

# ***A and A Game Engineering Stations Manned and Ready***

## **Game data file for USA - World War 2**

This data file contains precalculated game data for ships of the above nation.

Each record shows the class name, ship type, and construction date, followed by the vessel's base game data in the same layout as that used in the rules.

This is followed by the armament, again in the same layout, though the presentation is slightly different.

The final section shows, on the left, the ships in the class, which may also show a date from, or until which that ship's values are valid.

In the right hand section you will find details of all the other equipment carried and used in the game. Note that there may be asterisks or other marks which cross reference between the ships on the left and the special data on the right. Again, ship specific equipment and values are shown. Most special game data is headed with a bullet point.

All information in this document is (c) A A Game Engineering and is for use with our rule sets. It may not be used for any other purpose without our express agreement.

Data for the following ship classes is included in this document

BB	California (1921)
BB	California (1942)
BB	Iowa
BB	Maryland (1923)
BB	Maryland (1929)
BB	Maryland (1942)
BB	Maryland (1944 - West Virginia)
BB	New Mexico (1918)
BB	New Mexico (1934)
BB	New Mexico (1942 - Idaho)
BB	New Mexico (1942)
BB	New Mexico (1945 - Idaho)
BB	North Carolina
BB	Pennsylvania (1931)
BB	Pennsylvania (1943)
BB	South Dakota (1st group)
BB	South Dakota (2nd group)
CV	Essex
CV	Independence
CV	Lexington (1927)
CV	Lexington (1942)
CV	Saratoga (1942)
CV	Saratoga (1944)
CV	Wasp (1941)
CV	Yorktown
CVL	Casablanca
CA	Baltimore
CA	New Orleans
CA	Northampton (1930)
CA	Northampton (1941)
CA	Pensacola (1930)
CA	Pensacola (1941)
CA	Portland
CA	Wichita (1941)
CL	Brooklyn (1941 1st group)
CL	Brooklyn (1941 2nd group)
CL	Cleveland
CLAA	Atlanta (1st group)
CLAA	Atlanta (2nd group)
DD	Bagley
DD	Benham
DD	Benson/Gleaves (4 gun)
DD	Benson/Gleaves (5 gun)
DD	Clemson ("Flushdeckers" - 1918)
DD	Clemson ("Flushdeckers" - 1941)
DD	Farragut (1935)
DD	Farragut (1942)
DD	Fletcher

DD Gridley (1937)  
DD Mahan (1937)  
DD Mahan (1942)  
DD Porter (1935)  
DD Porter (1944)  
DD Porter (1945)  
DD Sims (1939)  
DD Sims (1941)  
DD Somers (1939)  
DD Somers (1943)  
DDE 'WGT' type

<i>Class Name</i>	<i>Date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Type</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

<b>USA</b>								
<b>California (1921)</b>	1916	95	21	+ 2	5 RB	7	3	1928
BB Battleship		40	9	10	4	11	12	0
12x14" Mks 4; 6 (L/50) — AT3: B(x2).S(x2)		8	5	13	11	9	8	6
14x5" Mks 7; 8; 15 (L/51) — O1: PB(x7).SB(x7)		2	4	4	3	1	0	—
California, Tennessee		SRAA: 2						
<b>California (1942)</b>	1916	119	21	+ 2	5 RB	9	5	2447
BB Battleship		49	9	10	6	11	12	0
12x14" Mks 7; 11 (L/50) — AT3: B(x2).S(x2)		9	5	13	11	9	8	6
16x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x4).SB(x4)		4	3	4	2	1	—	—
California (from 1944), Tennessee		Scout Planes: 3; SRAA: 11; DP: 8 ^VT AA ammunition can be used from 1943 (cost +40) • California: SRAA 13 in January 1944 (cost +20)						
<b>Iowa</b>	1940	94	33	+ 2	5 RB	7	4	3782
BB Battleship		40	13	10	6	13	14	0
9x16" Mk 7 (L/50) — AT3: B(x2).S		17	5	15	14	12	11	10
20x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x5).SB(x5)		4	3	4	2	1	—	—
Iowa, New Jersey, Missouri, Wisconsin		Scout Planes: 3; SRAA: 14; DP: 9 ^VT AA ammunition can be used from 1943 (cost +45)						
<b>Maryland (1923)</b>	1917	96	21	+ 2	5 RB	7	3	1974
BB Battleship		40	9	10	4	11	12	0
8x16" Mks 1, 5, 8 (L/45) — AT2: B(x2).S(x2)		11	5	14	12	11	9	8
14x5" Mks 7; 8; 15 (L/51) — C1: PB(x5).SB(x5); O1: PB(x2).SB(x2)		2	4	4	3	1	0	—
Colorado, Maryland, West Virginia		SRAA: 3						
<b>Maryland (1929)</b>	1917	96	21	+ 2	5 RB	7	3	2073
BB Battleship		40	9	10	4	11	12	0
8x16" Mks 1, 5, 8 (L/45) — AT2: B(x2).S(x2)		11	5	14	12	11	9	8
14x5" Mks 7; 8; 15 (L/51) — C1: PB(x5).SB(x5); O1: PB(x2).SB(x2)		2	4	4	3	1	0	—
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—
Colorado, Maryland, West Virginia		Scout Planes: 1; DP: 6						
<b>Maryland (1942)</b>	1917	111	21	+ 2	5 RB	8	5	2172
BB Battleship		46	9	10	4	11	12	0
8x16" Mks 1, 5, 8 (L/45) — AT2: B(x2).S(x2)		11	5	14	12	11	9	8
14x5" Mks 7; 8; 15 (L/51) — C1: PB(x5).SB(x5); O1: PB(x2).SB(x2)		2	4	4	3	1	0	—
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—
Colorado, Maryland		Scout Planes: 2; SRAA: 6; DP: 5 • Maryland: SRAA 9 in February 1943 (cost +30), 10 in November 1943 (cost +40) • Colorado: SRAA 10 in November 1943 (cost +40) • Colorado and Maryland: had 2x5"/25 removed in November 1943 making outfit O1: SB(x3).PB(x3), DP gun value reduced to 5. Overall cost adjustment for this is -27 points.						

