

SUBMARINES (SS).

	Name and official number	Length over all	Ex-treme beam	Stand-ard dis-placement	Trial speed surface		Sub-merged dis-placement ¹	Fuel capacity	
					Normal condition diving trim	Emer-gency condition diving trim		Normal load	Emer-gency load
1	AMBERJACK.....SS522	<i>Ft. In.</i> 311 8	<i>Ft. In.</i> 27 3	<i>Tons</i> 1,570	<i>Knots</i> 20.25	<i>Knots</i> -----	<i>Tons</i> 2,415	<i>Gals.</i> 60,000	<i>Gals.</i> 113,000
2	ANGLER.....SS240	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
3	APOGON.....SS308	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
4	ARCHER-FISH.....SS311	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
5	ARGONAUT.....SS475	311 8	27 3	1,570	20.25	-----	2,415	60,000	113,000
6	ASPRO.....SS309	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
7	ATULE.....SS403	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
8	BALAO.....SS285	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
9	BANG.....SS385	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
10	BARB.....SS220	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
11	BARBERO.....SS317	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
12	BASHAW.....SS241	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
13	BATFISH.....SS310	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
14	BAYA.....SS318	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
15	BECCUNA.....SS319	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
16	BERGALL.....SS320	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
17	BESUGO.....SS321	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
18	BILLFISH.....SS286	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
19	BLACKFIN.....SS322	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
20	BLACKFISH.....SS221	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
21	BLENNY.....SS324	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000

¹ Estimated.
² Designed speed.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40 mm AA mounts	Number of tor-pedo tubes	
Dis-plac-ment	Mean draft	Dis-plac-ment	Mean draft						
<i>Tons</i> 1,845	<i>Ft. In.</i> 15 5	<i>Tons</i> 1,990	<i>Ft. In.</i> 16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS522... 1
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS240... 2
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS308... 3
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS311... 4
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS475... 5
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS309... 6
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS403... 7
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS285... 8
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS385... 9
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS220... 10
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS317... 11
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS241... 12
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS310... 13
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS318... 14
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS319... 15
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS320... 16
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS321... 17
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS286... 18
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS322... 19
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS221... 20
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS324... 21

¹ Approximate.
² Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
1	AMBERJACK.....SS522	Navy Yard, Boston, Mass..	3,030,000	July 19, 1940	June 17, 1943
2	ANGLER.....SS240	Electric Boat Co., Groton, Conn.	2,613,000	.....do.....	Sept. 9, 1940
3	APOGON.....SS308	Navy Yard, Portsmouth, N. H.	3,443,000	Mar. 27, 1934	Apr. 21, 1942
4	ARCHER-FISH.....SS311	.....do.....	3,443,000	.....do.....	.....do.....
5	ARGONAUT.....SS475	.....do.....	3,030,000	July 19, 1940	June 17, 1943
6	ASPRO.....SS309	.....do.....	3,443,000	Mar. 27, 1934	Apr. 21, 1942
7	ATULE.....SS403	.....do.....	3,310,000	May 13, 1942	June 8, 1942
8	BALAO.....SS285	.....do.....	3,443,000	Dec. 23, 1941	Dec. 15, 1941
9	BANG.....SS385	.....do.....	3,310,000	May 13, 1942	June 8, 1942
10	BARB.....SS220	Electric Boat Co., Groton, Conn.	2,795,000	Mar. 27, 1934	July 1, 1940
11	BARBERO.....SS317	.....do.....	3,297,000	May 13, 1942	June 6, 1942
12	BASHAW.....SS241	.....do.....	2,613,000	July 19, 1940	Sept. 9, 1940
13	BATFISH.....SS310	Navy Yard, Portsmouth, N. H.	3,443,000	Mar. 27, 1934	Apr. 21, 1942
14	BAYA.....SS318	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
15	BECUNA.....SS319	.....do.....	3,297,000	.....do.....	.....do.....
16	BERGALL.....SS320	.....do.....	3,297,000	.....do.....	.....do.....
17	BESUGO.....SS321	.....do.....	3,297,000	.....do.....	.....do.....
18	BILLFISH.....SS286	Navy Yard, Portsmouth, N. H.	3,443,000	Dec. 23, 1941	Dec. 15, 1941
19	BLACKFIN.....SS322	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
20	BLACKFISH.....SS221	.....do.....	2,795,000	Mar. 27, 1934	July 1, 1940
21	BLENNY.....SS324	.....do.....	3,297,000	May 13, 1942	June 6, 1942

SUBMARINES (SS).

	Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
	Feb. 8, 1944	Dec. 15, 1944	.....	.....	.....	AMBERJACK.....	1
	Nov. 9, 1942	July 4, 1943	Aug. 24, 1944	Oct. 1, 1943	Oct. 1, 1943	ANGLER.....	2
	Dec. 9, 1942	Mar. 10, 1943	.....	.....	July 16, 1943	APOGON.....	3
	Jan. 22, 1943	May 28, 1943	.....	.....	Sept. 4, 1943	ARCHER-FISH.....	4
	June 28, 1944	Oct. 1, 1944	.....	.....	Jan. 15, 1945	ARGONAUT.....	5
	Dec. 27, 1942	Apr. 7, 1943	.....	.....	July 31, 1943	ASPRO.....	6
	Dec. 2, 1943	Mar. 6, 1944	.....	.....	June 21, 1944	ATULE.....	7
	June 26, 1942	Oct. 27, 1942	.....	.....	Feb. 4, 1943	BALAO.....	8
	Apr. 30, 1943	Aug. 30, 1943	.....	.....	Dec. 4, 1943	BANG.....	9
	June 7, 1941	Apr. 2, 1942	Mar. 1, 1943	July 8, 1942	July 8, 1942	BARB.....	10
	Mar. 25, 1943	Dec. 12, 1943	Jan. 18, 1944	Apr. 29, 1944	Apr. 29, 1944	BARBERO.....	11
	Dec. 4, 1942	July 25, 1943	Sept. 24, 1944	Oct. 25, 1943	Oct. 25, 1943	BASHAW.....	12
	Dec. 27, 1942	May 5, 1943	.....	.....	Aug. 21, 1943	BATFISH.....	13
	Apr. 8, 1943	Jan. 2, 1944	Feb. 10, 1944	May 20, 1944	May 20, 1944	BAYA.....	14
	Apr. 29, 1943	Jan. 30, 1944	Feb. 22, 1944	May 27, 1944	May 27, 1944	BECUNA.....	15
	May 13, 1943	Feb. 16, 1944	Mar. 1, 1944	June 12, 1944	June 12, 1944	BERGALL.....	16
	May 27, 1943	Feb. 27, 1944	Mar. 17, 1944	June 19, 1944	June 19, 1944	BESUGO.....	17
	July 23, 1942	Nov. 12, 1942	.....	.....	Apr. 20, 1943	BILLFISH.....	18
	June 10, 1943	Mar. 12, 1944	Mar. 31, 1944	July 4, 1944	July 4, 1944	BLACKFIN.....	19
	July 1, 1941	Apr. 18, 1942	Apr. 16, 1943	July 22, 1942	July 22, 1942	BLACKFISH.....	20
	July 8, 1943	Apr. 9, 1944	Apr. 19, 1944	July 27, 1944	July 27, 1944	BLENNY.....	21

272

SHIPS' DATA, U. S. NAVAL VESSELS

SUBMARINES (SS).

Name and official number	Length over all	Ex-treme beam	Stand-ard dis-placement	Trial speed surface		Sub-merged dis-placement ²	Fuel capacity	
				Normal condition diving trim	Emer-gency condition diving trim		Normal load	Emer-gency load
22 BLOWER.....SS325	<i>Ft. In.</i> 311 9	<i>Ft. In.</i> 27 3	<i>Tons</i> 1,525	<i>Knots</i> ³ 20.25	<i>Knots</i> -----	<i>Tons</i> 2,415	<i>Gals.</i> 55,000	<i>Gals.</i> 118,000
23 BLUEFISH.....SS222	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
24 BLUEBACK.....SS326	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
25 BLUEGILL.....SS242	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
26 BOARFISH.....SS327	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
27 BONEFISH.....SS223	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
28 BOWFIN.....SS287	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
29 BREAM.....SS243	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
30 BRILL.....SS330	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
31 BUGARA.....SS331	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
32 BULLHEAD.....SS332	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
33 BUMPER.....SS333	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
34 BURRFISH.....SS312	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
35 CABEZON.....SS334	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
36 CABRILLA.....SS288	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
37 CACHALOT.....SS170	271 11	24 11	¹ 1,110	16.5	15.5	1,680	24,000	85,000
38 CAIMAN.....SS323	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
39 CAPITAINE.....SS336	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
40 CARBONERO.....SS337	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
41 CARP.....SS338	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
42 CATFISH.....SS339	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
43 CAVALLA.....SS244	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
44 CERO.....SS225	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
45 CHARR.....SS328	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000

¹ As built.
² Estimated.
³ Designed speed.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40 mm AA mounts	Number of tor-pedo tubes	
Dis-placement	Mean draft	Dis-placement	Mean draft						
<i>Tons</i> 1,810	<i>Ft. In.</i> 15 3	<i>Tons</i> 2,050	<i>Ft. In.</i> 16 10	10	71	1 5'' 25 cal. S. P.....	1 sgl. ² ---	10	SS325... 22
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl.-----	10	SS222... 23
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P.....	1 sgl. ² ---	10	SS326... 24
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl.-----	10	SS242... 25
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P.....	1 sgl. ² ---	10	SS327... 26
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS223... 27
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl.-----	10	SS287... 28
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS243... 29
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS330... 30
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS331... 31
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS332... 32
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS333... 33
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl.-----	10	SS312... 34
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS334... 35
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS288... 36
1,260	14 0	1,500	16 3	7	48	1 3'' 50 cal. D. P.....	-----	6	SS170... 37
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P.....	1 sgl. ² ---	10	SS323... 48
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS336... 39
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS337... 40
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS338... 41
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P. ²	1 sgl. ² ---	10	SS339... 42
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl.-----	10	SS244... 43
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal. S. P. ²	1 sgl.-----	10	SS225... 44
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal. S. P.....	1 sgl. ² ---	10	SS328... 45

¹ Approximate.
² Ultimate authorized armament.

CONFIDENTIAL

CONFIDENTIAL

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines			Main generators	
				Number	Manufacturer and model	Shaft horsepower	Number	Manufacturer
22	BLOWER.....SS325	2	DERD.....	4	G. M. 16-278A.	5,400	4	G. E.....
23	BLUEFISH.....SS222	2	do.....	4	G. M. 16-248..	5,400	4	do.....
24	BLUEBACK.....SS326	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
25	BLUEGILL.....SS242	2	do.....	4	G. M. 16-248..	5,400	4	do.....
26	BOARFISH.....SS327	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
27	BONEFISH.....SS223	2	do.....	4	G. M. 16-248..	5,400	4	do.....
28	BOWFIN.....SS287	2	do.....	4	G. M. 16-248..	5,400	4	do.....
29	BREAM.....SS243	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
30	BRILL.....SS330	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
31	BUGARA.....SS331	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
32	BULLHEAD.....SS332	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
33	BUMPER.....SS333	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
34	BURRFISH.....SS312	2	do.....	4	F. M. 38D8½.	5,400	4	Elliott.....
35	CABEZON.....SS334	2	do.....	4	G. M. 16-278A.	5,400	4	G. E.....
36	CABRILLA.....SS288	2	do.....	4	G. M. 16-248..	5,400	4	do.....
37	CACHALOT.....SS170	2	D. G. D.....	2	G. M. 16-258..	3,070		(1)
38	CAIMAN.....SS323	2	DERD.....	4	G. M. 16-278A.	5,400	4	G. E.....
39	CAPITAINE.....SS336	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
40	CARBONERO.....SS337	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
41	CARP.....SS338	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
42	CATFISH.....SS339	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
43	CAVALLA.....SS244	2	do.....	4	G. M. 16-278A.	5,400	4	do.....
44	CERO.....SS225	2	do.....	4	G. M. 16-248..	5,400	4	do.....
45	CHARR.....SS328	2	do.....	4	G. M. 16-278A.	5,400	4	do.....

¹ Same unit as main motor.

SUBMARINES (SS.)

Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹				
Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)	
4	G. E.....	Sgl.....	F.-B.....	2	126	Exide...	VLA-47B...	1	Kw. 300	260-345.	22
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	23
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	24
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	25
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	26
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	27
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	28
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	29
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	30
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	31
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	32
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	33
4	Elliott.....	do.....	Westgh...	2	126	Gould...	OWTX-49B	1	300	260-345.	34
4	G. E.....	do.....	F.-B.....	2	126	Exide...	VLA-47B...	1	300	260-345.	35
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	36
2	Westgh...	do.....	do.....	2	120	do.....	WLH-29B...	1	330	240-325.	37
4	G. E.....	do.....	do.....	2	126	do.....	VLA-47B...	1	300	260-345.	38
4	do.....	do.....	G. E.....	2	126	do.....	do.....	1	300	260-345.	39
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	40
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	41
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	42
4	do.....	do.....	F.-B.....	2	126	do.....	do.....	1	300	260-345.	43
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	44
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345.	45

¹ Driven by diesel engines.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
22	BLOWER.....SS325	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
23	BLUEBACK.....SS326	do.....	3,297,000	do.....	do.....
24	BLUEFISH.....SS222	do.....	2,613,000	July 19, 1940	Sept. 9, 1940
25	BLUEGILL.....SS242	do.....	2,613,000	do.....	do.....
26	BOARFISH.....SS327	do.....	3,297,000	May 13, 1942	June 6, 1942
27	BONEFISH.....SS223	do.....	2,613,000	July 19, 1940	Sept. 9, 1940
28	BOWFIN.....SS287	Navy Yard, Portsmouth, N. H.	3,443,000	Dec. 23, 1941	Dec. 15, 1941
29	BREAM.....SS243	Electric Boat Co., Groton, Conn.	2,613,000	July 19, 1940	Sept. 9, 1940
30	BRILL.....SS330	do.....	3,297,000	May 13, 1942	June 6, 1942
31	BUGARA.....SS331	do.....	3,297,000	do.....	do.....
32	BULLHEAD.....SS332	do.....	3,297,000	do.....	do.....
33	BUMPER.....SS333	do.....	3,297,000	do.....	do.....
34	BURRFISH.....SS312	Navy Yard, Portsmouth, N. H.	3,443,000	Mar. 27, 1934	Apr. 21, 1942
35	CABEZON.....SS334	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
36	CABRILLA.....SS288	Navy Yard, Portsmouth, N. H.	3,443,000	Dec. 23, 1941	Dec. 24, 1941
37	CACHALOT.....SS170	do.....	3,141,500	Mar. 2, 1929 ³	Feb. 21, 1931 ² (Mar. 16, 1931 ¹)
38	CAIMAN.....SS323	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
39	CAPITAINE.....SS336	do.....	3,297,000	do.....	do.....
40	CARBONERO.....SS337	do.....	3,297,000	do.....	do.....
41	CARP.....SS338	do.....	3,297,000	do.....	do.....
42	CATFISH.....SS339	do.....	3,297,000	do.....	do.....
43	CAVALLA.....SS244	do.....	2,613,000	July 19, 1940	Sept. 9, 1940
44	CERO.....SS225	do.....	2,613,000	do.....	do.....
45	CHARR.....SS328	do.....	3,297,000	May 13, 1942	June 6, 1942

¹ Beginning of construction period.² Date assigned to yard.³ Authorized, act of Aug. 29, 1916; naval appropriations act approved Mar. 2, 1929, contained funds for beginning construction.

SUBMARINES (SS).

Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
July 15, 1943	Apr. 23, 1944	May 1, 1944	Aug. 10, 1944	Aug. 10, 1944	BLOWER.....	22
July 29, 1943	May 7, 1944	May 7, 1944	Aug. 28, 1944	Aug. 28, 1944	BLUEBACK.....	23
June 5, 1942	Feb. 1, 1943	Feb. 24, 1944	May 24, 1943	May 24, 1943	BLUEFISH.....	24
Dec. 17, 1942	Aug. 8, 1943	Oct. 24, 1944	Nov. 10, 1943	Nov. 10, 1943	BLUEGILL.....	25
Aug. 12, 1943	May 21, 1944	May 15, 1944	Sept. 23, 1944	Sept. 23, 1944	BOARFISH.....	26
June 25, 1942	Mar. 7, 1943	Mar. 24, 1944	May 31, 1943	May 31, 1943	BONEFISH.....	27
July 23, 1942	Dec. 7, 1942	.....	.....	May 1, 1943	BOWFIN.....	28
Feb. 5, 1943	Oct. 17, 1943	Nov. 24, 1944	Jan. 24, 1944	Jan. 24, 1944	BREAM.....	29
Sept. 23, 1943	June 25, 1944	June 20, 1944	Oct. 26, 1944	Oct. 26, 1944	BRILL.....	30
Oct. 21, 1943	July 2, 1944	July 3, 1944	Nov. 15, 1944	Nov. 15, 1944	BUGARA.....	31
do.....	July 16, 1944	July 10, 1944	Dec. 4, 1944	Dec. 4, 1944	BULLHEAD.....	32
Nov. 4, 1943	Aug. 6, 1944	July 24, 1944	Dec. 9, 1944	Dec. 9, 1944	BUMPER.....	33
Feb. 24, 1943	June 18, 1943	.....	.....	Sept. 14, 1943	BURRFISH.....	34
Nov. 18, 1943	Aug. 27, 1944	Aug. 1, 1944	Dec. 30, 1944	Dec. 30, 1944	CABEZON.....	35
Aug. 18, 1942	Dec. 24, 1942	.....	.....	May 24, 1943	CABRILLA.....	36
Oct. 21, 1931	Oct. 19, 1933	.....	.....	Mar. 1, 1934	CACHALOT.....	37
June 24, 1943	Mar. 30, 1944	Apr. 9, 1944	July 17, 1944	July 17, 1944	CAIMAN.....	38
Dec. 2, 1943	Oct. 1, 1944	Aug. 21, 1944	Jan. 26, 1945	Jan. 26, 1945	CAPITAINE.....	39
Dec. 16, 1943	Oct. 15, 1944	Aug. 29, 1944	Feb. 7, 1945	Feb. 7, 1945	CARBONERO.....	40
Dec. 23, 1943	Nov. 12, 1944	Sept. 12, 1944	Feb. 28, 1945	Feb. 28, 1945	CARP.....	41
Jan. 6, 1944	Nov. 19, 1944	Sept. 21, 1944	Mar. 19, 1945	Mar. 19, 1945	CATFISH.....	42
Mar. 4, 1943	Nov. 14, 1943	Dec. 24, 1944	Feb. 29, 1944	Feb. 29, 1944	CAVALLA.....	43
Aug. 24, 1942	Apr. 4, 1943	May 24, 1943	July 4, 1943	July 4, 1943	CERO.....	44
Aug. 26, 1943	May 28, 1944	May 23, 1944	Sept. 23, 1944	Sept. 23, 1944	CHARR.....	45

SUBMARINES (SS).

	Name and official number	Length overall	Extreme beam	Standard displacement	Trial speed surface		Submerged displacement ²	Fuel capacity	
					Normal condition diving trim	Emergency condition diving trim		Normal load	Emergency load
46	CHIVO..... SS341	<i>Ft. In.</i> 311 9	<i>Ft. In.</i> 27 3	<i>Tons</i> 1,525	<i>Knots</i> 20.25	-----	<i>Tons</i> 2,415	<i>Gals.</i> 55,000	<i>Gals.</i> 118,000
47	CHOPPER..... SS342	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
48	CHUB..... SS329	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
49	CLAMAGORE..... SS343	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
50	COBIA..... SS245	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
51	COBBLER..... SS344	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
52	COCHINO..... SS345	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
53	COD..... SS224	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
54	CONGER..... SS477	311 8	27 3	1,570	20.25	-----	2,415	60,000	113,000
55	CORPORAL..... SS346	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
56	CORSAIR..... SS435	311 9	27 3	1,570	20.25	-----	2,415	60,000	113,000
57	CREVALLE..... SS291	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
58	CROAKER..... SS246	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
59	CUBERA..... SS347	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
60	CUSK..... SS348	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
61	CUTLASS..... SS478	311 8	27 3	1,570	20.25	-----	2,415	60,000	113,000
62	CUTTLEFISH..... SS171	271 11	24 11	¹ 1,120	17.1	16.0	1,680	24,000	85,000
63	DACE..... SS247	311 9	27 3	1,525	20.25	-----	2,415	54,000	116,000
64	DENTUDA..... SS335	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
65	DEVILFISH..... SS292	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000
66	DIABLO..... SS479	311 8	27 3	1,570	20.25	-----	2,415	60,000	113,000
67	DIODON..... SS349	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
68	DOGFISH..... SS350	311 9	27 3	1,525	20.25	-----	2,415	55,000	118,000
69	DOLPHIN..... SS169	319 3	27 11	1,540	17.5	16.7	2,240	26,000	102,000
70	DRAGONET..... SS293	311 8	27 3	1,525	20.25	-----	2,415	54,000	116,000

- ¹ As built.
² Estimated.
³ Designed speed.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Officers	En-listed	Main	40 mm AA mounts	Number of torpedo tubes	
Displacement	Mean draft	Displacement	Mean draft						
<i>Tons</i> 1,810	<i>Ft. In.</i> 15 3	<i>Tons</i> 2,050	<i>Ft. In.</i> 16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS341... 46
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS342... 47
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS329... 48
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS343... 49
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS245... 50
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS344... 51
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS345... 52
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS224... 53
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS477... 54
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS346... 55
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS435... 56
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS291... 57
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS246... 58
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS347... 59
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS348... 60
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS478... 61
1,260	14 0	1,500	16 3	7	48	1 3" 50 cal. D. P.	-----	6	SS171... 62
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS247... 63
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS335... 64
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS292... 65
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS479... 66
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS349... 67
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS350... 68
1,720	14 2	2,010	16 6	7	70	1 3" 50 cal. D. P.	-----	6	SS169... 69
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal. S. P. ²	1 Sg1 ²	10	SS293... 70

- ¹ Approximate.
² Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines		Shaft horsepower	Main generators	
				Number	Manufacturer and model		Number	Manufacturer
46	CHIVO.....SS341	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
47	CHOPPER.....SS342	2	DERD.....	4	G. M. 16-278A	5,400	4	do.....
48	CHUB.....SS329	2	DERD.....	4	G. M. 16-278A	5,400	4	do.....
49	CLAMAGORE.....SS343	2	DEDD.....	4	G. M. 16-278A	5,400	4	do.....
50	COBIA.....SS245	2	DERD.....	4	G. M. 16-278A	5,400	4	do.....
51	COBBLER.....SS344	2	DEDD.....	4	G. M. 16-278A	5,400	4	do.....
52	COCHINO.....SS345	2	DEDD.....	4	G. M. 16-278A	5,400	4	do.....
53	COD.....SS224	2	DERD.....	4	G. M. 16-248	5,400	4	do.....
54	CONGER.....SS477	2	DEDD.....	4	F-M 38D8½	5,400	4	Elliott.....
55	CORPORAL.....SS346	2	DEDD.....	4	G. M. 16-278A	5,400	4	G. E.....
56	CORSAIR.....SS435	2	DEDD.....	4	G. M. 16-278A	5,400	4	do.....
57	CREVALLE.....SS291	2	DERD.....	4	G. M. 16-248	5,400	4	do.....
58	CROAKER.....SS246	2	DERD.....	4	G. M. 16-278A	5,400	4	do.....
59	CUBERA.....SS347	2	DEDD.....	4	G. M. 16-278A	5,400	4	do.....
60	CUSK.....SS348	2	DEDD.....	4	G. M. 16-278A	5,400	4	do.....
61	CUTLASS.....SS478	2	DEDD.....	4	F-M 38D8½	5,400	4	Elliott.....
62	CUTTLEFISH.....SS171	2	DGD.....	2	G. M. 16-258	3,070		(1)
63	DACE.....SS247	2	DERD.....	4	G. M. 16-248	5,400	4	G. E.....
64	DENTUDA.....SS335	2	DERD.....	4	G. M. 16-278A	5,400	4	do.....
65	DEVILFISH.....SS292	2	DERD.....	4	F-M 38D8½	5,400	4	do.....
66	DIABLO.....SS479	2	DEDD.....	4	F-M 38D8½	5,400	4	Elliott.....
67	DIODON.....SS349	2	DEDD.....	4	G. M. 16-278A	5,400	4	G. E.....
68	DOGFISH.....SS350	2	DEDD.....	4	G. M. 16-278A	5,400	4	do.....
69	DOLPHIN.....SS169	2	DDD.....	2	M. A. N.....	3,500		(1)
70	DRAGONET.....SS293	2	DERD.....		F-M 38D8½	5,400	4	G. E.....

¹ Same unit as main motor.

SUBMARINES (SS).

Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹				
Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)	
4	G. E.....	Sgl.....	G. E.....	2	126	Exide...	VLA 47B...	1	Kw. 300	260-345	46
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	47
4	do.....	do.....	F. B.....	2	126	do.....	do.....	1	300	260-345	48
2	do.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	49
4	do.....	Sgl.....	F. B.....	2	126	do.....	do.....	1	300	260-345	50
2	do.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	51
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	52
4	do.....	Sgl.....	F. B.....	2	126	do.....	do.....	1	300	260-345	53
2	Elliott.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	54
2	G. E.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	55
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	56
4	do.....	Sgl.....	F. B.....	2	126	do.....	do.....	1	300	260-345	57
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	58
2	do.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	59
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	60
2	Elliott.....	do.....	do.....	2	126	Gould...	OWTX 49B.	1	300	260-345	61
2	E. D.....	Sgl.....	F. B.....	2	120	Exide...	WLH 29B...	1	330	240-325	62
4	G. E.....	do.....	do.....	2	126	do.....	VLA 47B...	1	300	260-345	63
4	do.....	do.....	G. E.....	2	126	do.....	do.....	1	300	260-345	64
4	Elliott.....	do.....	Westgh...	2	126	Gould...	OWTX 49B.	1	300	260-345	65
2	do.....	do.....	None.....	2	126	Exide...	VLA 47B...	1	300	260-345	66
2	G. E.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	67
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	68
2	E. D.....	do.....	do.....	2	120	Gould...	WLTX 35B.	2	300	240-325	69
4	Elliott.....	Sgl.....	Westgh...	2	126	do.....	OWTX 49B.	1	300	260-345	70

¹ Driven by Diesel engines.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
46	CHIVO.....SS341	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
47	CHOPPER.....SS342	do.....	3,297,000	do.....	do.....
48	CHUB.....SS329	do.....	3,297,000	do.....	do.....
49	CLAMAGORE.....SS343	do.....	3,297,000	do.....	do.....
50	COBIA.....SS245	do.....	2,613,000	July 19, 1940	Sept. 9, 1940
51	COBBLER.....SS344	do.....	3,297,000	May 13, 1942	June 6, 1942
52	COCHINO.....SS345	do.....	3,297,000	do.....	do.....
53	COD.....SS224	do.....	2,613,000	July 19, 1940	Sept. 9, 1940
54	CONGER.....SS477	Navy Yard, Portsmouth, N. H.	3,030,000	do.....	June 17, 1943
55	CORPORAL.....SS346	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
56	CORSAIR.....SS435	do.....	3,297,000	July 19, 1940	Oct. 23, 1944 ⁵
57	CREVALLE.....SS291	Navy Yard, Portsmouth, N. H.	3,443,000	Dec. 23, 1941	Dec. 24, 1941
58	CROAKER.....SS246	Electric Boat Co., Groton, Conn.	2,613,000	July 19, 1940	Sept. 9, 1940
59	CUBERA.....SS347	do.....	3,297,000	May 13, 1942	June 6, 1942
60	CUSK.....SS348	do.....	3,297,000	do.....	do.....
61	CUTLASS.....SS478	Navy Yard, Portsmouth, N. H.	3,030,000	July 19, 1940	June 17, 1943
62	CUTTLEFISH.....SS171	Electric Boat Co., Groton, Conn.	3,456,300	Mar. 2, 1929 ¹	June 29, 1931
63	DACE.....SS247	do.....	2,613,000	July 19, 1940	Sept. 9, 1940
64	DENTUDA.....SS335	do.....	3,297,000	May 13, 1942	June 6, 1942
65	DEVILFISH.....SS292	Cramp S. B. Co., Philadelphia, Pa.	4,600,000	Dec. 23, 1941	Dec. 24, 1941
66	DIABLO.....SS479	Navy Yard, Portsmouth, N. H.	3,030,000	July 19, 1940	June 17, 1943
67	DIODON.....SS349	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
68	DOGFISH.....SS350	do.....	3,297,000	do.....	do.....
69	DOLPHIN.....SS169	Navy Yard, Portsmouth, N. H.	4,112,300	Mar. 2, 1929 ¹	{Dec. 11, 1929 ² Feb. 1, 1930 ³ }
70	DRAGONET.....SS293	Cramp S. B. Co., Philadelphia, Pa.	4,600,000	Dec. 23, 1941	Dec. 24, 1941

¹ Authorized, act of Aug. 29, 1916, naval appropriation act approved Mar. 2, 1929, contained funds for beginning construction.

