SSN 683
New Orleans	LPH 11	Pargo	SSN 650
New York City	SSN 696	Paricutin	AE 18
Newman Perry	DD 883	Park County	LST 1077
Newport	LST 1179	Parrot	MSC 197
Newport News	CA 148	Parsons	DD 949
Niagara Falls	AFS 3	Parsons	DDG 33
Nicholas	DD 449	Passumpsic	AO 107
Nicholson	DD 982	Patrick Henry	SSBN 599
Nimble	MSO 459	Patterson	FF 1061
Nimitz	CVN 68	Paul	FF 1080
Nipmuc	ATF 157	Paul Foster	DD 964
Nitro	AE 23	Paul Revere	LPA 248
Noa	DD 841	Pawcatuck	AO 100
Noble	LPA 218	Peacock	MSC 198
Norris	DD 859	Pegasus	PHM 1
Notable	MSO 460	Pelileu	LHA 5
Nye County	LST 1067	Penguin	ASR 12
O'Bannon	DD 450	Pensacola	LSD 38
O'Bannon	DD 987	Peoria	LST 1183
O'Brien	DD 725	Perkins	DD 877
O'Brien	DD 975	Permit	SSN 594
O'Callaghan	FF 1051	Perry	DD 844
O'Hare	OD 889	Persistent	MSO 491
Oak Hill	LSD 7	Peterson	DD 969
Observer	MSO 461	Pharris	FF 1094
Odax	SS 484	Philadelphia	SSN 690
Ogden	LPD 5	Philip	DD 498
Oglethorpe	LKA 100	Phoebe	MSC 199
Ohio	SSBN 726	Phoenix	SSN 702
Okanagan	LPA 220	Pickaway	LPA 222
Okinawa	LPH 3	Pickerei	SS 524
Oklahoma City	CLG 5	Picking	DD 685
Oldendorf	DD 972	Picuda	SS 382
Oliver Hazard Perry	FFG 7	Piedmont	AD 17
Omaha	SSN 692	Pigeon	ASR 21
Opportune	ARS 41	Pinnacle	MSO 462
Orion	AS 18	Pintado	SSN 672
Oriskany	CV 34	Pitkin County	LST 1082
Orlack	DD 886	Pivot	MSO 463
Orleans Parish	MCS 6	Platte	AO 24
Ortolan	ASR 22	Pledge	MSO 492
Osage	MCS 3	Pluck	MSO 464
Ouellet	FF 1077	Plunger	SSN 595
Outagamie County	LST 1073	Plymouth Rock	LSD 29
Ozark	MCS 2	Pocono	LCC 16
Ozbourn	DD 846	Pogy	SSN 647
Page County	LST 1076	Point Defiance	LSD 31
Paiute	ATF 159	Polk County	LST 1084
		Pollack	SSN 603
		Pomodori	SS 486

Ponce	LPD 15	Roanoke	AOR 7
Ponchatoula	AO 148	Roark	FF 1053
Porterfield	DD 662	Robert E. Lee	SSBN 601
Portland	LSD 37	Robert Huntington	DD 781
Power	DD 839	Robert McCord	DD 822
Prairie	AD 15	Robert Owen	DD 827
Preble	DDG 46	Robert Peary	FF 1073
Preston	DD 795	Robert Wilson	DD 847
Prime	MSO 466	Robison	DDG 12
Pritchett	DD 561	Rockbridge	LPA 228
Proteus	AS 19	Rogers	DD 876
Providence	CLG 6	Ronquil	SS 396
Puffer	SSN 652	Rowan	DD 782
Puget Sound	AD 38	Runner	SS 476
Pulaski County	LST 1088	Rupertus	DD 851
Putnam	DD 757	Rushmore	LSD 14
Pyro	AE 24		
		Sabalo	SS 302
Queenfish	SSN 651	Sabine	AO 25
Quillback	SS 424	Sacramento	AOE 1
		Sagacity	MSO 469
Racine	LST 1191	Saginaw	LST 1188
Radford	DD 446	Sailfish	SS 572
Rainier	AE 5	Saipan	LHA 2
Raleigh	LPD 1	Salinan	ATF 161
Ramsey	FFG 2	Salmon	SS 573
Randolph	CVS 15	Salute	MSO 470
Ranger	CV 61	Sam Houston	SSBN 609
Rankin	LKA 103	Sam Rayburn	SSBN 635
Rathburne	FF 1057	Sample	FF 1048
Ray	SSN 653	Sampson	DDG 10
Razorback	SS 394	Samuel Gompers	AD 37
Reaper	MSO 467	Samuel Moore	DD 747
Reasoner	FF 1063	Samuel Morrison	FFG 13
Reclaimer	ARS 42	Samuel Roberts	DD 823
Recovery	ARS 43	San Bernardino	LST 1189
Reeves	CG 24	San Diego	AFS 6
Remora	SS 487	San Francisco	SSN 711
Renshaw	DD 499	San Joaquin County	LST 1122
Renville	LPA 227	San Jose	AFS 7
Rich	DD 820	San Marcos	LSD 25
Richard Anderson	DD 786	Sand Lance	SSN 660
Richard E. Byrd	DDG 23	Sandoval	LPA 194
Richard Edwards	DD 950	Santa Barbara	AE 28
Richard Kraus	DD 49	Saratoga	CV 60
Richard Page	FFG 5	Sargo	SSN 583
Richard Russell	SSN 687	Sarsfield	DD 837
Richmond Turner	CG 22	Saugus	MCS 4
Rival	MSO 468	Savannah	AOR 4
		Scamp	SSN 588