<i>Class Name</i>	<i>Date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Type</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

<b>USA</b>								
<b>Maryland (1944 - West Virginia)</b>	1917	119	21	+2	5 RB	9	5	2290
BB Battleship		49	9	10	6	11	12	0
8x16" Mks 1, 5, 8 (L/45) — AT2: B(x2).S(x2)		11	5	14	12	11	9	8
16x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x4).SB(x4)		4	3	4	2	1	—	—
West Virginia		<i>Scout Planes: 2; SRAA: 11; DP: 8</i>						
		<i>^VT AA ammunition can be used from 1943 (cost +40)</i>						
<b>New Mexico (1918)</b>	1915	95	21	+2	5 RB	7	3	2008
BB Battleship		40	9	10	4	11	12	0
12x14" Mks 4; 6 (L/50) — AT3: B(x2).S(x2)		8	5	13	11	9	8	6
14x5" Mks 7; 8; 15 (L/51) — O1: PB(x7).SB(x7)		2	4	4	3	1	0	—
New Mexico, Mississippi, Idaho		<i>Scout Planes: 3; SRAA: 3; DP: 7</i>						
<b>New Mexico (1934)</b>	1915	118	21	+2	5 RB	9	4	2300
BB Battleship		48	9	10	6	11	12	0
12x14" Mks 7; 11 (L/50) — AT3: B(x2).S(x2)		9	5	13	11	9	8	6
14x5" Mks 7; 8; 15 (L/51) — O1: PB(x7).SB(x7)		2	4	4	3	1	0	—
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—
New Mexico, Mississippi, Idaho		<i>Scout Planes: 3; DP: 6</i>						
<b>New Mexico (1942 - Idaho)</b>	1915	118	21	+2	5 RB	9	4	2310
BB Battleship		48	9	10	6	11	12	0
12x14" Mks 7; 11 (L/50) — AT3: B(x2).S(x2)		9	5	13	11	9	8	6
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—
Idaho		<i>Scout Planes: 3; SRAA: 9; DP: 6</i>						
		<i>• SRAA 11 in February 1943 (cost +20)</i>						
<b>New Mexico (1942)</b>	1915	118	21	+2	5 RB	9	4	2316
BB Battleship		48	9	10	6	11	12	0
12x14" Mks 7; 11 (L/50) — AT3: B(x2).S(x2)		9	5	13	11	9	8	6
8x5" Mks 7; 8; 15 (L/51) — O1: PB(x4).SB(x4)		2	4	4	3	1	0	—
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—
New Mexico, Mississippi		<i>Scout Planes: 3; SRAA: 5; DP: 6</i>						
		<i>• SRAA 7 in November 1942 (cost +20), 9 in October 1943 (cost +40), 10 in 1944 (cost +50), 11 in 1945 (cost +60)</i>						
<b>New Mexico (1945 - Idaho)</b>	1915	118	21	+2	5 RB	9	4	2362
BB Battleship		48	9	10	6	11	12	0
12x14" Mks 7; 11 (L/50) — AT3: B(x2).S(x2)		9	5	13	11	9	8	6
10x5" Mk 12 Single (L/38) DP^ — UT1: PB(x5).SB(x5)		4	3	4	2	1	—	—
Idaho		<i>Scout Planes: 3; SRAA: 11; DP: 6</i>						
		<i>^VT AA ammunition can be used from 1943 (cost +30)</i>						