² Date assigned to yard.

³ Beginning of construction period.

⁴ Cost plus fixed fee (see "Notes and Definitions").

⁵ Date contract was amended to build SS435-437 inclusive in lieu of SS353-355 inclusive.

SUBMARINES (SS).

Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
Feb. 21, 1944	Jan. 14, 1945	Oct. 15, 1944	-----	Apr. 28, 1945	CHIVO.....	46
Mar. 2, 1944	Feb. 4, 1945	Oct. 22, 1944	-----	-----	CHOPPER.....	47
Sept. 16, 1943	June 18, 1944	June 13, 1944	Oct. 21, 1944	Oct. 21, 1944	CHUB.....	48
Mar. 16, 1944	Feb. 25, 1945	Oct. 31, 1944	-----	-----	CLAMAGORE.....	49
Mar. 17, 1943	Nov. 28, 1943	Jan. 24, 1945	Mar. 29, 1944	Mar. 29, 1944	COBIA.....	50
Apr. 3, 1944	Apr. 1, 1945	Nov. 13, 1944	-----	-----	COBBLER.....	51
Apr. 13, 1944	Apr. 20, 1945	Nov. 25, 1944	-----	-----	COCHINO.....	52
July 21, 1942	Mar. 21, 1943	Apr. 24, 1944	June 20, 1943	June 21, 1943	COD.....	53
July 11, 1944	Oct. 17, 1944	-----	-----	Feb. 14, 1945	CONGER.....	54
Apr. 27, 1944	-----	Dec. 4, 1944	-----	-----	CORPORAL.....	55
Mar. 1, 1945	-----	-----	-----	-----	CORSAIR.....	56
Nov. 14, 1942	Feb. 22, 1943	-----	-----	June 24, 1943	CREVALLE.....	57
Apr. 1, 1943	Dec. 19, 1943	Feb. 24, 1945	Apr. 21, 1944	Apr. 21, 1944	CROAKER.....	8
May 11, 1944	-----	Dec. 11, 1944	-----	-----	CUBERA.....	59
May 25, 1944	-----	Dec. 19, 1944	-----	-----	CUSK.....	60
July 22, 1944	Nov. 5, 1944	-----	-----	Mar. 17, 1945	CUTLASS.....	61
Oct. 7, 1931	Nov. 21, 1933	Dec. 29, 1933	June 8, 1934	June 8, 1934	CUTTLEFISH.....	62
July 22, 1942	Apr. 25, 1943	Feb. 9, 1944	July 23, 1943	July 23, 1943	DACE.....	63
Nov. 18, 1943	Sept. 10, 1944	Aug. 9, 1944	Dec. 30, 1944	Dec. 30, 1944	DENTUDA.....	64
Mar. 31, 1942	May 30, 1943	Nov. 1, 1943	Sept. 1, 1944	Sept. 1, 1944	DEVILFISH.....	65
Aug. 11, 1944	Dec. 1, 1944	-----	-----	Mar. 31, 1945	DIABLO.....	66
June 1, 1944	-----	Dec. 28, 1944	-----	-----	DIODON.....	67
June 22, 1944	-----	Jan. 10, 1945	-----	-----	DOGFISH.....	68
June 14, 1930	Mar. 8, 1932	-----	-----	Aug. 1, 1932	DOLPHIN.....	69
Apr. 28, 1942	Apr. 18, 1943	Dec. 31, 1943	Mar. 6, 1944	Mar. 6, 1944	DRAGONET.....	70

SUBMARINES (SS).

Name and official number	Length over all	Extreme beam	Standard displacement	Trial speed surface		Submerged displacement ²	Fuel capacity	
				Normal condition diving trim	Emergency condition diving trim		Normal load	Emergency load
71 DRUM.....SS228	<i>Ft. In.</i> 311 8	<i>Ft. In.</i> 27 3	<i>Tons</i> 1,525	<i>Knots</i> ³ 20.25	<i>Knots</i> -----	<i>Tons</i> 2,415	<i>Gals.</i> 54,000	<i>Gals.</i> 116,000
72 ENTEMEDOR.....SS340	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
73 FINBACK.....SS230	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
74 FLASHER.....SS249	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
75 FLOUNDER.....SS251	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
76 FLYING FISH.....SS229	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
77 GABILAN.....SS252	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
78 GAR.....SS206	307 3	27 3	¹ 1,475	21.1	-----	2,370	54,000	113,000
79 GATO.....SS212	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
80 GRAMPUS.....SS523	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000
81 GRAYLING.....SS492	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000
82 GREENFISH.....SS351	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000
83 GREENLING.....SS213	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
84 GRENADIER.....SS525	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000
85 GROUPE.....SS214	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
86 GUARDFISH.....SS217	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
87 GUAVINA.....SS362	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
88 GUITARRO.....SS363	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
89 GUNNEL.....SS253	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
90 GURNARD.....SS254	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
91 HACKLEBACK.....SS295	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
92 HADDO.....SS255	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
93 HADDOCK.....SS231	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
94 HAKE.....SS256	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000

¹ As built.² Estimated.³ Designed speed.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Officers	En-listed	Main	40 mm AA mounts	Number of torpedo tubes	
Displacement	Mean draft	Displacement	Mean draft						
<i>Tons</i> 1,810	<i>Ft. In.</i> 15 3	<i>Tons</i> 2,050	<i>Ft. In.</i> 16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10		SS228... 71
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS340... 72
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS230... 73
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS249... 74
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal. S. P. ²	1 sgl. ²	10	SS251... 75
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS229... 76
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS252... 77
1,770	15 2	1,990	16 9	10	69	1 5" 25 cal., S. P.	1 sgl.	10	SS206... 78
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl.	10	SS212... 79
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal. S. P. ²	1 sgl. ²	10	SS523... 80
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS492... 81
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS351... 82
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl.	10	SS213... 83
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS525... 84
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl.	10	SS214... 85
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P.	1 sgl.	10	SS217... 86
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS362... 87
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl.	10	SS363... 88
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS253... 89
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P.	1 sgl.	10	SS254... 90
1,810	15 3	2,050	16 10	10	71	1 5" 25 cal., S. P.	1 sgl. ²	10	SS295... 91
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS255... 92
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS231... 93
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal., S. P. ²	1 sgl. ²	10	SS256... 94

¹ Approximate.² Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines		Shaft horsepower	Main generators	
				Number	Manufacturer and model		Number	Manufacturer
71	DRUM.....SS228	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott.....
72	ENTEMEDOR.....SS340	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
73	FINBACK.....SS230	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott.....
74	FLASHER.....SS249	2	DERD.....	4	G. M. 16-248..	5,400	4	G. E.....
75	FLOUNDER.....SS251	2	DERD.....	4	G. M. 16-278A..	5,400	4	do.....
76	FLYING FISH.....SS229	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott.....
77	GABILAN.....SS252	2	DERD.....	4	G. M. 16-278A..	5,400	4	G. E.....
78	GAR.....SS206	2	DERD.....	4	G. M. 16-248..	5,400	4	do.....
79	GATO.....SS212	2	DERD.....	4	G. M. 16-248..	5,400	4	do.....
80	GRAMPUS.....SS523	2	DEDD.....	4	F. M. 38D8½	5,400	4	Westgh.....
81	GRAYLING.....SS492	2	DEDD.....	4	F. M. 38D8½	5,400	4	Elliott.....
82	GREENFISH.....SS351	2	DEDD.....	4	G. M. 16-278A..	5,400	4	G. E.....
83	GREENLING.....SS213	2	DERD.....	4	G. M. 16-248..	5,400	4	do.....
84	GRENADIER.....SS525	2	DEDD.....	4	F. M. 38D8½	5,400	4	Westgh.....
85	GROUPE.....SS214	2	DERD.....	4	G. M. 16-248..	5,400	4	G. E.....
86	GUARDFISH.....SS217	2	DERD.....	4	G. M. 16-248..	5,400	4	do.....
87	GUAVINA.....SS362	2	DERD.....	4	G. M. 16-278A..	5,400	4	do.....
88	GUITARRO.....SS363	2	DERD.....	4	G. M. 16-278A..	5,400	4	do.....
89	GUNNEL.....SS253	2	DERD.....	4	G. M. 16-278A..	5,400	4	do.....
90	GURNARD.....SS254	2	DERD.....	4	G. M. 16-278A..	5,400	4	do.....
91	HACKLEBACK.....SS295	2	DERD.....	4	F. M. 38D8½	5,400	4	do.....
92	HADDO.....SS255	2	DERD.....	4	G. M. 16-278A..	5,400	4	do.....
93	HADDOCK.....SS231	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott.....
94	HAKE.....SS256	2	DERD.....	4	G. M. 16-278A..	5,400	4	G. E.....

SUBMARINES (SS).

Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹				
Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)	
4	Elliott.....	Sgl.....	Westgh.....	2	126	Exide...	VLA 47B...	1	Kw. 100	260-345	71
4	G. E.....	do.....	G. E.....	2	126	do.....	do.....		1	300	260-345	72
4	Elliott.....	do.....	Westgh.....	2	126	do.....	do.....	1	300	260-345	73
4	G. E.....	do.....	F. B.....	2	126	do.....	do.....	1	300	260-345	74
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	75
4	Elliott.....	do.....	Westgh.....	2	126	do.....	do.....	1	300	260-345	76
4	G. E.....	do.....	F. B.....	2	126	do.....	do.....	1	300	260-345	77
4	do.....	do.....	G. E.....	2	126	do.....	do.....	1	300	260-345	78
4	do.....	do.....	F. B.....	2	126	do.....	do.....	1	300	260-345	79
2	Westgh.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	80
2	Elliott.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	81
2	G. E.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	82
4	do.....	Sgl.....	F. B.....	2	126	do.....	do.....	1	300	260-345	83
2	Westgh.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	84
4	G. E.....	Sgl.....	F. B.....	2	126	do.....	do.....	1	300	260-345	85
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	86
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	87
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	88
4	G. E.....	do.....	G. E.....	2	126	do.....	do.....	1	300	260-345	89
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	90
4	Elliott.....	do.....	Westgh.....	2	126	Gould...	OWTX 49B	1	300	260-345	91
4	G. E.....	do.....	G. E.....	2	126	Exide...	VLA 47B...	1	300	260-345	92
4	Elliott.....	do.....	Westgh.....	2	126	do.....	do.....	1	300	260-345	93
4	G. E.....	do.....	G. E.....	2	126	do.....	do.....	1	300	260-345	94

¹ Driven by diesel engines.

SUBMARINES (SS).

Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
71 DRUM.....SS228	Navy Yard, Portsmouth, N. H.	3, 440, 000	Mar. 27, 1934	June 12, 1940
72 ENTEMEDOR.....SS340	Electric Boat Co., Groton, Conn.	3, 297, 000	May 13, 1942	June 6, 1942
73 FINBACK.....SS230	Navy Yard, Portsmouth, N. H.	3, 440, 000	Mar. 27, 1934	June 12, 1940
74 FLASHER.....SS249	Electric Boat Co., Groton, Conn.	2, 613, 000	July 19, 1940	Sept. 9, 1940
75 FLOUNDER.....SS251	do.....	2, 613, 000	do.....	do.....
76 FLYING FISH.....SS229	Navy Yard, Portsmouth, N. H.	3, 440, 000	Mar. 27, 1934	June 12, 1940
77 GABILAN.....SS252	Electric Boat Co., Groton, Conn.	2, 613, 000	July 19, 1940	Sept. 9, 1940
78 GAR.....SS206	do.....	2, 937, 000	May 17, 1938	June 15, 1939
79 GATO.....SS212	do.....	2, 957, 000	do.....	June 12, 1940
80 GRAMPUS.....SS523	Navy Yard, Boston, Mass..	3, 030, 000	July 19, 1940	June 17, 1943
81 GRAYLING.....SS492	Navy Yard, Portsmouth, N. H.	3, 030, 000	do.....	do.....
82 GREENFISH.....SS351	Electric Boat Co., Groton, Conn.	3, 297, 000	May 13, 1942	June 6, 1942
83 GREENLING.....SS213	do.....	2, 957, 000	May 17, 1938	June 12, 1940
84 GRENADIER.....SS525	Navy Yard, Boston, Mass..	3, 030, 000	July 19, 1940	June 17, 1943
85 GROUPER.....SS214	Electric Boat Co., Groton, Conn.	2, 957, 000	Mar. 27, 1934	June 12, 1940
86 GUARDFISH.....SS217	do.....	2, 795, 000	do.....	July 1, 1940
87 GUAVINA.....SS362	Manitowoc S. B. Co., Manitowoc, Wis.	13, 114, 000	May 13, 1942	June 6, 1942
88 GUITARRO.....SS363	do.....	13, 114, 000	do.....	do.....
89 GUNNEL.....SS253	Electric Boat Co., Groton, Conn.	2, 795, 000	July 19, 1940	July 1, 1940
90 GURNARD.....SS254	do.....	2, 795, 000	June 14, 1940	do.....
91 HACKLEBACK.....SS295	Cramp S. B. Co., Philadelphia, Pa.	14, 600, 000	Dec. 23, 1941	Dec. 24, 1941
92 HADDO.....SS255	Electric Boat Co., Groton, Conn.	2, 795, 000	June 14, 1940	July 1, 1940
93 HADDOCK.....SS231	Navy Yard, Portsmouth, N. H.	3, 440, 000	do.....	June 28, 1940
94 HAKE.....SS256	Electric Boat Co., Groton, Conn.	2, 795, 000	do.....	July 1, 1940

1 Cost plus fixed fee (see "Notes and Definitions").

SUBMARINES (SS).

Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name
Sept. 11, 1940	May 12, 1941	-----	-----	Nov. 1, 1941	DRUM..... 71
Feb. 3, 1944	Dec. 17, 1944	Oct. 2, 1944	Apr. 5, 1945	Apr. 6, 1945	ENTEMEDOR..... 72
Feb. 5, 1941	Aug. 25, 1941	-----	-----	Jan. 31, 1942	FINBACK..... 73
Sept. 30, 1942	June 20, 1943	Apr. 9, 1944	Sept. 25, 1943	Sept. 25, 1943	FLASHER..... 74
Dec. 5, 1942	Aug. 22, 1943	June 9, 1944	Nov. 28, 1943	Nov. 29, 1943	FLOUNDER..... 75
Dec. 6, 1940	July 9, 1941	-----	-----	Dec. 10, 1941	FLYING FISH..... 76
Jan. 5, 1943	Sept. 19, 1943	July 9, 1944	Dec. 28, 1943	Dec. 28, 1943	GABILAN..... 77
Dec. 27, 1939	Nov. 7, 1940	July 15, 1941	Apr. 14, 1941	Apr. 14, 1941	GAR..... 78
Oct. 5, 1940	Aug. 21, 1941	Feb. 12, 1942	-----	Dec. 31, 1941	GATO..... 79
Feb. 8, 1944	Dec. 15, 1944	-----	-----	-----	GRAMPUS..... 80
-----	-----	-----	-----	-----	GRAYLING..... 81
June 29, 1944	-----	Jan. 20, 1945	-----	-----	GREENFISH..... 82
Nov. 12, 1940	Sept. 20, 1941	Mar. 27, 1942	-----	Jan. 21, 1942	GREENLING..... 83
Feb. 8, 1944	Dec. 15, 1944	-----	-----	-----	GRENADIER..... 84
Dec. 28, 1940	Oct. 27, 1941	May 12, 1941	-----	Feb. 12, 1942	GROUPER..... 85
Apr. 1, 1941	Jan. 20, 1942	Oct. 16, 1942	-----	May 8, 1942	GUARDFISH..... 86
Mar. 3, 1943	Aug. 29, 1943	Feb. 1, 1944	Dec. 23, 1943	Dec. 23, 1943	GUAVINA..... 87
Apr. 7, 1943	Sept. 26, 1943	Mar. 2, 1944	Jan. 26, 1944	Jan. 26, 1944	GUITARRO..... 88
July 21, 1941	May 17, 1942	June 1, 1943	Aug. 20, 1942	Aug. 20, 1942	GUNNEL..... 89
Sept. 2, 1941	June 1, 1942	July 16, 1943	Sept. 18, 1942	Sept. 18, 1942	GURNARD..... 90
Aug. 15, 1942	May 30, 1943	May 1, 1944	Nov. 7, 1944	Nov. 7, 1944	HACKLEBACK..... 91
Oct. 1, 1941	June 21, 1942	Sept. 1, 1943	Oct. 9, 1942	Oct. 9, 1942	HADDO..... 92
Mar. 31, 1941	Oct. 20, 1941	-----	-----	Mar. 14, 1942	HADDOCK..... 93
Nov. 1, 1941	July 17, 1942	Oct. 16, 1943	Oct. 30, 1942	Oct. 30, 1942	HAKE..... 94

SUBMARINES (SS).

Name and official number	Length over-all	Ex-treme beam	Stand-ard dis-placement	Trial speed surface		Sub-merged dis-placement ²	Fuel capacity	
				Normal condition diving trim	Emer-gency condition diving trim		Normal load	Emer-gency load
	<i>Ft. In.</i>	<i>Ft. In.</i>	<i>Tons</i>	<i>Knots</i>	<i>Knots</i>	<i>Tons</i>	<i>Gals.</i>	<i>Gals.</i>
95 HALFBEAK.....SS352	311 9	27 3	1,525	20.25		2,415	55,000	118,000
96 HALIBUT.....SS232	311 8	27 3	1,525	20.25		2,415	54,000	116,000
97 HAMMERHEAD.....SS364	311 9	27 3	1,525	20.25		2,415	54,000	116,000
98 HARDHEAD.....SS365	311 9	27 3	1,525	20.25		2,415	55,000	118,000
99 HAWKBILL.....SS366	311 9	27 3	1,525	20.25		2,415	55,000	118,000
100 HOE.....SS258	311 9	27 3	1,525	20.25		2,415	54,000	116,000
101 ICEFISH.....SS367	311 9	27 3	1,525	20.25		2,415	55,000	118,000
102 IREX.....SS482	311 8	27 3	1,570	20.25		2,415	60,000	113,000
103 JACK.....SS259	311 9	27 3	1,525	20.25		2,415	54,000	116,000
104 JALLAO.....SS368	311 9	27 3	1,525	20.25		2,415	55,000	118,000
105 KETE.....SS369	311 9	27 3	1,525	20.25		2,415	55,000	118,000
106 KINGFISH.....SS234	311 8	27 3	1,525	20.25		2,415	54,000	116,000
107 KRAKEN.....SS370	311 9	27 3	1,525	20.25		2,415	55,000	118,000
108 LAGARTO.....SS371	311 9	27 3	1,525	20.25		2,415	55,000	118,000
109 LAMPREY.....SS372	311 9	27 3	1,525	20.25		2,415	55,000	118,000
110 LANCETFISH.....SS296	311 8	27 3	1,525	20.25		2,415	54,000	116,000
111 LAPON.....SS260	311 9	27 3	1,525	20.25		2,415	54,000	116,000
112 LING.....SS297	311 8	27 3	1,525	20.25		2,415	54,000	116,000
113 LIONFISH.....SS298	311 8	27 3	1,525	20.25		2,415	54,000	116,000
114 LIZARDFISH.....SS373	311 9	27 3	1,525	20.25		2,415	55,000	118,000
115 LOGGERHEAD.....SS374	311 9	27 3	1,525	20.25		2,415	55,000	118,000
116 MACABI.....SS375	311 9	27 3	1,525	20.25		2,415	55,000	118,000
117 MACKEREL.....SS204	243 1	22 1	825	16.2	15.5	1,190	17,000	29,000
118 MANTA.....SS299	311 8	27 3	1,525	20.25		2,415	54,000	116,000
119 MAPIRO.....SS376	311 9	27 3	1,525	20.25		2,415	55,000	118,000

¹ As built.
² Estimated.
³ Designed speed.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40 mm AA mounts	Number of tor-pedo tubes	
Dis-placement	Mean draft	Dis-placement	Mean draft						
<i>Tons</i>	<i>Ft. In.</i>	<i>Tons</i>	<i>Ft. In.</i>						
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS352... 95
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.	10	SS232... 96
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.	10	SS364... 97
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS365... 98
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS366... 99
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.	10	SS258... 100
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS367... 101
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS482... 102
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS259... 103
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS368... 104
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS369... 105
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P.	1 sgl. ²	10	SS234... 106
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS370... 107
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS371... 108
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS372... 109
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS296... 110
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P.	1 sgl. ²	10	SS260... 111
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS297... 112
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS298... 113
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS373... 114
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS374... 115
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS375... 116
940	14 0	985	14 6	4	38	1 3", 50 cal. D. P.	1 sgl. ²	6	SS204... 117
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS299... 118
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS376... 119

¹ Approximate.
² Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines		Shaft horsepower	Main generators	
				Number	Manufacturer and model		Number	Manufacturer
95	HALFBEAK.....SS352	2	DEDD.....	4	G. M. 16-278A	5,400	4	G. E.....
96	HALIBUT.....SS232	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott.....
97	HAMMERHEAD...SS364	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
98	HARDHEAD.....SS365	2	DERD.....	4	G. M. 16-278A	5,400	4	...do.....
99	HAWKBILL.....SS366	2	DERB.....	4	G. M. 16-278A	5,400	4	...do.....
100	HOE.....SS258	2	DERD.....	4	G. M. 16-278A	5,400	4	A. C.....
101	ICEFISH.....SS367	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
102	IREX.....SS482	2	DEDD.....	4	F. M. 38D8½	5,400	4	Elliott.....
103	JACK.....SS259	2	DERD.....	4	G. M. 16-278A	5,400	4	A. C.....
104	JALLAO.....SS368	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
105	KETE.....SS309	2	DERD.....	4	G. M. 16-278A	5,400	4	...do.....
106	KINGFISH.....SS234	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott.....
107	KRAKEN.....SS370	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
108	LAGARTO.....SS371	2	DERD.....	4	G. M. 16-278A	5,400	4	...do.....
109	LAMPREY.....SS372	2	DERD.....	4	G. M. 16-278A	5,400	4	...do.....
110	LANCETFISH...SS296	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
111	LAPON.....SS260	2	DERD.....	4	G. M. 16-278A	5,400	4	A. C.....
112	LING.....SS297	2	DERD.....	4	F. M. 38D8½	5,400	4	G. E.....
113	LIONFISH.....SS298	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
114	LIZARDFISH...SS373	2	DERD.....	4	G. M. 16-278A	5,400	4	...do.....
115	LOGGERHEAD...SS374	2	DERD.....	4	G. M. 16-278A	5,400	4	...do.....
116	MACABI.....SS375	2	DERD.....	4	G. M. 16-278A	5,400	4	...do.....
117	MACKEREL.....SS204	2	DDD.....	2	E. B. Co.....	1,650		(1).....
118	MANTA.....SS299	2	DERD.....	4	F. M. 38D8½	5,400	4	G. E.....
119	MAPIRO.....SS376	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....

¹ Same unit as main motor.

SUBMARINES (SS).

	Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹			
	Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)
2	G. E.....	None.....			2	126	Exide...	VLA 47B...	1	Kw. 300	260-345
4	Elliott.....	Sgl.....	Westgh..		2	126	...do....	...do....	1	300	260-345
4	G. E.....	...do....	F. B.....		2	126	...do....	...do....	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	A. C.....	...do....	Falk.....		2	126	...do....	...do....	1	300	260-345
4	G. E.....	...do....	F. B.....		2	126	...do....	...do....	1	300	260-345
2	Elliott.....	None.....			2	126	Gould...	OWTX 49B.	1	300	260-345
4	A. C.....	Sgl.....	Falk.....		2	126	Exide...	VLA 47B...	1	300	260-345
4	G. E.....	...do....	F. B.....		2	126	...do....	...do....	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	Elliott.....	...do....	Westgh..		2	126	...do....	...do....	1	300	260-345
4	G. E.....	...do....	F. B.....		2	126	...do....	...do....	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	Elliott.....	...do....	Westgh..		2	126	Gould...	OWTX 49B.	1	300	260-345
4	A. C.....	...do....	Falk.....		2	126	Exide...	VLA 47B...	1	300	260-345
4	Elliott.....	...do....	Westgh..		2	126	Gould...	OWTX 49B.	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	G. E.....	...do....	F. B.....		2	126	Exide...	VLA 47B...	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
4	...do....	...do....	...do....		2	126	...do....	...do....	1	300	260-345
2	E. D.....	None.....			2	60	...do....	VLC 51B...	1	60	110-165
4	...do....	Sgl.....	Westgh..		2	126	...do....	...do....	1	300	260-345
4	G. E.....	...do....	F. B.....		2	126	...do....	VLA 47B...	1	300	260-345

