

	NAVY OF THE NUCLEAR AGE		ADDENDA					
7 May 2017								
<b>NEW CONSTRUCTION &amp; ACQUISITIONS</b>								
<b>p.9 - AIRCRAFT CARRIERS - Gerald R. Ford Class</b>								
No.	Name	Builder	Keel Laid	Launched	Comm.			
CVN 78	<i>Gerald R. Ford</i>	Newport News	14 Nov 2009	17 Nov 2013				
CVN 79	<i>John F. Kennedy</i>	Newport News	20 Jul 2015					
CVN 80	<i>Enterprise</i>							
Displacement	100,000+ tons fl							
Dimensions	1092 (oa) 1040 (wl) x 256 (oa) 134 (wl) x 39							
Machinery	4 shafts, 4 steam turbines, 2 reactors, ~30 knots							
Complement	4787							
Armament	2-21 cell RAM launchers; Evolved Sea Sparrow							
<b>Notes:</b>	<i>Modified Nimitz-class, smaller island further aft, larger flight deck, a new propulsion plant design requiring fewer personnel. 4 catapults, 3 elevators.</i>							
<b>p.33 - NUCLEAR ATTACK SUBMARINES - Virginia Class</b>								
No.	Name	Builder	Keel Laid	Launched	Comm.			
SSN 779	<i>New Mexico</i>	Newport News	12 Apr 2008	17 Jan 2009	27 Mar 2010			
SSN 780	<i>Missouri</i>	Electric Boat	27 Sep 2008	20 Nov 2009	31 Jul 2010			
SSN 781	<i>California</i>	Newport News	1 May 2009	15 Nov 2010	7 Aug 2011			
SSN 782	<i>Mississippi</i>	Electric Boat	9 Jun 2010	3 Dec 2011	10 Mar 2012			
SSN 783	<i>Minnesota</i>	Newport News	20 May 2011	11 Nov 2012	7 Sep 2013			
SSN 784	<i>North Dakota</i>	Newport News	15 May 2012	2 Nov 2013	25 Oct 2014			
SSN 785	<i>John Warner</i>	Electric Boat	16 Mar 2013	10 Sep 2014	1 Aug 2015			
SSN 786	<i>Illinois</i>	Electric Boat	2 Jun 2014	8 Aug 2015	29 Oct 2016			
SSN 787	<i>Washington</i>	Newport News	22 Nov 2014	25 Mar 2016				
SSN 788	<i>Colorado</i>	Electric Boat	7 Mar 2015					
SSN 789	<i>Indiana</i>	Newport News	16 May 2015					
SSN 790	<i>South Dakota</i>	Electric Boat	4 Apr 2016					
SSN 791	<i>Delaware</i>	Newport News	30 Apr 2016					
SSN 792	<i>Vermont</i>	Electric Boat						
SSN 793	<i>Oregon</i>	Electric Boat						
SSN 794	<i>Montana</i>	Newport News						
SSN 795	<i>Hyman G. Rickover</i>	Electric Boat						