Class Name Type	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

<b>USA</b>								
<b>North Carolina</b>	1937	94	28	+ 2	5 RB	7	4	3468
BB	Battleship	41	11	10	6	11	12	0
9x16" Mk 6 (L/45) — AT3: B(x2).S		17	5	14	13	11	10	9
20x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x5).SB(x5)		4	3	4	2	1	—	—
North Carolina, Washington		Scout Planes: 3; SRAA: 4; DP: 9 ^VT AA ammunition can be used from 1943 (cost +45) • North Carolina SRAA: 7 in March 1942 (cost +30), 8 in April 1942 (cost +40), 11 in November 1942 (cost +70), 12 in June 1943 (cost +80), 13 in March 1944 (cost +90) • Washington SRAA: 6 in April 1942 (cost +20), 8 in September 1942 (cost +40), 10 in April 1943 (cost +60), 12 in June 1943 (cost +80), 13 in September 1943 (cost +90)						
<b>Pennsylvania (1931)</b>	1913	110	21	+ 2	5 RB	8	3	2057
BB	Battleship	46	9	10	5	11	12	0
12x14" Mks 8; 9; 10; 12 (L/45) — AT3: B(x2).S(x2)		8	5	13	11	9	7	6
12x5" Mks 7; 8; 15 (L/51) — O1: PB(x6).SB(x6)		2	4	4	3	1	0	—
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—
Pennsylvania, Arizona		Scout Planes: 3; DP: 6 • Pennsylvania: SRAA 6 in April 1942 (cost +60)						
<b>Pennsylvania (1943)</b>	1913	110	21	+ 2	5 RB	8	3	2211
BB	Battleship	46	9	10	5	11	12	0
12x14" Mks 8; 9; 10; 12 (L/45) — AT3: B(x2).S(x2)		8	5	13	11	9	7	6
16x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x4).SB(x4)		4	3	4	2	1	—	—
Pennsylvania		Scout Planes: 3; SRAA: 11; DP: 8 ^VT AA ammunition can be used from 1943 (cost +40)						
<b>South Dakota (1st group)</b>	1939	103	28	+ 2	5 RB	8	4	3516
BB	Battleship	44	10	10	6	12	13	0
9x16" Mk 6 (L/45) — AT3: B(x2).S		17	5	14	13	11	10	9
16x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x4).SB(x4)		4	3	4	2	1	—	—
South Dakota		Scout Planes: 3; SRAA: 7; DP: 8 ^VT AA ammunition can be used from 1943 (cost +40) • SRAA 8 in September 1942 (cost +10), 9 in October 1942 (cost +20), 10 in November 1942 (cost +30), 13 in February 1943 (cost +60), 14 in May 1945 (cost +70)						
<b>South Dakota (2nd group)</b>	1939	103	28	+ 2	5 RB	8	4	3586
BB	Battleship	44	10	10	6	12	13	0
9x16" Mk 6 (L/45) — AT3: B(x2).S		17	5	14	13	11	10	9
20x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x5).SB(x5)		4	3	4	2	1	—	—
Indiana, Massachusetts, Alabama		Scout Planes: 3; SRAA: 9; DP: 9 ^VT AA ammunition can be used from 1943 (cost +45) • Indiana: SRAA 10 in December 1942 (cost +10), 11 in January 1943 (cost +20), 12 in February 1943 (cost +30) • Massachusetts: SRAA 11 in December 1942 (cost +20), 12 in February 1943 (cost +30), 13 in May 1945 (cost +40) • Alabama: SRAA 10 from May 1943 (cost +10)						

Class Name	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

USA

<b>Essex</b>		1941	36	33	+ 1	5 RB	3	5	692
CV	Aircraft Carrier		25	12	5	3	0	0	0
	4x5" Mk 12 Single (L/38) DP^ — O1: PB(x4)		3	3	4	2	1	—	—
	8x5" Mk 12 Twin (L/38) DP^ — UT2: B(x2).S(x2)		4	3	4	2	1	—	—

Essex, Yorktown, Intrepid, Hornet, Franklin, Ticonderoga, Randolph, Lexington, Bunker Hill, Wasp, Hancock, Bennington, Boxer, Bon Homme Richard, Antietam, Shangri La

SRAA: 10; DP: 7  
 ^VT AA ammunition can be used from 1943 (cost +35)  
 Carrier Handling: 19; Catapults: 2;  
 Maximum Operational Aircraft Capacity: 91  
 Carrier Victory Point Bonus: 630  
 Ventilated Hangar; Armoured Flight Deck  
 • SRAA on all is 14 in 1945 (cost +40), except  
 Essex: 12 (cost +20); Hornet: 10; Wasp, Bon Homme Richard: 13 (cost +30)  
 • Number of catapults varies on some ships:  
 Essex had NO catapults  
 Yorktown, Intrepid, Hornet, Franklin, Lexington, Bunker Hill and Wasp had ONE catapult.  
 • Optimum air complement: 36 fighters, 37 dive bombers, 18 torpedo bombers

<b>Independence</b>		1941	21	32	+ 0	4 RB	2	4	304
CV	Aircraft Carrier		14	9	6	3	0	0	0
—			-	-	-	-	-	-	-

Independence, Princeton, Belleau Wood, Cowpens, Monterey, Langley, Cabot, Bataan, San Jacinto

SRAA: 8  
 Carrier Handling: 8; Catapults: 2;  
 Maximum Operational Aircraft Capacity: 30  
 Carrier Victory Point Bonus: 91  
 • SRAA reduced to 7 in 1945 (cost -10)  
 • Air group normally 12 fighters, 9 dive bombers, 9 torpedo planes.