Schenectady	LST 1185	Southerland	DD 743
Schofield	FFG 3	Spadefish	SSN 668
Scorpion	SSN 589	Spartanburg County	LST 1192
Scott	DDG 995	Sperry	AS 12
Sculpin	SSN 590	Spiegel Grove	LSD 32
Sea Devil	SSN 664	Springfield	CLG 7
Sea Fox	SS 402	Sproston	DD 577
Sea Leopard	SS 483	Spruance	DD 963
Sea Poacher	SS 406	St. Clair County	LST 1096
Sea Robin	SS 407	St. Louis	LKA 116
Seadragon	SSN 584	Stalwart	MSO 493
Seahorse	SSN 669	Stark	FFG 31
Searing	DD 710	Stein	FF 1065
Seattle	AOE 3	Steinaker	DD 863
Seawolf	SSN 575	Sterett	CG 31
Sedgwick County	LST 1123	Sterlet	SS 392
Segundo	SS 398	Stoddard	DD 566
Sellers	DDG 11	Stonewall Jackson	SSBN 634
Seminole	LKA 104	Stormes	DD 780
Semmes	DDG 18	Stribling	DD 867
Seneca	ATF 91	Strong	DD 758
Sennet	SS 408	Stump	DD 978
Severn	AO 61	Sturdy	MSO 494
Shadwell	LSD 15	Sturgeon	SSN 637
Shakori	ATF 162	Suffolk County	LST 1173
Shangri La	CV 38	Summit County	LST 1146
Shark	SSN 591	Sumner County	LST 1148
Shasta	AE 6	Sumter	LST 1181
Shasta	AE 33	Sunfish	SSN 649
Shelton	DD 790	Suribachi	AE 21
Shenandoah	AD 26	Sutter County	LST 1150
Shields	DD 596	Swerve	MSO 495
Shreveport	LPD 12	Swordfish	SSN 579
Shrike	MSC 201	Sylvania	AFS 2
Sides	FFG 14		
Sierra	AD 18	Taconic	LCC 17
Silversides	SSN 679	Takelma	ATF 113
Simon Bolivar	SSBN 641	Talbot	FFG 4
Simon Lake	AS 33	Talbot County	LST 1153
Sioux	ATF 75	Talladega	LPA 208
Sirago	SS 485	Taluga	AO 62
Skagit	LKA 105	Tang	SS 563
Skate	SSN 578	Tappahannock	AO 43
Skill	MSO 471	Tarawa	LHA 1
Skipjack	SSN 585	Tatnall	DDG 19
Skylark	ASR 20	Taurus	PHM 3
Snohomish County	LST 1126	Taussig	DD 746
Snook	SSN 592	Tautog	SSN 639
Somers	DD 947	Tawakoni	ATF 114
Somers	DDG 34	Tawasa	ATF 92
South Carolina	CGN 7	Taylor	DD 468