SSN 796	<i>New Jersey</i>	Newport News					
SSN 797	<i>Iowa</i>	Electric Boat					
SSN 798	<i>Massachusetts</i>	Newport News					
SSN 799	<i>Idaho</i>	Electric Boat					
SSN 800	<i>Arkansas</i>	Newport News					
SSN 801	<i>Utah</i>	Electric Boat					
Notes	Improved Virginia Class from SSN 784. Two large diameter launch tubes replace 12 VLS of previous submarines. SSN 784-791 (3rd block) and 792 on (4th block) will have revised bow and new technology. SSN 785 is named after a former secretary of the Navy.						
<b>p.37 - STRATEGIC MISSILE SUBMARINES</b>							
No.	Name	Builder	Keel Laid	Launched	Comm.		
SSBN 826	<i>Columbia</i>						
<b>p.78 - GUIDED MISSILE DESTROYERS - Improved Arleigh Burke Class</b>							
No.	Name	Builder	Keel Laid	Launched	Comm.		
DDG 103	<i>Truxtun</i>	Ingalls	11 Apr 2005	17 Apr 2007	25 Apr 2009		
DDG 104	<i>Sterett</i>	Bath	17 Nov 2005	20 May 2007	26 Jun 2008		
DDG 105	<i>Dewey</i>	Ingalls	4 Oct 2006	18 Jan 2008	26 Mar 2010		
DDG 106	<i>Stockdale</i>	Bath	10 Aug 2006	24 Feb 2008	18 Apr 2009		
DDG 107	<i>Gravelly</i>	Ingalls	26 Nov 2007	30 Mar 2009	20 Nov 2010		
DDG 108	<i>Wayne E. Meyer</i>	Bath	17 May 2007	19 Oct 2008	10 Oct 2009		
DDG 109	<i>Jason Dunham</i>	Bath	11 Apr 2008	2 Aug 2009	13 Nov 2010		
DDG 110	<i>William P. Lawrence</i>	Ingalls	16 Sep 2008	15 Dec 2009	19 May 2011		
DDG 111	<i>Spruance</i>	Bath	14 May 2009	6 Jun 2010	1 Sep 2011		
DDG 112	<i>Michael Murphy</i>	Bath	12 Jun 2010	8 May 2011	5 Sep 2012		
DDG 113	<i>John Finn</i>	Ingalls	18 Nov 2013	28 Mar 2015	28 Feb 2017 *		
DDG 114	<i>Ralph Johnson</i>	Ingalls	12 Sep 2014	12 Dec 2015			
DDG 115	<i>Rafael Peralta</i>	Bath	30 Oct 2014	30 Oct 2014			
DDG 116	<i>Thomas Hudner</i>	Bath	6 Nov 2015	6 Nov 2015			

DDG 117	<i>Paul Ignatius</i>	Ingalls	11 Sep 2015	12 Nov 2016				
DDG 118	<i>Daniel Inouye</i>	Bath						
DDG 119	<i>Delbert D. Black</i>	Ingalls	23 May 2016					
DDG 120	<i>Carl M. Levin</i>	Bath						
DDG 121	<i>Frank E. Petersen Jr.</i>	Ingalls	21 Feb 2017					
DDG 122	<i>John Basilone</i>	Bath						
DDG 123	<i>Lena H. Sutcliffe Higbee</i>	Ingalls						
DDG 124	<i>Harvey C. Barnum Jr.</i>	Bath						
DDG 125	<i>Jack H. Lucas</i>	Ingalls						
DDG 126	<i>Louis H. Wilson Jr.</i>	Bath						
<b>p.78 - GUIDED MISSILE DESTROYERS - Zumwalt Class</b>								
No.	Name	Builder	Keel Laid	Launched	Comm.			
DDG 1000	<i>Zumwalt</i>	Bath	17 Nov 2011	28 Oct 2013	15 Oct 2016			
DDG 1001	<i>Michael Monsoor</i>	Ingalls	23 May 2013					
DDG 1002	<i>Lyndon B. Johnson</i>	Bath	30 Jan 2017					
Displacement	14,564 tons							
Dimensions	600' (oa) x 80'8" x 27'6"							
Machinery	2 screws, gas turbines, 105,000 shp, 30+ knots							
Complement	140							
Armament	20 VLS modules, Sea Sparrow, Tomahawk, 2-155mm guns, 2 CIGS							
<b>Notes:</b>	New type with tumblehome hull form and stealth design. 30 units were originally planned, but eventually cut to 3.							
<b>p.99 AMPHIBIOUS ASSAULT SHIPS</b>								
No.	Name	Builder	Keel Laid	Launched	Comm.			
LHA 6	<i>America</i>	Ingalls	27 Apr 2009	4 Jun 2012	11 Oct 2014			
LHA 7	<i>Tripoli</i>	Ingalls	5 Mar 2015	1 May 2017				
LHA 8	<i>Bougainville</i>	Ingalls						
LHD 8	<i>Makin Island</i>	Ingalls	14 Feb 2004	22 Sep 2006	24 Oct 2009			
<b>p.102 AMPHIBIOUS TRANSPORT DOCKS - San Antonio Class</b>								
No.	Name	Builder	Keel Laid	Launched	Comm.			