<b>Lexington (1927)</b>		1920	52	33	+ 2	5 RB	4	5	762
CV	Aircraft Carrier		34	13	7	2	3	0	0
	8x8" Mks 9-15 (L/55) — UT2: B(x2).S(x2)		3	5	8	6	4	3	2
	12x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x6).SB(x6)		4	3	3	2	1	—	—

Lexington, Saratoga

DP: 7  
 Carrier Handling: 15; Catapults: 1;  
 Maximum Operational Aircraft Capacity: 63  
 Carrier Victory Point Bonus: 480

<b>Lexington (1942)</b>		1920	52	33	+ 2	5 RB	4	5	632
CV	Aircraft Carrier		34	13	7	2	3	0	0
	12x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x6).SB(x6)		4	3	3	2	1	—	—

Lexington

SRAA: 8; DP: 7  
 Carrier Handling: 15; Catapults: 1;  
 Maximum Operational Aircraft Capacity: 63  
 Carrier Victory Point Bonus: 398  
 • Air establishment in 1936 was 18 fighters, 40 bombers and 5 others

Class Name	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

USA

<b>Saratoga (1942)</b>	1920	52	33	+ 2	5 RB	4	5	684
CV Aircraft Carrier		34	13	7	2	3	0	0
8x5" Mk 12 Single (L/38) DP^ — UT1: PB(x4).SB(x4)		3	3	4	2	1	—	—
8x5" Mk 12 Twin (L/38) DP^ — UT2: B(x2).S(x2)		3	3	4	2	1	—	—
Saratoga		SRAA: 8; DP: 7 ^VT AA ammunition can be used from 1943 (cost +35) Carrier Handling: 16; Catapults: 1; Maximum Operational Aircraft Capacity: 63 Carrier Victory Point Bonus: 431 • SRAA 10 (cost +20) by 1943						

<b>Saratoga (1944)</b>	1920	52	33	+ 2	5 RB	4	5	754
CV Aircraft Carrier		34	13	7	2	3	0	0
8x5" Mk 12 Single (L/38) DP^ — UT1: PB(x4).SB(x4)		3	3	4	2	1	—	—
8x5" Mk 12 Twin (L/38) DP^ — UT2: B(x2).S(x2)		3	3	4	2	1	—	—
Saratoga		SRAA: 14; DP: 7 ^VT AA ammunition can be used from 1943 (cost +35) Carrier Handling: 16; Catapults: 2; Maximum Operational Aircraft Capacity: 63 Carrier Victory Point Bonus: 475						

<b>Wasp (1941)</b>	1936	21	30	+ 0	4 RB	2	5	435
CV Aircraft Carrier		17	10	1	2	0	0	0
8x5" Mk 12 Single (L/38) DP^ — O1: PB(x4).SB(x4)		3	3	4	2	1	—	—
Wasp		SRAA: 4; DP: 5 ^VT AA ammunition can be used from 1943 (cost +25) Carrier Handling: 15; Catapults: 2; Maximum Operational Aircraft Capacity: 76 Carrier Victory Point Bonus: 331 Ventilated Hangar • SRAA 6 in mid-1942 (cost +20) • Air group in 1942 comprised 27 fighters, 37 dive bombers and 12 torpedo bombers.						

<b>Yorktown</b>	1934	29	33	+ 1	5 RB	3	5	473
CV Aircraft Carrier		19	12	5	2	5	0	0
8x5" Mk 12 Single (L/38) DP^ — O1: PB(x4).SB(x4)		3	3	4	2	1	—	—
Yorktown, Enterprise, Hornet		SRAA: 4; DP: 5 ^VT AA ammunition can be used from 1943 (cost +25) Carrier Handling: 17; Catapults: 2; Maximum Operational Aircraft Capacity: 96 Carrier Victory Point Bonus: 454 Ventilated Hangar • Hornet: SRAA 7 in 10/42 (cost +30) • Enterprise: SRAA 11 by 1945 (cost +70) • Air group normally 18 fighters, 36 torpedo planes, 37 dive bombers						

<i>Class Name</i>	<i>Date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Type</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

USA

<b>Casablanca</b>	1942	13	19	- 1	4 RB	2	3	225
CVL Light Carrier		13	7	0	0	0	0	0
1x5" Mk 12 Single (L/38) DP^ — O1: S		4	3	4	2	1	—	—
50 in class		<i>SRAA: 5; DP: 2</i>						

*^VT AA ammunition can be used from 1943 (cost +10)*  
*Carrier Handling: 7; Catapults: 0;*  
*Maximum Operational Aircraft Capacity: 27*  
*Carrier Victory Point Bonus: 61*  
*• SRAA 8 by 1944 (cost +30)*  
*• Aircraft complement 9 fighters, plus 9 dive bombers and 9 torpedo bombers or 18 torpedo bombers*

<b>Baltimore</b>	1941	29	33	+ 0	4 RB	3	5	776
CA Heavy Cruiser		15	10	6	3	6	8	0
9x8" Mks 12; 15 (L/55) — AT3: B(x2).S		4	5	8	6	4	3	2
12x5" Mk 12 Twin (L/38) DP^ — UT2: B.PB(x2).SB(x2).S		4	3	4	2	1	—	—