Tecumseh	SSBN 628	Tusk	SS 426
Telfair	LPA 210	Twining	DD 540
Tench	SS 417		
Terrebone Parish	LST 1156	Uhlmann	DD 687
Terrell County	LST 1157	Ulysses Grant	SSBN 631
Texas	CGN 39	Utina	ATF 163
Theodore Chandler	DD 717	Uvalde	LKA 88
Theodore Roosevelt	SSBN 600		
Thomas Edison	SSBN 610	Valdez	FF 1096
Thomas Hart	FF 1092	Valor	MSO 472
Thomas Jefferson	SSBN 618	Van Voorhis	FF 1028
Thomaston	LSD 28	Vancouver	LPD 2
Thorn	DD 998	Venture	MSO 496
Thornbeck	SS 418	Vermillion	LKA 107
Threadfin	SS 410	Vernon County	LST 1161
Thresher	SSN 593	Vesole	DD 878
Thuban	LKA 19	Vesuvius	AE 15
Ticonderoga	CV 14	Vigor	MSO 473
Ticonderoga	CG 47	Vireo	MSC 205
Tidewater	AD 31	Virginia	CGN 38
Tinosa	SSN 606	Vital	MSO 474
Tioga County	LST 1158	Vogel	FF 1047
Tirante	SS 420	Vogelgesang	DD 862
Tiru	SS 416	Volador	SS 490
Tolovana	AO 64	Von Steuben	SSBN 632
Tom Green County	LST 1159	Vreeland	FF 1068
Topeka	CLG 8	Vulcan	AR 5
Torsk	SS 423		
Tortuga	LSD 26	W. S. Sims	FF 1059
Towers	DDG 9	Wabash	AOR 5
Traverse County	LST 1160	Waccamaw	AO 109
Trenton	LPD 14	Waddell	DDG 24
Trepang	SSN 674	Wadsworth	FFG 9
Trigger	SS 564	Wahkiakum County	LST 1162
Tringa	ASR 16	Wahoo	SS 565
Tripoli	LPH 10	Wainwright	CG 28
Trippe	FF 1075	Waldo County	LST 1163
Triton	SSN 586	Waldron	DD 699
Trout	SS 566	Walke	DD 723
Truckee	AO 147	Walker	DD 517
Truett	FF 1095	Wallace Lind	DD 703
Trumpet Fish	SS 425	Waller	DD 466
Trutta	SS 421	Walworth County	LST 1164
Truxtun	CGN 35	Warbler	MSC 206
Tulare	LKA 112	Warrington	DD 843
Tullibee	SSN 597	Washburn	LKA 108
Tunny	SSN 682	Washoe County	LST 1165
Turner	DD 834	Washtenaw County	LST 1166
Turner Joy	DD 951	Wasp	CVS 18
Tuscaloosa	LST 1187		

AD-A099 696

INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA INTERNAT--ETC F/G 13/10
COMPOSITION OF THE ACTIVE FLEET, U.S. NAVY, 1961-1985. (U)
DEC 80 J T MCINTYRE MDA903-79-C-0018

UNCLASSIFIED

IDA-P-1520

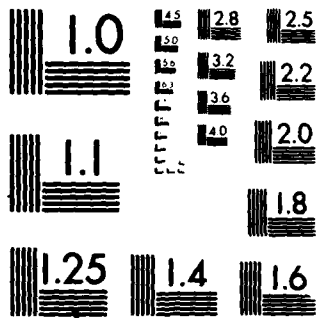
IDA/HQ-80-22731

ML

2 * 2
3 * 4



END
DATE
FILMED
7-81
DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

Wedderburn	DD 684
Westchester County	LST 1167
Wexford County	LST 1168
Whale	SSN 638
Whetstone	LSD 27
Whipple	FF 1062
Whippoorwill	MSC 207
White Plains	AFS 5
Whitfield County	LST 1169
Wichita	AOR 1
Widgeon	MSC 208
Will Rogers	SSBN 659
Willard Keith	DD 775
William Bates	SSN 680
William Lawe	DD 763
William Pratt	DDG 44
William Rush	DD 714
William Standley	CG 32
William Wood	DD 715
Wiltsie	DD 716
Windham County	LST 1170
Winston	LKA 94
Witek	DD 848
Wood County	LST 1178
Woodpecker	MSC 209
Woodrow Wilson	SSBN 624
Worden	CG 18
Wrangell	AE 12
Yancey	LKA 93
Yellowstone	AD 27
Yellowstone	AD 41
York County	LST 1175
Yorktown	CVS 10
Yosemite	AD 19
Zellers	DD 777