<b>p.102 LITTORAL COMBAT SHIPS - Independence Class</b>					
No.	Name	Builder	Keel Laid	Launched	Comm.
LCS 2	<i>Independence</i>	Austal	19 Jan 2006	29 Apr 2008	16 Jan 2010
LCS 4	<i>Coronado</i>	Austal	17 Dec 2009	11 Jan 2012	5 Apr 2014
LCS 6	<i>Jackson</i>	Austal	18 Oct 2012	14 Dec 2013	5 Dec 2015
LCS 8	<i>Montgomery</i>	Austal	25 Jun 2013	6 Aug 2014	10 Sep 2016
LCS 10	<i>Gabrielle Giffords</i>	Austal	16 Apr 2014	25 Feb 2015	
LCS 12	<i>Omaha</i>	Austal	18 Feb 2015	20 Nov 2015	
LCS 14	<i>Manchester</i>	Austal	29 Jun 2015	13 May 2016	
LCS 16	<i>Tulsa</i>	Austal	11 Jan 2016		
LCS 18	<i>Charleston</i>	Austal	28 Jun 2016		
LCS 20	<i>Cincinnati</i>	Austal			
LCS 22	<i>Kansas City</i>	Austal			
LCS 24	<i>Oakland</i>	Austal			
LCS 26	<i>Mobile</i>	Austal			
Displacement	2,176 tons; 2,784 (fl)				
Dimensions:	418' (oa) x 104' (extreme) x 13'				
Machinery	2 GT, 2 diesels, 4 waterjets, 40+ knots				
Complement	40				
Armament	1-57mm, 1 Phalanx; 1 SeaRAM launcher				
<b>Note:</b>	Variant 0. Aluminum trimaran monohull hull type.				
<b>p.183 - MISSILE RANGE INSTRUMENTATION SHIP</b>					
No.	Name	Builder	Keel Laid	Launched	In service
AGM 25	<i>Howard O. Lorenzen</i>	Halter	13 Aug 2008	30 Jun 2010	10 Jan 2012
Displacement	12,229 tons				
Dimensions:	534' x 89' x 22'				
Machinery	20 knots				
Complement	88				
<b>Note:</b>	Failed trials in early 2011 and was rejected by the Navy until repairs were made.				
<b>p.189 - SURVEYING SHIP</b>					

No.	Name	Builder	Keel Laid	Launched	In service			
AGS 66	<i>Maury</i>	Halter	1 Feb 2011	27 Mar 2013	16 Feb 2016			
Displacement	1,981 tons; 4,888 (fl)							
Dimensions:	353' x 58' x 18'							
Machinery	2 screws, diesel-electric, 16 knots							
Complement	66							
<b>Note:</b>	<i>Improved Pathfinder Class.</i>							
<b>p.190 - OCEANOGRAPHIC RESEARCH SHIPS</b>								
No.	Name	Builder	Keel Laid	Launched	In service			
AGOR 27	<i>Neil Armstrong</i>	Dakota Creek	17 Aug 2012	22 Feb 2014	23 Sep 2015			
AGOR 28	<i>Sally Ride</i>	Dakota Creek	31 Aug 2012	4 Aug 2014	28 Oct 2016			
Displacement	3,043 tons							
Dimensions:	238' x 50' x 15'							
Machinery	12 knots							
Complement	44							
<b>Note:</b>	Prefix R/V. AGOR 27 operated by Woods Hole; 28 by Scripps Institute.							
<b>p.193 - EXPEDITIONARY FAST TRANSPORTS</b>								
No.	Name	Builder	Keel Laid	Launched	In Service			
EPF 1	<i>Spearhead</i>	Austal	22 Jul 2010	12 Sep 2011	5 Dec 2012			
EPF 2	<i>Choctaw County</i> <i>ex-Vigilant (3 Nov 2011)</i>	Austal	8 Nov 2011	1 Oct 2012	6 Jun 2013			
EPF 3	<i>Millinocket</i> <i>ex-Fortitude (2012)</i>	Austal	3 May 2012	5 Jun 2013	21 Mar 2014			
EPF 4	<i>Fall River</i>	Austal	20 May 2013	16 Jan 2014	15 Sep 2014			
EPF 5	<i>Trenton</i> <i>ex-Resolute (2013)</i>	Austal	10 Mar 2014	30 Sep 2014	13 Apr 2015			
EPF 6	<i>Brunswick</i>	Austal	2 Dec 2014	19 May 2015	14 Jan 2016			
EPF 7	<i>Carson City</i> <i>ex-Courageous (2013)</i>	Austal	31 Jul 2015	20 Jan 2016	24 Jun 2016			
EPF 8	<i>Yuma</i>	Austal	29 Mar 2016	17 Sep 2016				
EPF 9	<i>City of Bismarck</i>	Austal	28 Jan 2017					