*(Completed before VJ Day) Baltimore, Boston, Canberra, Quincy, Pittsburgh. St Paul, Columbus, Helena, Bremerton, Fall River, Los Angeles, Chicago*  
*Scout Planes: 4; SRAA: 11; DP: 7*  
*^VT AA ammunition can be used from 1943 (cost +35)*

<b>New Orleans</b>	1931	21	33	+ 0	4 RB	2	3	486
CA Heavy Cruiser		12	9	6	3	0	6	0
9x8" Mks 9-15 (L/55) — AT3: B(x2).S		3	5	8	6	4	3	2
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—

*New Orleans, Astoria, Minneapolis, Tuscaloosa, San Francisco, Quincy, Vincennes*  
*Scout Planes: 4; DP: 6*  
*• SRAA 4 in all in April 1942 (cost +40)*  
*• New Orleans, Minneapolis, San Francisco: SRAA 5 in October 1942 (cost +50), 8 in April 1943 (cost +80)*  
*• Tuscaloosa: SRAA 6 in October 1942 (cost +60), 8 in April 1943 (cost +80)*

<b>Northampton (1930)</b>	1928	19	33	- 1	4 RB	2	2	454
CA Heavy Cruiser		12	9	4	3	0	3	0
9x8" Mks 9-15 (L/55) — AT3: B(x2).S		3	5	8	6	4	3	2
4x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x2).SB(x2)		4	3	3	2	1	—	—
6x21" Mk 11/12 (1926) — TT3: PB.SB		4	3	+1	+1	+0	—	—

*Northampton, Chester, Louisville, Chicago, Houston, Augusta*  
*Scout Planes: 4; DP: 4*

<b>Northampton (1941)</b>	1928	19	33	- 1	4 RB	2	2	519
CA Heavy Cruiser		12	9	4	3	0	3	0
9x8" Mks 9-15 (L/55) — AT3: B(x2).S		3	5	8	6	4	3	2
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x2).SB(x2)		4	3	3	2	1	—	—

*Northampton, Chester, Louisville, Chicago, Houston, Augusta*  
*Scout Planes: 4; SRAA: 4; DP: 6*  
*• Chester: SRAA 5 in August 1942 (cost +10), 8 in 1944 (cost +40)*  
*• Chicago: SRAA 7 in August 1942 (cost +30)*  
*• Northampton: SRAA 6 in August 1942 (cost +20)*  
*• Louisville, Augusta: SRAA 8 in 1944 (cost +40)*

Class Name Type	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

USA

<b>Pensacola (1930)</b>	1926	20	33	- 1	4 RB	2	3	484
CA Heavy Cruiser		12	9	5	2	0	3	0
10x8" Mks 9-15 (L/55) — AT2: B.S; AT3: B.S		3	5	8	6	4	3	2
4x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x2).SB(x2)		4	3	3	2	1	—	—
6x21" Mk 11/12 (1926) — TT3: PB.SB		4	3	+1	+1	+0	—	—

Pensacola, Salt Lake City

Scout Planes: 4; DP: 4

<b>Pensacola (1941)</b>	1926	20	33	- 1	4 RB	2	3	538
CA Heavy Cruiser		12	9	5	2	0	3	0
10x8" Mks 9-15 (L/55) — AT2: B.S; AT3: B.S		3	5	8	6	4	3	2
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—

Pensacola, Salt Lake City

Scout Planes: 4; SRAA: 3; DP: 6

• SRAA in 1942 5 (cost +20), 6 in 1943 (cost +30), 8 in 1944 (cost +50). Aircraft reduced to 2 in 1944

<b>Portland</b>	1930	21	33	+ 0	4 RB	2	3	490
CA Heavy Cruiser		13	9	6	3	0	3	0
9x8" Mks 9-15 (L/55) — AT3: B(x2).S		3	5	8	6	4	3	2
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—

Indianapolis, Portland

Scout Planes: 4; DP: 6

• SRAA 5 in 1942 (cost +50), 8 in 1944 (cost +80)

<b>Wichita (1941)</b>	1935	23	33	+ 0	4 RB	3	3	543
CA Heavy Cruiser		12	9	6	3	6	8	0
9x8" Mks 9-15 (L/55) — AT3: B(x2).S		3	5	8	6	4	3	2
8x5" Mk 12 Single (L/38) DP^ — UT1: B.PB(x3).SB(x3).S		4	3	4	2	1	—	—

Wichita

Scout Planes: 4; SRAA: 3; DP: 6

^VT AA ammunition can be used from 1943 (cost +30)

• SRAA 5 in 1943 (cost +20), 7 in November 1943 (cost +40), 8 in 1945 (cost +50)

<b>Brooklyn (1941 1st group)</b>	1935	23	33	+ 0	4 RB	3	3	641
CL Light Cruiser		11	9	6	3	6	7	0
15x6" Mk 16 (L/47) — AT3: B(x2).CB.S(x2)		4	5	6	4	2	1	1
8x5" Mks 10; 11; 13; 17 (L/25) DP — O1: PB(x4).SB(x4)		4	3	3	2	1	—	—

Brooklyn, Philadelphia, Savannah, Nashville, Phoenix, Boise, Honolulu

Scout Planes: 4; SRAA: 4; DP: 6

• SRAA 7 in November 1942 (cost +30), 8 by end of war (cost +40)

<b>Brooklyn (1941 2nd group)</b>	1935	23	33	+ 0	4 RB	3	3	653
CL Light Cruiser		11	9	6	3	6	7	0
15x6" Mk 16 (L/47) — AT3: B(x2).CB.S(x2)		4	5	6	4	2	1	1
8x5" Mk 12 Twin (L/38) DP^ — UT2: PB(x2).SB(x2)		4	3	4	2	1	—	—

St Louis, Helena; Savannah (from 1944)

Scout Planes: 4; SRAA: 4; DP: 6

^VT AA ammunition can be used from 1943 (cost +30)

• SRAA 7 in November 1942 (cost +30), 8 by end of war (cost +40)

Class Name Type	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
		IP	RB	I	II	III	IV	V
Ships in Class		Other Weapons and Equipment, Notes						

USA

<b>Cleveland</b>	1940	26	33	+ 0	4 RB	3	4	750
CL	Light Cruiser	14	9	0	23	6	7	0
12x6" Mk 16 (L/47) — AT3: B(x2).S(x2)		4	5	6	4	2	1	1
12x5" Mk 12 Twin (L/38) DP^ — UT2: B.PB(x2).SB(x2).S		4	3	4	2	1	—	—
Cleveland, Columbia, Montpelier, Denver, Santa Fe, Birmingham, Mobile, Vincennes, Pasadena, Springfield, Topeka, Biloxi, Houston, Providence, Vicksburg, Duluth, Miami, Astoria, Oklahoma City, Little Rock, Amsterdam, Portsmouth, Wilkes-Barre, Dayton		Scout Planes: 4; SRAA: 11; DP: 7 ^VT AA ammunition can be used from 1943 (cost +35) • Cleveland, Columbia: SRAA 5 (cost -60) • Montpelier, Denver, Santa Fe, Birmingham, Mobile, Vincennes, Pasadena, Springfield, Topeka, Biloxi, Houston: SRAA 8 (cost -30)						
<b>Atlanta (1st group)</b>	1940	15	33	- 1	4 RB	2	2	515
CLAA	Anti Aircraft Cruiser	9	8	5	2	0	2	0
16x5" Mk 12 Twin (L/38) DP^ — AT2: B(x3).PB.SB.S(x3)		4	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: PB.SB		7	3	+1	+0	+0	—	—
Atlanta, Juneau, San Diego, San Juan		SRAA: 6; DP: 8 ^VT AA ammunition can be used from 1943 (cost +40) • SRAA 7 from October 1942 (cost +10)						
<b>Atlanta (2nd group)</b>	1940	15	33	- 1	4 RB	2	2	474
CLAA	Anti Aircraft Cruiser	9	8	5	2	0	2	0
12x5" Mk 12 Twin (L/38) DP^ — AT2: B(x3).S(x3)		4	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: PB.SB		7	3	+1	+0	+0	—	—
Oakland, Reno, Flint, Tucson		SRAA: 7; DP: 7 ^VT AA ammunition can be used from 1943 (cost +35) • Oakland: SRAA 8 in 1945 (cost +10)						
<b>Bagley</b>	1936	4	39	- 2	3 RB	1	1	283
DD	Destroyer	4	5	0	0	0	0	0
2x5" Mk 12 Single (L/38) DP^ — UT1: B(x2)		4	3	4	2	1	—	—
2x5" Mk 12 Single (L/38) DP^ — O1: S(x2)		3	3	4	2	1	—	—
16x21" Mk 15 (1935) — TT4: PB(x2).SB(x2)		7	3	+1	+0	+0	—	—
Bagley, Blue, Helm, Mugford, Ralph Talbot, Henley, Patterson, Jarvis		DP: 4 ^VT AA ammunition can be used from 1943 (cost +20) • SRAA 3 by 1945 (cost +30)						
<b>Benham</b>	1938	4	39	- 2	3 RB	1	1	290
DD	Destroyer	4	5	0	0	0	0	0
4x5" Mk 12 Single (L/38) DP^ — UT1: B(x2).S(x2)		4	3	4	2	1	—	—
16x21" Mk 15 (1935) — TT4: PB(x2).SB(x2)		7	3	+1	+0	+0	—	—
Benham, Ellet, Lang, Mayrant, Trippe, Rhind, Rowan, Stack, Sterett, Wilson		DP: 4 ^VT AA ammunition can be used from 1943 (cost +20) • SRAA 3 by end of war (cost +30) • On some 2xTT4 removed making outfit PB.SB, with SRAA 5 (overall cost -16).						
<b>Benson/Gleaves (4 gun)</b>	1939	4	35	- 2	3 RB	1	1	242
DD	Destroyer	4	5	0	0	0	0	0
4x5" Mk 12 Single (L/38) DP^ — UT1: B(x2).S(x2)		4	3	4	2	1	—	—
5x21" Mk 15 (1935) — TT5: CB		7	3	+1	+0	+0	—	—
Benson Class consisted of DDs 459, 460, 491, 492, 598-617 Gleaves class consisted of DDs 453-458, 461-464, 483-497, 618-641, 645-648		SRAA: 4; DP: 4 ^VT AA ammunition can be used from 1943 (cost +20) • SRAA 5 by 1945 (cost +10)						