	<i>ex-Bismarck (2017), ex-Sacrifice (2013)</i>						
EPF 10	<i>Burlington</i>	Austal					
EPF 11	<i>Puerto Rico</i>	Austal					
EPF 12		Austal					
Displacement	1,670 tons; 2,640 fl						
Dimensions:	337'11" x 93'6" x 12'7"						
Machinery	4 diesel engines, 43 knots						
Complement	22						
Notes: USNS. For fast inter-theater transportation of troops, vehicles, and equipment. Aluminum catamaran design. Capacity 104-312 troops. Originally five ships were to be built for the Army and Navy each, but all were allocated to the Navy and the Army ships were renamed as above. Formerly designated Joint High Speed Vessels (JHSV), rec. 2015							
<b>p.206 DRY CARGO SHIPS - Lewis and Clark Class</b>							
No.	Name	Builder	Keel Laid	Launched	In service		
AKE 5	<i>Robert E. Peary</i>	Nat.Steel	11 Dec 2006	27 Oct 2007	5 Jun 2008		
AKE 6	<i>Amelia Earhart</i>	Nat.Steel	29 May 2007	6 Apr 2008	30 Oct 2008		
AKE 7	<i>Carl Brashear</i>	Nat.Steel	2 Nov 2007	18 Sep 2008	4 Mar 2009		
AKE 8	<i>Wally Schirra</i>	Nat.Steel	14 Apr 2008	8 Mar 2010	1 Sep 2009		
AKE 9	<i>Matthew Perry</i>	Nat.Steel	29 Sep 2008	16 Aug 2009	24 Feb 2010		
AKE 10	<i>Charles Drew</i>	Nat.Steel	13 Mar 2009	27 Feb 2010	15 Jul 2010		
AKE 11	<i>Washington Chambers</i>	Nat.Steel	24 Aug 2009	11 Sep 2010	23 Feb 2011		
AKE 12	<i>William McLean</i>	Nat.Steel	23 Mar 2010	15 Apr 2011	28 Sep 2011		
AKE 13	<i>Medgar Evers</i>	Nat.Steel	26 Oct 2010	12 Nov 2011	24 Apr 2012		
AKE 14	<i>Cesar Chavez</i>	Nat.Steel	29 May 2011	6 May 2012	24 Oct 2012		
Note:	USNS, all numbers prefixed with T-.						
<b>p.218 OILERS</b>							
No.	Name	Builder	Keel Laid	Launched	In service		
AO 205	<i>John Lewis</i>	Nat.Steel					
AO 206	<i>Harvey Milk</i>	Nat.Steel					
AO 207	<i>Earl Warren</i>	Nat.Steel					