Class Name Type	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

USA

<b>Benson/Gleaves (5 gun)</b>	1939	4	35	- 2	3 RB	1	1	303
DD Destroyer		4	5	0	0	0	0	0
5x5" Mk 12 Single (L/38) DP^ — UT1: B(x2).CB.S(x2)		4	3	4	2	1	—	—
10x21" Mk 15 (1935) — TT5: CB(x2)		7	3	+1	+0	+0	—	—

Benson Class consisted of DDs 421, 422, 425-8,  
Gleaves class consisted of DDs 423, 424, 429-444

SRAA: 4; DP: 4  
^VT AA ammunition can be used from 1943 (cost +20)  
• SRAA 5 by 1945 (cost +10)

<b>Clemson ("Flushdeckers" - 1918)</b>	1918	3	35	- 2	3 RB	1	1	128
DD Destroyer		3	5	0	0	0	0	0
4x4" Mks 7; 8; 9; 10 (L/51) — S1: B.PB.SB.S		1	3	4	2	1	—	—
12x21" Bliss-Leavitt Mk 8 (1911) — TT3: PB(x2).SB(x2)		4	3	+1	+1	+1	—	—

Very large class

SRAA: 1  
• This is the class as built

<b>Clemson ("Flushdeckers" - 1941)</b>	1918	3	35	- 2	3 RB	1	1	116
DD Destroyer		3	5	0	0	0	0	0
4x4" Mks 7; 8; 9; 10 (L/51) — S1: B.PB.SB.S		1	3	4	2	1	—	—
6x21" Bliss-Leavitt Mk 8 (1911) — TT3: PB(x2).SB(x2)		4	3	+1	+1	+1	—	—

Very large class

SRAA: 3  
• This is the state of the class in 1941 before conversion to other roles

<b>Farragut (1935)</b>	1932	3	37	- 2	3 RB	1	1	225
DD Destroyer		3	5	0	0	0	0	0
5x5" Mk 12 Single (L/38) DP^ — S1: B(x2); O1: CB.S(x2)		3	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: CB(x2)		7	3	+1	+0	+0	—	—

Farragut, Dewey, Hull, Macdonogh, Worden, Dale, Monaghan, Aylwin

DP: 4  
^VT AA ammunition can be used from 1943 (cost +20)

<b>Farragut (1942)</b>	1932	3	37	- 2	3 RB	1	1	236
DD Destroyer		3	5	0	0	0	0	0
4x5" Mk 12 Single (L/38) DP^ — S1: B(x2); O1: S(x2)		3	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: CB(x2)		7	3	+1	+0	+0	—	—

Farragut, Dewey, Hull, Macdonogh, Worden, Dale, Monaghan, Aylwin

SRAA: 3; DP: 3  
^VT AA ammunition can be used from 1943 (cost +15)

<b>Fletcher</b>	1942	6	38	- 2	3 RB	1	2	307
DD Destroyer		5	6	1	0	0	0	0
5x5" Mk 12 Single (L/38) DP^ — UT1: B(x2).CB.S(x2)		4	3	4	2	1	—	—
10x21" Mk 15 (1935) — TT5: CB(x2)		7	3	+1	+0	+0	—	—

Very large number in class

SRAA: 3; DP: 4  
^VT AA ammunition can be used from 1943 (cost +20)  
• SRAA 5 from 1943 (cost +20), 6 from October 1944 (cost +30)  
• Note Hull is armoured.

Class Name Type	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

USA

<b>Gridley (1937)</b>	1936	4	39	- 2	3 RB	1	1	283
DD Destroyer		4	5	0	0	0	0	0
2x5" Mk 12 Single (L/38) DP <sup>^</sup> — UT1: B(x2)		4	3	4	2	1	—	—
2x5" Mk 12 Single (L/38) DP <sup>^</sup> — O1: S(x2)		3	3	4	2	1	—	—
16x21" Mk 15 (1935) — TT4: PB(x2).SB(x2)		7	3	+1	+0	+0	—	—

Gridley, Craven, McCall, Maury

DP: 4

<sup>^</sup>VT AA ammunition can be used from 1943 (cost +20)

• SRAA 2 from 1942 (cost +20), 3 in 1943 (cost +30)

<b>Mahan (1937)</b>	1934	3	37	- 2	3 RB	1	1	241
DD Destroyer		3	5	0	0	0	0	0
5x5" Mk 12 Single (L/38) DP <sup>^</sup> — S1: B(x2); O1: CB.S(x2)		3	3	4	2	1	—	—
12x21" Mk 15 (1935) — TT4: PB.CB.SB		7	3	+1	+0	+0	—	—

Mahan, Cummings, Drayton, Lamson, Flusser, Reid, Case, Conyngham, Cassin, Shaw, Tucker, Downes, Cushing, Perkins, Smith, Preston, Dunlap, Fanning

DP: 4

<sup>^</sup>VT AA ammunition can be used from 1943 (cost +20)

<b>Mahan (1942)</b>	1934	3	37	- 2	3 RB	1	1	252
DD Destroyer		3	5	0	0	0	0	0
4x5" Mk 12 Single (L/38) DP <sup>^</sup> — S1: B(x2); O1: S(x2)		3	3	4	2	1	—	—
12x21" Mk 15 (1935) — TT4: PB.CB.SB		7	3	+1	+0	+0	—	—

Mahan, Cummings, Drayton, Lamson, Flusser, Reid, Case, Conyngham, Cassin, Shaw, Tucker, Downes, Cushing, Perkins, Smith, Preston, Dunlap, Fanning

SRAA: 3; DP: 3

<sup>^</sup>VT AA ammunition can be used from 1943 (cost +15)

<b>Porter (1935)</b>	1935	4	37	- 2	3 RB	1	1	243
DD Destroyer		4	6	0	0	0	0	0
8x5" Mk 12 Twin (L/38) DP — UT2: B(x2).S(x2)		3	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: CB(x2)		7	3	+1	+0	+0	—	—

Porter, Selfridge, McDougal, Winslow, Phelps, Clark, Moffett, Balch

SRAA: 3

• SRAA 4 in 1942 (cost +10)

<b>Porter (1944)</b>	1935	4	37	- 2	3 RB	1	1	242
DD Destroyer		4	6	0	0	0	0	0
6x5" Mk 12 Twin (L/38) DP — UT2: B(x2).S		3	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: CB(x2)		7	3	+1	+0	+0	—	—

Selfridge, McDougal, Winslow, Phelps, Clark, Moffett, Balch

SRAA: 5

<b>Porter (1945)</b>	1935	4	37	- 2	3 RB	1	1	208
DD Destroyer		4	6	0	0	0	0	0
4x5" Mk 12 Twin (L/38) DP <sup>^</sup> — UT2: B.S		4	3	4	2	1	—	—
1x5" Mk 12 Single (L/38) DP <sup>^</sup> — UT1: CB		4	3	4	2	1	—	—

Selfridge, Phelps

SRAA: 5; DP: 4

<sup>^</sup>VT AA ammunition can be used from 1943 (cost +20)

<b>Sims (1939)</b>	1938	4	35	- 2	3 RB	1	1	243
DD Destroyer		4	5	0	0	0	0	0
5x5" Mk 12 Single (L/38) DP <sup>^</sup> — UT1: B(x2).S; S1: CB.S		4	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: CB(x2)		7	3	+1	+0	+0	—	—

Sims, Hughes, Anderson, Hammann, Mustin, Russell, O'Brien, Walke, Morris, Roe, Wainwright, Buck

DP: 4

<sup>^</sup>VT AA ammunition can be used from 1943 (cost +20)

<i>Class Name</i>	<i>Date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Type</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

USA

<b>Sims (1941)</b>	1938	4	35	- 2	3 RB	1	1	261
DD Destroyer		4	5	0	0	0	0	0
4x5" Mk 12 Single (L/38) DP^ — UT1: B(x2).S; S1: S		4	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: CB(x2)		7	3	+1	+0	+0	—	—
Sims, Hughes, Anderson, Hammann, Mustin, Russell, O'Brien, Walke, Morris, Roe, Wainwright, Buck		SRAA: 3; DP: 4 ^VT AA ammunition can be used from 1943 (cost +20)						
<b>Somers (1939)</b>	1937	4	37	- 2	3 RB	1	2	332
DD Destroyer		4	6	0	0	0	0	0
8x5" Mk 12 Twin (L/38) DP^ — UT2: B(x2).S(x2)		3	3	4	2	1	—	—
12x21" Mk 15 (1935) — TT4: CB(x3)		7	3	+1	+0	+0	—	—
Somers, Warrington, Sampson, Davis, Jouett		SRAA: 3; DP: 5 ^VT AA ammunition can be used from 1943 (cost +25)						
<b>Somers (1943)</b>	1937	4	37	- 2	3 RB	1	2	282
DD Destroyer		4	6	0	0	0	0	0
6x5" Mk 12 Twin (L/38) DP^ — UT2: B(x2).S		3	3	4	2	1	—	—
8x21" Mk 15 (1935) — TT4: CB(x2)		7	3	+1	+0	+0	—	—
Somers, Warrington, Sampson, Davis, Jouett		SRAA: 5; DP: 4 ^VT AA ammunition can be used from 1943 (cost +20)						
<b>'WGT' type</b>	1943	4	23	- 2	3 RB	1	1	165
DDE Destroyer Escort		4	5	0	0	0	0	0
2x5" Mk 12 Single (L/38) DP^ — UT1: B.S		4	3	4	2	1	—	—
3x21" Mk 15 (1935) — TT3: CB		7	3	+1	+0	+0	—	—
Large number in class		SRAA: 4; DP: 3 ^VT AA ammunition can be used from 1943 (cost +15)						