AO 208	<i>Robert F. Kennedy</i>	Nat.Steel					
AO 209	<i>Lucy Stone</i>	Nat.Steel					
AO 210	<i>Sojourner Truth</i>	Nat.Steel					
Displacement							
Dimensions							
Machinery							
Complement							
Notes							
<b>p.226 - HIGH SPEED FERRIES</b>							
			Keel Laid	Launched	In Service		
HST 1	<i>Guam</i>	Austal		18 Jan 2007	2015		
	<i>ex-Alakai</i>						
HST 2		Austal		29 Sep 2006	2015		
	<i>ex-Puerto Rico (2 Feb 2016), ex-Huakai</i>						
Displacement	1,646 tons ; 2,437 fl						
Dimensions	373' x 78' x 12'						
Machinery							
Complement	18						
<b>Notes</b>	USNS. Air cushion vehicles. Built as high speed commercial ferries for use in Hawaii.						
	Acquired 2012. Steel-hulled catamarans with drive on/drive off capability & aluminum superstructure.						
	HST 2 will be used between Portland, Me., & Yarmouth, NS.						
<b>p.237 - EXPEDITIONARY TRANSPORT DOCKS / EXPEDITIONARY SEA BASES</b>							
<b>No.</b>	<b>Name</b>	<b>Builder</b>	<b>Keel Laid</b>	<b>Launched</b>	<b>In Service</b>		
ESD 1	<i>Montford Point</i>	Nat.Steel	19 Jan 2012	13 Nov 2012	14 May 2013		
ESD 2	<i>John P. Glenn</i>	Nat.Steel	17 Apr 2012	15 Sep 2013	12 Mar 2014		
ESB 3	<i>Lewis B. Puller</i>	Nat.Steel	5 Nov 2013	6 Nov 2014	12 Jun 2015		
ESB 4	<i>Hershel Woody Williams</i>	Nat.Steel	2 Aug 2016				
ESB 5							
Displacement	39,900 tons ; 78,800 fl						
Dimensions	834' (oa) 795' (wl) x 164' x 28'						



WPC 1110	<i>Raymond Evans</i> <i>ex-Joseph Napier</i>	Bollinger		25 Jun 2014	6 Sep 2014			
WPC 1111	<i>William Trump</i>	Bollinger		25 Nov 2014	24 Jan 2015			
WPC 1112	<i>Isaac Mayo</i>	Bollinger		13 Jan 2015	28 Mar 2015			
WPC 1113	<i>Richard Dixon</i>	Bollinger		15 Apr 2015	3 Sep 2015			
WPC 1114	<i>Heriberto Hernandez</i>	Bollinger		30 Jul 2015	16 Oct 2015			
WPC 1115	<i>Joseph Napier</i>	Bollinger		20 Oct 2015	29 Jan 2016			
WPC 1116	<i>Winslow Griesser</i>	Bollinger		28 Dec 2015	11 Mar 2016			
WPC 1117	<i>Donald Horsley</i> <i>ex-Richard Patterson</i>	Bollinger		5 Mar 2016	20 May 2016			
WPC 1118	<i>Joseph Tezanos</i>	Bollinger		22 Jun 2016	26 Aug 2016			
WPC 1119	<i>Rollin A. Fritch</i>	Bollinger		23 Aug 2016	19 Nov 2016			
WPC 1120	<i>Lawrence Lawson</i>	Bollinger		18 Oct 2016				
WPC 1121	<i>John McCormick</i>	Bollinger		13 Dec 2016				
WPC 1122	<i>Bailey Barco</i>	Bollinger						
WPC 1123	<i>Benjamin Dailey</i>	Bollinger						
WPC 1124	<i>Oliver Berry</i>	Bollinger						
WPC 1125	<i>Jacob Poroo</i>	Bollinger						
WPC 1126	<i>Joseph Gerczak</i>	Bollinger						
WPC 1127	<i>Richard Snyder</i>	Bollinger						
WPC 1128	<i>Nathan Bruckenthal</i>	Bollinger						
WPC 1129	<i>Forrest Rednour</i>	Bollinger						
WPC 1130	<i>Robert Ward</i>	Bollinger						
WPC 1131	<i>Terrell Horne III</i>	Bollinger						
WPC 1132	<i>Benjamin Bottoms</i>	Bollinger						
WPC 1133	<i>Joseph Doyle</i>	Bollinger						
WPC 1134	<i>William Hart</i>	Bollinger						
WPC 1135		Bollinger						
Displacement	353 tons fl							
Dimensions	153'6" x 25' x 8'5"							
Machinery	2 diesels, BHP 5760, 28 knots							
Complement	22							
Notes	58 are projected. Based on design of the Dutch Damen Stan 4708 patrol vessel. Originally called Sentinel Class.							

<b>p.267 - Marine Protector Class</b>				
WPB	Name		Comm	
87367	<i>Sea Dragon</i>	Bollinger	31 Oct 2007	
87368	<i>Sea Devil</i>	Bollinger	6 Feb 2008	
87369	<i>Crocodile</i>	Bollinger	13 Aug 2008	
	<i>ex-Snapper</i>			
87370	<i>Diamondback</i>	Bollinger	17 Sep 2008	
87371	<i>Reef Shark</i>	Bollinger	22 Oct 2008	
87372	<i>Alligator</i>	Bollinger	26 Nov 2008	
	<i>ex-Crocodile</i>			
87373	<i>Sea Dog</i>	Bollinger	31 Dec 2008	
87374	<i>Sea Fox</i>	Bollinger	4 Feb 2009	
87375	<i>Sana'a</i>	Bollinger	2011	built for Yemen
87376	<i>Aden</i>	Bollinger	2011	built for Yemen
<b>p.252 - SHIPS ACQUIRED - SEALIFT / TANKERS</b>				
		Builder	Launched	Acquired
T-AOT 5193	<i>Empire State</i>	Nat.Steel	14 Jul 2010	2010
T-AOT 5205	<i>Evergreen State</i>	Nat.Steel	7 Dec 2010	15 Dec 2010
Displacement	58,746 tons ; 29,606 grt			
Dimensions	600'4" x 105' x 38'			
Machinery	1 shaft, diesel engine, 14.8 knots			
Complement	21			
T-AOT 5246	<i>Maersk Peary</i>	STX, S.Korea	2004	10 Dec 2011
	<i>ex-Jutul</i>			
Displacement	47,876 tons ; 25,487 grt			
Dimensions	592' x 105' x 38'			
Machinery	13 knots			
Complement	21			
Note	Designed for polar service.			

T-AOT 5356	<i>SLNC Pax</i> <i>ex-Bomar Eris (2014)</i>		2008				
T-AOT 5419	<i>SLNC Goodwill</i> <i>ex-Nord Goodwill (2016)</i>		2009				
Displacement	62,174 tons						
Dimensions	621' x 62'						
Machinery	15 knots						
T-AK 5158	<i>Mohegan</i>	Orskov		1 Sep 1964	15 Jan 2008		
Displacement	11,245 tons						
Dimensions	397* x						
Machinery	1 shaft, diesel, 13 knots						
Complement	14						
<b>Support Vessels</b>							
T-AGSE 1	<i>Black Powder</i> <i>ex-HOS Black Powder</i>	Leevac, Jennings, LA		14 Oct 2009			
T-AGSE 2	<i>Westwind</i> <i>ex-HOS Westwind</i>	Leevac, Jennings, LA					
T-AGSE 3	<i>Eagleview</i> <i>ex-HOS Eagleview</i>	Leevac, Jennings, LA					
T-AGSE 4	<i>Arrowhead</i> <i>ex-Hos Arrowhead</i>	Leevac, Jennings, LA					
Displacement	2,850 tons fl						
Dimensions	250' (oa) x 54' x 14'8"						
Machinery	2 shafts, diesel engines, HP 3600, 10 knots						
Complement	11						
Notes	USNS. Chartered to provide protection for submarines entering and departing the two Trident submarine bases. Armed with 1-25mm (Coast Guard manned). Purchased by USN & renamed 2015.						
<b>p253 : add to Submarine Support Vessels</b>							
	<i>Hos Dominator</i>			3,655 f/l	240' x 54' x 13		52

	<i>C-Champion</i>	1997		2,106 f/l	220' x 56' x 16'6	44		
	<i>Malama</i>							
<b>p.279 - NOAA</b>								
Add to Oscar Dyson class:		Builder	Keel Laid	Launched	In Service			
R 228	<i>Reuben Lasker</i>	Marinette		16 Jun 2012	8 Nov 2013			
R 229								