¹ Driven by Diesel engines.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
95	HALFBEAK.....SS352	Electric Boat Co., Groton, Conn.	3,297,000	May 13, 1942	June 6, 1942
96	HALIBUT.....SS232	Navy Yard, Portsmouth, N. H.	3,440,000	June 14, 1940	June 28, 1940
97	HAMMERHEAD.....SS364	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,114,000	May 13, 1942	June 6, 1942
98	HARDHEAD.....SS365	do.....	³ 3,114,000	do.....	do.....
99	HAWKBILL.....SS366	do.....	³ 3,114,000	do.....	do.....
100	HOE.....SS258	Electric Boat Co., Groton, Conn.	2,795,000	June 14, 1940	July 1, 1940
101	ICEFISH.....SS367	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,114,000	May 13, 1942	June 6, 1942
102	IREX.....SS482	Navy Yard, Portsmouth, N. H.	3,030,000	July 19, 1940	June 17, 1943
103	JACK.....SS259	Electric Boat Co., Groton, Conn.	2,613,000	July 19, 1940	Sept. 9, 1940
104	JALLAO.....SS368	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,114,000	May 13, 1942	June 6, 1942
105	KETE.....SS369	do.....	³ 3,114,000	do.....	do.....
106	KINGFISH.....SS234	Navy Yard, Portsmouth, N. H.	3,440,000	June 14, 1940	June 26, 1940
107	KRAKEN.....SS370	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,114,000	May 13, 1942	June 6, 1942
108	LAGARTO.....SS371	do.....	³ 3,114,000	do.....	do.....
109	LAMPREY.....SS372	do.....	³ 3,114,000	do.....	do.....
110	LANCETFISH.....SS296	Cramp S. B. Co., Philadelphia, Pa. ¹	³ 3,440,000	Dec. 23, 1941	Dec. 24, 1941
111	LAPON.....SS260	Electric Boat Co., Groton, Conn.	2,613,000	July 19, 1940	Sept. 9, 1940
112	LING.....SS297	Cramp S. B. Co., Philadelphia, Pa. ¹	³ 3,440,000	Dec. 23, 1941	Dec. 24, 1941
113	LIONFISH.....SS298	do. ²	³ 3,440,000	do.....	do.....
114	LIZARDFISH.....SS373	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,114,000	May 13, 1942	June 6, 1942
115	LOGGERHEAD.....SS374	do.....	³ 3,114,000	do.....	do.....
116	MACABI.....SS375	do.....	³ 3,114,000	do.....	do.....
117	MACKEREL.....SS204	Electric Boat Co., Groton, Conn.	2,797,000	May 17, 1938	June 15, 1939
118	MANTA.....SS299	Cramp S. B. Co., Philadelphia, Pa. ²	³ 3,440,000	Dec. 23, 1941	Dec. 24, 1941
119	MAPIRO.....SS376	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,114,000	May 13, 1942	June 6, 1942

¹ Completed at Navy Yard, Boston.² Completed at Navy Yard, Portsmouth.³ Cost plus fixed fee (see "Notes and Definitions").

CONFIDENTIAL

SUBMARINES (SS).

	Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
	July 6, 1944		Feb. 6, 1945			HALFBEAK.....	95
	May 16, 1941	Dec. 3, 1941			Apr. 10, 1942	HALIBUT.....	86
	May 5, 1943	Oct. 24, 1943	Mar. 3, 1944	Mar. 1, 1944	Mar. 1, 1944	HAMMERHEAD.....	97
	July 7, 1943	Dec. 12, 1943	Apr. 29, 1944	Apr. 18, 1944	Apr. 18, 1944	HARDHEAD.....	98
	Aug. 7, 1943	Jan. 9, 1944	May 30, 1944	May 17, 1944	May 17, 1944	HAWKBILL.....	99
	Jan. 2, 1942	Sept. 17, 1942	Jan. 16, 1943	Dec. 16, 1942	Dec. 16, 1942	HOE.....	100
	Sept. 4, 1943	Feb. 20, 1944	July 5, 1944	June 10, 1944	June 10, 1944	ICEFISH.....	101
	Oct. 2, 1944	Jan. 26, 1945				IREX.....	102
	Feb. 2, 1942	Oct. 16, 1942	Aug. 24, 1943	Jan. 6, 1943	Jan. 6, 1943	JACK.....	103
	Sept. 29, 1943	Mar. 12, 1944	Aug. 5, 1944	July 8, 1944	July 8, 1944	JALLAO.....	104
	Oct. 25, 1943	Apr. 9, 1944	Sept. 21, 1944	July 31, 1944	July 31, 1944	KETE.....	105
	Aug. 29, 1941	Mar. 2, 1942			May 20, 1942	KINGFISH.....	106
	Dec. 14, 1943	Apr. 30, 1944	Nov. 2, 1944	Sept. 8, 1944	Sept. 8, 1944	KRAKEN.....	107
	Jan. 11, 1944	May 28, 1944	Dec. 6, 1944	Oct. 14, 1944	Oct. 14, 1944	LAGARTO.....	108
	Feb. 22, 1944	June 18, 1944	Jan. 10, 1945	Nov. 17, 1944	Nov. 17, 1944	LAMPREY.....	109
	Sept. 30, 1942	Aug. 15, 1943	June 15, 1944		Feb. 12, 1945	LANCETFISH.....	110
	Feb. 21, 1942	Oct. 27, 1942	Sept. 24, 1943	Jan. 23, 1943	Jan. 23, 1943	LAPON.....	111
	Nov. 2, 1942	Aug. 15, 1943	Aug. 1, 1944			LING.....	112
	Dec. 15, 1942	Nov. 7, 1943	Sept. 15, 1944		Nov. 1, 1944	LIONFISH.....	113
	Mar. 14, 1944	July 16, 1944	Feb. 8, 1945	Dec. 30, 1944	Dec. 30, 1944	LIZARDFISH.....	114
	Apr. 1, 1944	Aug. 13, 1944	Mar. 26, 1945	Feb. 9, 1945	Feb. 9, 1945	LOGGERHEAD.....	115
	May 1, 1944	Sept. 19, 1944	May 7, 1945	Mar. 29, 1945	Mar. 29, 1945	MACABI.....	116
	Oct. 6, 1939	Sept. 28, 1940	May 15, 1941	Mar. 31, 1941	Mar. 31, 1941	MACKEREL.....	117
	Jan. 15, 1943	Nov. 7, 1943	Nov. 1, 1944		Dec. 18, 1944	MANTA.....	117
	May 30, 1944	Nov. 9, 1944	June 11, 1945		Apr. 30, 1945	MAPIRO.....	119

CONFIDENTIAL

SUBMARINES (SS).

Name and official number	Length over all	Ex-treme beam	Stand-ard dis-placement	Trial speed surface			Sub-merged dis-placement ²	Fuel capacity	
				Normal condi-tion diving trim	Emer-gency condi-tion diving trim	Tons		Gals.	Gals.
120 MARLIN.....SS205	<i>Ft. In.</i> 238 11	<i>Ft. In.</i> 21 8	<i>Tons</i> 800	<i>Knots</i> 16.5	<i>Knots</i> 15.0	<i>Tons</i> 1,165	<i>Gals.</i> 18,000	<i>Gals.</i> 28,000	
121 MEDREGAL.....SS480	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000	
122 MENHADEN.....SS377	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000	
123 MERO.....SS378	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000	
124 MINGO.....SS261	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
125 MORAY.....SS300	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
126 MUSKALLUNGE.....SS262	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
127 NARWHAL ⁴.....SS167	370 7	33 4	¹ 2,730	² 17.0	-----	4,050	47,000	147,000	
128 NAUTILUS.....SS168	370 7	33 4	¹ 2,730	² 17.0	-----	4,050	47,000	147,000	
129 NEEDLEFISH.....SS493	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000	
130 ODAX.....SS484	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000	
131 PADDLE.....SS263	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
132 PAMPANITO.....SS383	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
133 PARCHE.....SS384	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
134 PARGO.....SS264	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
135 PERCH.....SS313	311 9	27 3	1,525	³ 20.25	-----	2,415	55,000	118,000	
136 PERMIT.....SS178	300 6	25 1	¹ 1,330	20.6	20.1	2,005	34,000	88,000	
137 PETO.....SS265	311 9	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
138 PICKEREL.....SS524	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000	
139 PICUDA.....SS382	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
140 PIKE.....SS173	301 0	24 11	¹ 1,310	19.5	17.7	1,960	26,000	90,000	
141 PILOTFISH.....SS386	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
142 PINTADO.....SS387	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
143 PIPEFISH.....SS388	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	
144 PIPER.....SS409	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000	

¹ As built.

² Estimated.

³ Designed speed.

⁴ Narwhal SS167 stricken May 19, 1945.

SUBMARINES (SS).

Surface condition diving trim				Total accommo-dations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40 mm AA mounts	Number of tor-pedo tubes	
Dis-placement	Mean draft	Dis-placement	Mean draft						
<i>Tons</i> 910	<i>Ft. In.</i> 13 0	<i>Tons</i> 950	<i>Ft. In.</i> 13 6	4	38	1 5'' 25 cal., S. P.....	1 sgl. ⁴ ...	6	SS205... 120
1,845	15 5	1,990	16 5	10	71	1 5'' 25 cal., S. P.....	1 sgl. ⁴ ...	10	SS480... 121
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS377... 122
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS378... 123
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS261... 124
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P.....	1 sgl. ⁴ ...	10	SS300... 125
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS262... 126
3,150	17 8	3,525	19 7	11	89	2 6'' 53 cal., Sgl.....	-----	² 10	SS167... 127
3,150	17 8	3,525	19 7	11	89	2 6'' 53 cal., Sgl.....	-----	² 10	SS168... 128
1,845	15 5	1,990	16 5	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS493... 129
1,845	15 5	1,990	16 5	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS484... 130
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal., S. P. ⁴	1 sgl.....	10	SS263... 131
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P.....	1 sgl.....	10	SS383... 132
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P.....	1 sgl.....	10	SS384... 133
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS264... 134
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P.....	1 sgl. ⁴ ...	10	SS313... 135
1,515	15 3	1,725	16 11	8	65	1 4'' 50 cal.....	-----	³ 8	SS178... 136
1,810	15 3	2,050	16 10	10	70	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS265... 137
1,845	15 5	1,990	16 5	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS524... 138
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl.....	10	SS382... 139
1,460	14 1	1,700	15 11	8	65	1 3'' 50 cal., D. P.....	-----	³ 8	SS173... 140
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS386... 141
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS387... 142
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P. ⁴	1 sgl. ⁴ ...	10	SS388... 143
1,810	15 3	2,050	16 10	10	71	1 5'' 25 cal., S. P.....	1 sgl. ⁴ ...	10	SS409... 144

¹ Approximate.

² Includes 4 deck firing tubes.

³ Includes 2 deck firing tubes.

⁴ Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines		Shaft horsepower	Main generators	
				Number	Manufacturer and model		Number	Manufacturer
120	MARLIN.....SS205	2	DG-MG....	2	ALCO M-6 (540).	1,700		(¹)
121	MEDREGAL.....SS480	2	DEDD.....	4	F. M. 38D8½	5,400	4	Elliott....
122	MENHADEN.....SS377	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
123	MERO.....SS378	2	DERD.....	4	G. M. 16-278A	5,400	4	do.....
124	MINGO.....SS261	2	DERD.....	4	G. M. 16-278A	5,400	4	A. C.....
125	MORAY.....SS300	2	DERD.....	4	F. M. 38D8½	5,400	4	G. E.....
126	MUSKALLUNGE..SS262	2	DERD.....	4	G. M. 16-278A	5,400	4	A. C.....
127	NARWHAL.....SS167	2	DGD.....	4	G. M. 16-278A	6,000		(¹)
128	NAUTILUS.....SS168	2	DGD.....	4	G. M. 16-258..	6,000		(¹)
129	NEEDLEFISH...SS493	2	DEDD.....	4	F. M. 38D8½	5,400	4	Elliott....
130	ODAX.....SS484	2	DEDD.....	4	F. M. 38D8½	5,400	4	do.....
131	PADDLE.....SS263	2	DERD.....	4	G. M. 16-278A	5,400	4	A. C.....
132	PAMPANITO....SS383	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott....
133	PARCHE.....SS384	2	DERD.....	4	F. M. 38D8½	5,400	4	do.....
134	PARGO.....SS264	2	DERD.....	4	G. M. 16-278A	5,400	4	A. C.....
135	PERCH.....SS313	2	DERD.....	4	G. M. 16-278A	5,400	4	G. E.....
136	PERMIT.....SS178	2	DERD.....	4	G. M. 12-278A	4,300	4	do.....
137	PETO.....SS265	2	DERD.....	4	G. M. 16-248..	5,400	4	do.....
138	PICKEREL.....SS524	2	DEDD.....	4	F. M. 38D8½	5,400	4	Westgh...
139	PICUDA.....SS382	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott....
140	PIKE.....SS173	2	DERD.....	4	G. M. 12-278A	4,300	4	do.....
141	PILOTFISH....SS386	2	DERD.....	4	F. M. 38D8½	5,400	4	do.....
142	PINTADO.....SS387	2	DERD.....	4	F. M. 38D8½	5,400	4	do.....
143	PIPEFISH....SS388	2	DERD.....	4	F. M. 38D8½	5,400	4	do.....
144	PIPER.....SS409	2	DEDD.....	4	F. M. 38D8½	5,400	4	do.....

¹ Same unit as main motor.

SUBMARINES (SS).

	Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹				
	Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)	
2	E. D.....	Sgl.....	F. B.....		2	60	Exide...	VLD 51B...	1	Kw. 60	110-165	120
2	Elliott....		None....		2	126	Gould...	OWTX 49B.	1	300	260-345	121
4	do.....	Sgl.....	F. B.....		2	126	do.....	VLA 47B...	1	300	260-345	122
4	do.....	do.....	do.....		2	126	do.....	do.....	1	300	260-345	123
4	A. C.....	do.....	Falk.....		2	126	do.....	do.....	1	300	260-345	124
4	Elliott....	do.....	Westgh..		2	126	do.....	OWTX 49B.	1	300	260-345	125
4	A. C.....	do.....	Falk.....		2	126	Exide...	VLA 47B...	1	300	260-345	126
2	Westgh...	do.....	F. B.....		2	120	do.....	UH-39B...	2	300	240-325	127
2	do.....	do.....	do.....		2	120	do.....	do.....	2	300	240-325	128
2	Elliott....		None....		2	126	do.....	VLA-47B...	1	300	260-345	129
2	do.....		do.....		2	126	do.....	do.....	1	300	260-345	130
4	A. C.....	Sgl.....	Falk.....		2	126	do.....	do.....	1	300	260-345	131
4	Elliott....	do.....	Westgh..		2	126	Gould...	OWTX 49B.	1	300	260-345	132
4	do.....	do.....	do.....		2	126	Exide...	VLA 47B...	1	300	260-345	133
4	A. C.....	do.....	Falk.....		2	126	do.....	do.....	1	300	260-345	134
4	G. E.....	do.....	F. B.....		2	126	do.....	do.....	1	300	260-345	135
8	do.....	do.....	G. E.....		2	120	Gould...	AMTX 33HB.	2	200	240-325	136
4	do.....	do.....	F. B.....		2	126	Exide...	VLA 47B...	1	300	260-345	137
2	Westgh...		None....		2	126	do.....	do.....	1	300	260-345	138
4	Elliott....	Sgl.....	Westgh..		2	126	do.....	do.....	1	300	260-345	139
4	do.....	do.....	De Laval.		2	120	do.....	VL 31B....	2	100	240-325	140
4	do.....	do.....	Westgh..		2	126	do.....	VLA 47B...	1	300	260-345	141
4	do.....	do.....	do.....		2	126	do.....	do.....	1	300	260-375	142
4	do.....	do.....	do.....		2	126	do.....	do.....	1	300	260-375	143
4	do.....		None....		2	126	Gould...	OWTX 49B.	1	300	260-375	144

¹ Driven by Diesel engines.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
120	MARLIN.....SS205	Navy Yard, Portsmouth, N. H.	2,793,000	May 17, 1938	July 1, 1939
121	MEDREGAL.....SS480	do.....	3,030,000	July 19, 1940	June 17, 1943
222	MENHADEN.....SS377	Manitowoc S. B. Co., Manitowoc, Wis.	3,114,000	May 13, 1942	June 6, 1942
123	MERO.....SS378	do.....	3,114,000	do.....	do.....
124	MINGO.....SS261	Electric Boat Co., Groton, Conn.	2,613,000	July 19, 1940	Sept. 9, 1940
125	MORAY.....SS300	Cramp S. B. Co., Philadelphia, Pa.	4,600,000	Dec. 23, 1941	Dec. 24, 1941
126	MUSKALLUNGE.....SS262	Electric Boat Co., Groton, Conn.	2,613,000	July 19, 1940	Sept. 9, 1940
127	NARWHAL.....SS167	Navy Yard, Portsmouth, N. H.	5,820,600	Feb. 11, 1925 ¹	Mar. 7, 1925 ²
128	NAUTILUS.....SS168	Navy Yard, Mare Island, Calif.	5,638,500	do ¹	do ²
129	NEEDLEFISH.....SS493	Navy Yard, Portsmouth, N. H.	3,030,000	July 19, 1940	June 17, 1943
130	ODAX.....SS484	do.....	3,030,000	do.....	do.....
131	PADDLE.....SS263	Electric Boat Co., Groton, Conn.	2,613,000	do.....	Sept. 9, 1940
132	PAMPANITO.....SS383	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
133	PARCHE.....SS384	do.....	3,310,000	do.....	do.....
134	PARGO.....SS264	Electric Boat Co., Groton, Conn.	2,613,000	July 19, 1940	Sept. 9, 1940
135	PERCH.....SS313	do.....	3,297,000	Dec. 23, 1941	Apr. 10, 1942
136	PERMIT.....SS178	do.....	3,554,800	Mar. 27, 1934	Aug. 22, 1934
137	PETO.....SS265	Manitowoc S. B. Co., Manitowoc, Wis.	3,411,000	July 19, 1940	Sept. 9, 1940
138	PICKEREL.....SS524	Navy Yard, Boston, Mass.	3,030,000	do.....	June 17, 1943
139	PICUDA.....SS382	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
140	PIKE.....SS173	do.....	2,328,500	June 16, 1933	{ June 19, 1933 ¹ Nov. 1, 1933 ²
141	PILOTFISH.....SS386	do.....	3,310,000	May 13, 1942	June 8, 1942
142	PINTADO.....SS387	do.....	3,310,000	do.....	do.....
143	PIPEFISH.....SS388	do.....	3,310,000	do.....	do.....
144	PIPER.....SS409	do.....	3,310,000	do.....	do.....

¹ Together with act of Aug. 29, 1916.² Date assigned to yard.³ Cost plus fixed fee (see "Notes and Definitions").

SUBMARINES (SS).

Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name
May 28, 1940	Jan. 29, 1941	-----	-----	Aug. 1, 1941	MARLIN.....
Aug. 21, 1944	Dec. 15, 1944	-----	-----	Apr. 14, 1945	MEDREGAL.....
June 21, 1944	Dec. 20, 1944	July 17, 1945	-----	-----	MENHADEN.....
July 22, 1944	Jan. 17, 1945	Aug. 12, 1945	-----	-----	MERO.....
Mar. 21, 1942	Nov. 30, 1942	Oct. 24, 1943	Feb. 12, 1943	Feb. 12, 1943	MINGO.....
Apr. 21, 1943	May 14, 1944	Dec. 1, 1944	-----	Jan. 26, 1945	MORAY.....
Apr. 7, 1942	Dec. 13, 1942	Nov. 24, 1943	Mar. 15, 1943	Mar. 15, 1943	MUSKALLUNGE.....
May 10, 1927	Dec. 17, 1929	-----	-----	May 15, 1930	NARWHAL.....
Aug. 2, 1927	Mar. 15, 1930	-----	-----	July 1, 1930	NAUTILUS.....
-----	-----	-----	-----	-----	NEEDLEFISH.....
Dec. 4, 1944	-----	-----	-----	-----	ODAX.....
May 1, 1942	Dec. 30, 1942	Dec. 24, 1943	Mar. 29, 1943	Mar. 29, 1943	PADDLE.....
Mar. 15, 1943	July 12, 1943	-----	-----	Nov. 6, 1943	PAMPANITO.....
Apr. 9, 1943	July 24, 1943	-----	-----	Nov. 20, 1943	PARCHE.....
May 21, 1942	Jan. 24, 1943	Jan. 24, 1943	Apr. 26, 1943	Apr. 26, 1943	PARGO.....
Jan. 5, 1943	Sept. 12, 1943	Nov. 15, 1943	Jan. 7, 1944	Jan. 7, 1944	PERCH.....
June 6, 1935	Oct. 5, 1936	May 22, 1937	Mar. 17, 1937	Mar. 17, 1937	PERMIT.....
June 18, 1941	Apr. 30, 1942	Aug. 4, 1943	Nov. 21, 1943	Nov. 21, 1942	PETO.....
Feb. 8, 1944	Dec. 15, 1944	-----	-----	-----	PICKEREL.....
Mar. 15, 1943	July 12, 1943	-----	-----	Oct. 16, 1943	PICUDA.....
Dec. 20, 1933	Sept. 12, 1935	May 1, 1936	-----	Dec. 2, 1935	PIKE.....
May 15, 1943	Aug. 30, 1943	-----	-----	Dec. 16, 1943	PILOTFISH.....
May 7, 1943	Sept. 15, 1943	-----	-----	Jan. 1, 1944	PINTADO.....
May 31, 1943	Oct. 12, 1943	-----	-----	Jan. 22, 1944	PIPEFISH.....
Mar. 15, 1944	June 26, 1944	-----	-----	Aug. 23, 1944	PIPER.....

SUBMARINES (SS).

Name and official number	Length over all	Ex-treme beam	Stand-ard dis-placement	Trial speed, surface			Sub-merged dis-placement ²	Fuel capacity	
				Normal condition diving trim	Emer-gency condition diving trim	Tons		Gals.	Gals.
145 PIRANHA.....SS389	Ft. In. 311 8	Ft. In. 27 3	Tons 1,525	Knots ³ 20.25	Knots	Tons 2,415	Gals. 54,000	Gals. 116,000	
146 PLAICE.....SS390	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000	
147 PLUNGER.....SS179	300 6	25 1	1,335	20.1	19.1	2,020	35,000	88,000	
148 POGY.....SS266	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
149 POLLACK.....SS180	300 6	25 1	1,335	20.1	19.1	2,020	35,000	88,000	
150 POMFRET.....SS391	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000	
151 POMODON.....SS486	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000	
152 POMPANO.....SS491	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000	
153 POMPON.....SS267	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
154 PORPOISE.....SS172	301 0	24 11	1,310	19.5	17.7	1,960	26,000	90,000	
155 PUFFER.....SS268	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
156 QUEENFISH.....SS393	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
157 QUILLBACK.....SS424	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000	
158 RASHER.....SS269	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
159 RATON.....SS270	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
160 RAY.....SS271	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
161 RAZORBACK.....SS394	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000	
162 REDFIN.....SS272	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
163 REDFISH.....SS395	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000	
164 REMORA.....SS487	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000	
165 REQUIN.....SS481	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000	
166 ROCK.....SS274	311 9	27 3	1,525	³ 20.25		2,415	54,000	116,000	
167 RONCADOR.....SS301	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000	
168 RONQUIL.....SS396	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000	
169 RUNNER.....SS476	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000	

¹ As built.
² Estimated.
³ Designed speed.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40-mm AA mounts	Num-ber of tor-pedo tubes	
Dis-placement	Mean draft	Dis-placement	Mean draft						
Tons 1,810	Ft. In. 15 3	Tons 2,050	Ft. In. 16 10	10	71	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS389... 145
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS390... 146
1,515	15 3	1,730	16 11	8	65	1 4", 50 cal.		6	SS179... 147
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS266... 148
1,515	15 3	1,730	16 11	8	65	1 4", 50 cal.		6	SS180... 149
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS391... 150
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS486... 151
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS491... 152
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS267... 153
1,460	14 1	1,700	15 11	8	65	1 3", 50 cal. D. P.		2 8	SS172... 154
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS268... 155
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS393... 156
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS424... 157
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS269... 158
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS270... 159
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS271... 160
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS394... 161
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS272... 162
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 Sgl.	10	SS395... 163
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS487... 164
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS481... 165
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³	1 Sgl.	10	SS274... 166
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS301... 167
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 Sgl.	10	SS396... 168
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ³	1 Sgl. ³	10	SS476... 169

¹ Approximate.
² Includes 2 deck firing tubes.
³ Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines		Shaft horsepower	Main generators	
				Number	Manufacturer and model		Number	Manufacturer
145	PIRANHA.....SS389	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	Elliott.....
146	PLAICE.....SS390	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
147	PLUNGER.....SS179	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	4,300	4	do.....
148	POGY.....SS266	2	DERD.....	4	G. M. 16-248	5,400	4	G. E.....
149	POLLACK.....SS180	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	4,300	4	Elliott.....
150	POMFRET.....SS391	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
151	POMODON.....SS486	2	DEDD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
152	POMPANO.....SS491	2	DEDD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
153	POMPON.....SS267	2	DERD.....	4	G. M. 16-248	5,400	4	G. E.....
154	PORPOISE.....SS172	2	DERD.....	4	G. M. 12-278A	4,300	4	Elliott.....
155	PUFFER.....SS268	2	DERD.....	4	G. M. 16-248	5,400	4	G. E.....
156	QUEENFISH.....SS393	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
157	QUILLBACK.....SS424	2	DEDD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
158	RASHER.....SS269	2	DERD.....	4	G. M. 16-248	5,400	4	do.....
159	RATON.....SS270	2	DERD.....	4	G. M. 16-248	5,400	4	do.....
160	RAY.....SS271	2	DERD.....	4	G. M. 16-248	5,400	4	do.....
161	RAZORBACK.....SS394	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	Elliott.....
162	REDFIN.....SS272	2	DERD.....	4	G. M. 16-248	5,400	4	G. E.....
163	REDFISH.....SS395	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	Elliott.....
164	REMORA.....SS487	2	DEDD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
165	REQUIN.....SS481	2	DEDD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
166	ROCK.....SS274	2	DERD.....	4	G. M. 16-248	5,400	4	G. E.....
167	RONCADOR.....SS301	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....
168	RONQUIL.....SS396	2	DERD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	Elliott.....
169	RUNNER.....SS476	2	DEDD.....	4	F. M. 38D8 $\frac{1}{8}$	5,400	4	do.....

SUBMARINES (SS).

Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹			
Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)
4	Elliott.....	Sgl.....	Westgh..	2	126	Gould...	OWTX 49B.	1	Kw. 300	260-345
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345
4	do.....	do.....	F. B.....	2	120	do.....	AMTX 33HB.	2	200	240-325
4	G. E.....	do.....	do.....	2	126	Exide...	VLA 47B...	1	300	260-345
4	Elliott.....	do.....	do.....	2	120	Gould...	AMTX 33HB.	2	200	240-325
4	do.....	do.....	Westgh..	2	126	do.....	OWTX 49B.	1	300	260-345
4	do.....	do.....	None.....	2	126	Exide...	VLA 47B...	1	300	260-345
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345
2	G. E.....	Sgl.....	F. B.....	2	126	do.....	do.....	1	300	260-345
4	Elliott.....	do.....	De Laval.	2	120	do.....	VL 31B.....	2	100	240-325
4	G. E.....	do.....	F. B.....	2	126	do.....	VLA 47B...	1	300	260-345
4	Elliott.....	do.....	Westgh..	2	126	do.....	OWTX 49B.	1	300	260-345
4	G. E.....	do.....	G. E.....	2	126	Gould...	do.....	1	300	260-345
2	do.....	do.....	F. B.....	2	126	do.....	VLA 47B...	1	300	260-345
4	do.....	do.....	do.....	2	126	Exide...	do.....	1	300	260-345
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345
4	Elliott.....	do.....	Westgh..	2	126	Gould...	OWTX 49B.	1	300	260-345
4	G. E.....	do.....	F. B.....	2	126	Exide...	VLA 47B...	1	300	260-345
4	Elliott.....	do.....	Westgh..	2	126	Gould...	OWTX 49B.	1	300	260-345
4	do.....	do.....	None.....	2	126	Exide...	VLA 47B...	1	300	260-345
2	do.....	do.....	do.....	2	126	Gould...	OWTX 49B.	1	300	260-345
2	G. E.....	Sgl.....	F. B.....	2	126	Exide...	VLA 47B...	1	300	260-345
4	Elliott.....	do.....	Westgh..	2	126	Gould...	OWTX 49B.	1	300	260-345
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345
2	do.....	do.....	None.....	2	126	do.....	do.....	1	300	260-345

¹ Driven by Diesel engine.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
145	PIRANHA.....SS389	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
146	PLAICE.....SS390	do.....	3,310,000	do.....	do.....
147	PLUNGER.....SS179	do.....	3,580,100	Mar. 27, 1934	{Aug. 22, 1934 ¹ Nov. 1, 1934 ² }
148	POGY.....SS266	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,411,000	July 19, 1940	Sept. 9, 1940
149	POLLACK.....SS180	{Navy Yard, Portsmouth, N. H.	{ 3,445,000	Mar. 27, 1934	{Aug. 25, 1934 ¹ Nov. 1, 1934 ² }
150	POMFRET.....SS391	do.....	3,310,000	May 13, 1942	June 8, 1942
151	POMODON.....SS486	do.....	3,030,000	July 19, 1940	June 17, 1943
162	POMPANO.....SS491	do.....	3,030,000	do.....	do.....
153	POMPON.....SS267	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,411,000	July 19, 1940	Sept. 9, 1940
154	PORPOISE.....SS172	{Navy Yard, Portsmouth, N. H.	{ 3,685,700	June 16, 1933	{June 19, 1933 ¹ Nov. 1, 1933 ² }
155	PUFFER.....SS268	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,411,000	July 19, 1940	Sept. 9, 1940
156	QUEENFISH.....SS393	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
157	QUILLBACK.....SS424	do.....	3,410,000	do.....	Feb. 22, 1943
158	RASHER.....SS269	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,411,000	July 19, 1940	Sept. 9, 1940
159	RATON.....SS270	do.....	³ 3,411,000	do.....	do.....
160	RAY.....SS271	do.....	³ 3,411,000	do.....	do.....
161	RAZORBACK.....SS394	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
162	REDFIN.....SS272	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,411,000	July 19, 1940	Sept. 9, 1940
163	REDFISH.....SS395	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
164	REMORA.....SS487	do.....	3,030,000	July 19, 1940	June 17, 1943
165	REQUIN.....SS481	do.....	3,030,000	do.....	do.....
166	ROCK.....SS274	Manitowoc S. B. Co., Manitowoc, Wis.	³ 3,411,000	July 19, 1940	Sept. 9, 1940
167	RONCADOR.....SS301	Cramp S. B. Co., Philadelphia, Pa.	³ 4,600,000	Dec. 23, 1941	Dec. 24, 1941
168	RONQUIL.....SS396	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
169	RUNNER.....SS476	do.....	3,030,000	July 19, 1940	June 17, 1943

¹ Date assigned to yard.² Beginning of construction period.³ Cost plus fixed fee (see "Notes and Definitions").

SUBMARINES (SS).

	Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name
	June 21, 1943	Oct. 27, 1943	-----	-----	Feb. 5, 1944	PIRANHA..... 145
	June 28, 1943	Nov. 15, 1943	-----	-----	Feb. 12, 1944	PLAICE..... 146
	} July 17, 1935	July 8, 1936	Feb. 1, 1937	-----	Nov. 19, 1937	PLUNGER..... 147
	Sept. 15, 1941	June 23, 1942	Nov. 4, 1943	Jan. 10, 1943	Jan. 10, 1943	POGY..... 148
	} Oct. 1, 1935	Sept. 15, 1936	May 1, 1937	-----	Jan. 15, 1937	POLLACK..... 149
	July 14, 1943	Oct. 27, 1943	-----	-----	Feb. 19, 1944	POMFRET..... 150
	Jan. 29, 1945	-----	-----	-----	-----	POMODON..... 151
	-----	-----	-----	-----	-----	POMPANO..... 152
	Nov. 26, 1941	Aug. 15, 1942	Feb. 4, 1943	Mar. 17, 1943	Mar. 17, 1943	POMPON..... 153
	} Oct. 27, 1933	June 20, 1935	Feb. 1, 1936	-----	Aug. 15, 1935	PORPOISE..... 154
	Feb. 16, 1942	Nov. 22, 1942	Apr. 4, 1943	Apr. 27, 1943	Apr. 27, 1943	PUFFER..... 155
	July 27, 1943	Nov. 30, 1943	-----	-----	Mar. 11, 1944	QUEENFISH..... 156
	June 27, 1944	Oct. 1, 1944	-----	-----	Dec. 29, 1944	QUILLBACK..... 157
	May 4, 1942	Dec. 20, 1942	June 4, 1943	June 8, 1943	June 8, 1943	RASHER..... 158
	May 29, 1942	Jan. 24, 1943	Jan. 4, 1945	July 13, 1943	July 13, 1943	RATON..... 159
	July 20, 1942	Feb. 28, 1943	Mar. 4, 1945	July 27, 1943	July 27, 1943	RAY..... 160
	Sept. 9, 1943	Jan. 27, 1944	-----	-----	Apr. 3, 1944	RAZORBACK..... 161
	Sept. 3, 1942	Apr. 4, 1943	May 4, 1945	Aug. 31, 1943	Aug. 31, 1943	REDFIN..... 162
	Sept. 9, 1943	Jan. 27, 1944	-----	-----	Apr. 12, 1944	REDFISH..... 163
	Mar. 5, 1945	-----	-----	-----	-----	REMORA..... 164
	Aug. 24, 1944	Jan. 1, 1945	-----	-----	Apr. 28, 1945	REQUIN..... 165
	Dec. 23, 1942	June 20, 1943	Sept. 4, 1945	Oct. 26, 1943	Oct. 26, 1943	ROCK..... 166
	Apr. 21, 1943	May 14, 1944	Dec. 31, 1944	Mar. 27, 1945	Mar. 27, 1945	RONCADOR..... 167
	Sept. 9, 1943	Jan. 27, 1944	-----	-----	Apr. 22, 1944	RONQUIL..... 168
	July 10, 1944	Oct. 17, 1944	-----	-----	Feb. 26, 1945	RUNNER..... 169

SUBMARINES (SS).

Name and official number	Length over all	Ex-treme beam	Stand-ard dis-placement	Trial speed surface		Sub-merged dis-placement ²	Fuel capacity	
				Normal condition diving trim	Emer-gency condition diving trim		Nor-mal load	Emer-gency load
170 SABALO.....SS302	Ft. In. 311 8	Ft. In. 27 3	Tons 1,525	Knots ³ 20.25	Knots	Tons 2,415	Gals. 54,000	Gals. 116,000
171 SABLEFISH.....SS303	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
172 SAILFISH.....SS192	310 6	26 10	1,475	20.6	20.7	2,340	90,000	106,000
173 SALMON.....SS182	308 0	26 2	1,435	21.4		2,210	38,000	93,000
174 SAND LANCE.....SS381	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
175 SARDA.....SS488	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000
176 SARGO.....SS188	310 6	27 1	1,460	20.6		2,350	93,000	109,000
177 SAURY.....SS189	310 6	27 1	1,460	20.6		2,350	93,000	109,000
178 SAWFISH.....SS276	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
179 SCABBARDFISH.....SS397	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
180 SCAMP ⁴.....SS277	311 8	27 3	1,525	³ 20.25		2,415	60,000	113,000
181 SCULPIN.....SS494	311 8	27 3	1,570	³ 20.25		2,415	54,000	116,000
182 SEA CAT.....SS399	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
183 SEA DEVIL.....SS400	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
184 SEA DOG.....SS401	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
185 SEADRAGON.....SS194	310 6	27 1	1,450	20.7		2,350	93,000	109,000
186 SEA FOX.....SS402	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
187 SEAHORSE.....SS304	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
188 SEAL.....SS183	308 0	26 2	1,435	21.4	20.7	2,210	38,000	93,000
189 SEA LEOPARD.....SS483	311 8	27 3	1,570	³ 20.25		2,415	60,000	113,000
190 SEALION.....SS315	311 9	27 3	1,525	³ 20.25		2,415	55,000	118,000
191 SEA OWL.....SS405	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
192 SEA POACHER.....SS406	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000
193 SEARAVEN.....SS196	310 6	26 11	1,450	20.4		2,340	90,000	106,000
194 SEA ROBIN.....SS407	311 8	27 3	1,525	³ 20.25		2,415	54,000	116,000

¹ As built.² Estimated.³ Designed speed.⁴ SCAMP SS277 stricken April 28, 1945.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40 mm AA mounts	Number of tor-pedo tubes	
Dis-placement	Mean draft	Dis-placement	Mean draft						
Tons 1,810	Ft. In. 15 3	Tons 2,050	Ft. In. 16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS302... 170
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS303... 171
1,900	16 9	1,960	17 3	10	68	1 4", 50 cal.		8	SS192... 172
1,670	15 10	1,885	17 6	10	65	1 4", 50 cal.		8	SS182... 173
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS381... 174
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS488... 175
1,900	16 8	1,960	17 1	10	68	1 5", 25 cal. S. P.		8	SS188... 176
1,900	16 8	1,960	17 1	10	68	1 4", 50 cal.	1 sgl.	8	SS189... 177
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS276... 178
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS397... 179
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.	10	SS277... 180
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS494... 181
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS399... 182
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS400... 183
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS401... 184
1,900	16 8	1,970	17 2	10	68	1 4", 50 cal. S. P.		8	SS194... 185
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl. ²	10	SS402... 186
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.	10	SS304... 187
1,670	15 10	1,885	17 6	10	65	1 4", 50 cal.		8	SS183... 188
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS483... 189
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ²	10	SS315... 190
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS405... 191
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS406... 192
1,900	16 9	1,960	17 3	8	68	1 4", 50 cal.		8	SS196... 193
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.	1 sgl.	10	SS407... 194

¹ Approximate.² Ultimate authorized armament.

SUBMARINES (SS).

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines			Main generators	
				Number	Manufacturer and model	Shaft horsepower	Number	Manufacturer
170	SABALO.....SS302	2	DERD.....	4	F. M. 38D8½	5,400	4	G. E.....
171	SABLEFISH.....SS303	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
172	SAILFISH.....SS192	2	Composite 1	4	G. M. 16-248..	5,500	2	...do.....
173	SALMON.....SS182	2	Composite 1	4	G. M. 16-278A.	5,500	2	Elliott....
174	SAND LANCE.....SS381	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
175	SARDA.....SS488	2	DEDD.....	4	F. M. 38D8½	5,400	4	...do.....
176	SARGO.....SS188	2	Composite 1	4	G. M. 16-278A.	5,500	2	G. E.....
177	SAURY.....SS189	2	Composite 1	4	G. M. 16-278A.	5,500	2	...do.....
178	SAWFISH.....SS276	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
179	SCABBARDFISH.....SS397	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott....
180	SCAMP.....SS277	2	DERD.....	4	F. M. 38D8½	5,400	4	G. E.....
181	SCULPIN.....SS494	2	DEDD.....	4	F. M. 38D8½	5,400	4	Elliott....
182	SEA CAT.....SS399	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
183	SEA DEVIL.....SS400	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
184	SEA DOG.....SS401	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
185	SEADRAGON.....SS194	2	DERD.....	4	G. M. 16-278A.	5,200	2	G. E.....
186	SEA FOX.....SS402	2	DERD.....	4	F. M. 38D8½	5,400	4	Elliott....
187	SEAHORSE.....SS304	2	DERD.....	4	F. M. 38D8½	5,400	4	...do.....
188	SEAL.....SS183	2	Composite 1	4	G. M. 16-278A.	5,500	2	...do.....
189	SEA LEOPARD.....SS483	2	DEDD.....	4	F. M. 38D8½	5,400	4	...do.....
190	SEALION.....SS315	2	DERD.....	4	G. M. 16-278A.	5,400	4	G. E.....
191	SEA OWL.....SS405	2	DEDD.....	4	F. M. 38D8½	5,400	4	Elliott....
192	SEA POACHER.....SS406	2	DEDD.....	4	F. M. 38D8½	5,400	4	...do.....
193	SEARAVEN.....SS196	2	DERD.....	4	G. M. 16-248..	5,200	4	G. E.....
194	SEA ROBIN.....SS407	2	DEDD.....	4	F. M. 38D8½	5,200	4	Elliott....

¹ Two engines gear drive; 2 engines electric drive.

Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹			
Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)
4	Elliott....	Sgl.....	Westgh..	2	126	Gould...	OWTX 49B.	1	Kw. 300	260-345 170
4	...do.....	...do.....	...do.....	2	126	...do.....	...do.....	1	300	260-345 171
4	G. E.....	...do.....	G. E.....	2	126	...do.....	VLA 47B...	1	258	260-345 172
4	Elliott....	...do.....	F. B.....	2	126	Gould...	OLTXA 49B	1	330	260-345 173
4	...do.....	...do.....	Westgh..	2	126	...do.....	OWTX 49B.	1	300	260-345 174
2	...do.....	...do.....	None.....	2	126	...do.....	...do.....	1	300	260-345 175
4	G. E.....	Sgl.....	G. E.....	2	126	Exide...	VLA 47B...	1	258	260-345 176
4	...do.....	...do.....	...do.....	2	126	...do.....	...do.....	1	258	260-345 177
4	...do.....	...do.....	...do.....	2	126	...do.....	...do.....	1	300	260-345 178
4	Elliott....	...do.....	Westgh..	2	126	Gould...	OWTX 49B.	1	300	260-345 179
4	G. E.....	...do.....	G. E.....	2	126	Exide...	VLA 47B...	1	300	260-345 180
2	Elliott....	...do.....	None.....	2	126	...do.....	...do.....	1	300	260-345 181
4	...do.....	Sgl.....	Westgh..	2	126	Gould...	OWTX 49B.	1	300	260-345 182
4	...do.....	...do.....	...do.....	2	126	Exide...	VLA 47B...	1	300	260-345 183
4	...do.....	...do.....	...do.....	2	126	Gould...	OWTX 49B.	1	300	260-345 184
4	G. E.....	...do.....	G. E.....	2	126	Exide...	VLA 47B...	1	300	260-345 185
4	Elliott....	...do.....	Westgh..	2	126	...do.....	...do.....	1	300	260-345 186
4	...do.....	...do.....	...do.....	2	126	...do.....	...do.....	1	300	260-345 187
4	...do.....	...do.....	F. B.....	2	126	Gould...	OLTXA 49B	1	330	260-345 188
2	...do.....	...do.....	None.....	2	126	...do.....	...do.....	1	300	260-345 189
4	G. E.....	Sgl.....	F. B.....	2	126	Exide...	VLA 47B...	1	300	260-345 190
4	Elliott....	...do.....	None.....	2	126	Gould...	OWTX 49B.	1	300	260-345 191
4	...do.....	...do.....	...do.....	2	126	...do.....	...do.....	1	300	260-345 192
4	G. E.....	Sgl.....	F. B.....	2	126	...do.....	...do.....	1	258	260-345 193
4	Elliott....	...do.....	None.....	2	126	...do.....	...do.....	1	300	260-345 194

¹ Driven by Diesel engines

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
170	SABALO.....SS302	Cramp S. B. Co., Philadelphia, Pa.	\$4,600,000	Dec. 23, 1941	Dec. 24, 1941
171	SABLEFISH.....SS303	do.....	\$4,600,000	do.....	do.....
172	SAILFISH.....SS192	Navy Yard, Portsmouth, N. H.		Mar. 27, 1934	{Dec. 1, 1936 ² {Sept. 18, 1936 ¹
173	SALMON.....SS182	Electric Boat Co., Groton, Conn.	3,272,600	do.....	Sept. 19, 1935
174	SAND LANCE.....SS381	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
175	SARDA.....SS488	do.....	3,030,000	July 19, 1940	June 17, 1943
176	SARGO.....SS188	Electric Boat Co., Groton, Conn.	4,080,300	Mar. 27, 1934	Sept. 4, 1936
177	SAURY.....SS189	do.....	4,080,800	do.....	do.....
178	SAWFISH.....SS276	Navy Yard, Portsmouth, N. H.	3,440,000	July 19, 1940	Sept. 9, 1940
179	SCABBARDFISH.....SS397	do.....	3,310,000	May 13, 1942	June 8, 1942
180	SCAMP.....SS277	do.....	3,440,000	July 19, 1940	Sept. 9, 1940
181	SCULPIN.....SS494	do.....	3,030,000	do.....	June 17, 1943
182	SEA CAT.....SS399	do.....	3,310,000	May 13, 1942	June 8, 1942
183	SEA DEVIL.....SS400	do.....	3,310,000	do.....	do.....
184	SEA DOG.....SS401	do.....	3,310,000	do.....	do.....
185	SEADRAGON.....SS194	Electric Boat Co., Groton, Conn.		Mar. 27, 1934	July 6, 1937
186	SEA FOX.....SS402	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
187	SEAHORSE.....SS304	Navy Yard, Mare Island, Calif.	3,443,000	Dec. 23, 1941	Dec. 15, 1941
188	SEAL.....SS183	Electric Boat Co., Groton, Conn.	3,767,000	Mar. 27, 1934	Sept. 19, 1935
189	SEA LEOPARD.....SS483	Navy Yard, Portsmouth, N. H.	3,030,000	July 19, 1940	June 17, 1943
190	SEALION.....SS315	Electric Boat Co., Groton, Conn.	3,297,000	Dec. 23, 1941	June 6, 1942
191	SEA OWL.....SS405	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
192	SEA POACHER.....SS406	do.....	3,310,000	do.....	do.....
193	SEARAVEN.....SS196	do.....	4,202,600	Mar. 27, 1934	{June 24, 1937 ¹ {Aug. 1, 1937 ²
194	SEA ROBIN.....SS407	do.....	3,310,000	May 13, 1942	June 8, 1942

¹ Date assigned to yard.² Beginning of construction period.³ Cost plus fixed fee (see "Notes and Definitions").

SUBMARINES (SS.)

	Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
	June 5, 1943	June 4, 1944	Feb 1, 1945	-----	-----	SABALO.....	170
	do.....	do.....	Mar. 1, 1945	-----	-----	SABLEFISH.....	171
	Oct. 18, 1937	Sept. 14, 1938	June 1, 1939	-----	{Mar. 1, 1939 {May 15, 1940	SAILFISH.....	172
	Apr. 15, 1936	June 12, 1937	Dec. 19, 1937	Mar. 15, 1938	Mar. 15, 1938	SALMON.....	173
	Mar. 12, 1943	June 25, 1943	-----	-----	Oct. 9, 1943	SAND LANCE.....	174
	Apr. 12, 1945	-----	-----	-----	-----	SARDA.....	175
	May 12, 1937	June 6, 1938	June 4, 1939	Feb. 7, 1939	Feb. 7, 1939	SARGO.....	176
	June 28, 1937	Aug. 20, 1938	July 19, 1939	Apr. 3, 1939	Apr. 3, 1939	SAURY.....	177
	Jan. 20, 1942	June 23, 1942	-----	-----	Aug. 26, 1942	SAWFISH.....	178
	Sept. 27, 1943	Jan. 27, 1944	-----	-----	-----	SCABBARDFISH.....	179
	Mar. 6, 1942	July 20, 1942	-----	-----	Sept. 18, 1942	SCAMP.....	180
	Mar. 2, 1945	-----	-----	-----	-----	SCULPIN.....	181
	Oct. 30, 1943	Feb. 21, 1944	-----	-----	May 16, 1944	SEA CAT.....	182
	Nov. 18, 1943	Feb. 28, 1944	-----	-----	May 24, 1944	SEA DEVIL.....	183
	Nov. 1, 1943	Feb. 28, 1944	-----	-----	June 3, 1944	SEA DOG.....	184
	Apr. 18, 1938	Apr. 21, 1939	Dec. 6, 1939	Oct. 23, 1939	Oct. 23, 1939	SEADRAGON.....	185
	Nov. 2, 1943	Mar. 28, 1944	-----	-----	June 13, 1944	SEA FOX.....	186
	July 1, 1942	Jan. 9, 1943	-----	-----	Mar. 31, 1943	SEAHORSE.....	187
	May 25, 1936	Aug. 25, 1937	Mar. 19, 1938	Apr. 30, 1938	Apr. 30, 1938	SEAL.....	188
	Nov. 7, 1944	Mar. 2, 1945	-----	-----	-----	SEA LEOPARD.....	189
	Feb. 25, 1943	Oct. 31, 1943	Dec. 20, 1943	Mar. 8, 1944	Mar. 8, 1944	SEALION.....	190
	Feb. 7, 1944	May 7, 1944	-----	-----	July 17, 1944	SEA OWL.....	191
	Feb. 23, 1944	May 20, 1944	-----	-----	July 31, 1944	SEA POACHER.....	192
	Aug. 9, 1938	June 21, 1939	Feb. 1, 1940	-----	Oct. 2, 1939	SEARAVEN.....	193
	Mar. 1, 1944	May 25, 1944	-----	-----	Aug. 7, 1944	SEA ROBIN.....	194

SUBMARINES (SS).

	Name and official number	Length over all	Ex-treme beam	Stand-ard dis-placement	Trial speed surface		Sub-merged dis-placement ²	Fuel capacity	
					Normal condi-tion diving trim	Emer-gency condi-tion diving trim		Normal load	Emer-gency load
		<i>Ft. In.</i>	<i>Ft. In.</i>	<i>Tons</i>	<i>Knots</i>	<i>Knots</i>	<i>Tons</i>	<i>Gals.</i>	<i>Gals.</i>
195	SEGUNDO.....SS398	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
196	SENNET.....SS408	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
197	SHAD.....SS235	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
198	SILVERSIDES.....SS236	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
199	SIRAGO.....SS485	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000
200	SKATE.....SS305	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
201	SKIPJACK.....SS184	308 0	26 2	1,435	21.4	20.7	2,210	38,000	93,000
202	SNAPPER.....SS185	308 0	26 1	1,435	20.9	20.4	2,220	38,000	95,000
203	SNOOK.....SS279	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
204	SPADEFISH.....SS411	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
205	SPEARFISH.....SS190	310 6	27 1	1,460	20.6	-----	2,350	93,000	109,000
206	SPIKEFISH.....SS404	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
207	SPINAX.....SS489	311 8	27 3	1,570	³ 20.25	-----	2,415	60,000	113,000
208	SPOT.....SS413	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
209	SPRINGER.....SS414	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
210	STEELHEAD.....SS280	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
211	STERLET.....SS392	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
212	STICKLEBACK.....SS415	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
213	STINGRAY.....SS186	308 0	26 1	1,435	20.9	20.4	2,220	38,000	95,000
214	STURGEON.....SS187	308 0	26 1	1,435	20.9	20.4	2,220	38,000	95,000
215	SUNFISH.....SS281	311 8	27 3	1,525	³ 20.25	-----	2,415	54,000	116,000
216	SWORDFISH ⁴.....SS193	310 6	26 10	1,450	20.6	-----	2,340	90,000	106,000
117	TAMBOR.....SS198	307 3	27 3	1,475	21.1	-----	2,370	54,000	113,000
218	TARPON.....SS175	298 0	25 1	1,315	20.2	19.7	1,990	31,000	86,000

¹ As built.² Estimated.³ Designed speed.⁴ SWORDFISH SS193 stricken May 19, 1945.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40 mm AA mounts	Number of tor-pedo tubes	
Dis-placement	Mean draft	Dis-placement	Mean draft						
<i>Tons</i>	<i>Ft. In.</i>	<i>Tons</i>	<i>Ft. In.</i>						
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. -----	1 sgl. ³	10	SS398... 195
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. -----	1 sgl. ³	10	SS408... 196
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³ -----	1 sgl.-----	10	SS235... 197
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³ -----	1 sgl.-----	10	SS236... 198
1,845	15 5	1,990	16 5	10	71	1 5" 25 cal. S. P. ³ -----	1 sgl. ³	10	SS485... 199
1,810	15 3	2,050	16 10	10	70	1 5" 25 cal. S. P. ³ -----	1 sgl.-----	10	SS305... 200
1,670	15 10	1,885	17 6	10	65	1 4", 50 cal.-----	-----	8	SS184... 201
1,670	15 11	1,890	17 7	10	65	1 4", 50 cal.-----	-----	8	SS185... 202
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³ -----	1 sgl. ³	10	SS279... 203
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.-----	1 sgl. ³	10	SS411... 204
1,900	16 8	1,960	17 1	10	68	1 4", 50 cal.-----	-----	8	SS190... 205
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.-----	1 sgl.-----	10	SS404... 206
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ³ -----	1 sgl.-----	10	SS489... 207
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.-----	1 sgl.-----	10	SS413... 208
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.-----	1 sgl. ³	10	SS414... 209
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³ -----	1 sgl.-----	10	SS280... 210
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ³ -----	1 sgl. ³	10	SS392... 211
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ³ -----	1 sgl.-----	10	SS415... 212
1,670	15 11	1,890	17 7	10	65	1 4", 50 cal.-----	1 sgl.-----	8	SS186... 213
1,670	15 11	1,890	17 7	10	65	1 3", 50 cal. S. P.-----	-----	8	SS187... 214
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ³ -----	1 sgl. ³	10	SS281... 215
1,900	16 9	1,960	17 3	10	68	1 4", 50 cal.-----	-----	8	SS193... 216
1,770	15 2	1,990	16 9	10	69	1 5", 25 cal. S. P.-----	1 sgl. ³	10	SS198... 217
1,500	15 3	1,710	17 0	8	65	1 4", 50 cal.-----	-----	² 8	SS175... 218

¹ Approximate.² Includes 2 deck firing tubes.³ Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of pro-pellers	Type of drive	Main engines		Shaft horse-power	Main generators	
				Number	Manufacturer and model		Number	Manufacturer
195	SEGUNDO..... SS398	2	DERD.....	4	F. M. 38D8½.	5,400	4	Elliott....
196	SENNET..... SS408	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
197	SHAD..... SS235	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
198	SILVERSIDES..... SS236	2	DERD.....	4	F. M. 38D8½.	5,400	4	G. E.....
199	SIRAGO..... SS485	2	DEDD.....	4	F. M. 38D8½.	5,400	4	Elliott....
200	SKATE..... SS305	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
201	SKIPJACK..... SS184	2	Composite ¹	4	G. M. 16-278A.	5,500	2	do.....
202	SNAPPER..... SS185	2	do.....	4	G. M. 16-278A.	5,500	2	do.....
203	SNOOK..... SS279	2	DERD.....	4	F. M. 38D8½.	5,400	4	G. E.....
204	SPADEFISH..... SS411	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
205	SPEARFISH..... SS190	2	Composite ¹	4	G. M. 16-278A.	5,500	4	do.....
206	SPIKEFISH..... SS404	2	DERD.....	4	F. M. 38D8½.	5,400	4	Elliott....
207	SPINAX..... SS489	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
208	SPOT..... SS413	2	DERD.....	4	F. M. 38D8½.	5,400	4	G. E.....
209	SPRINGER..... SS414	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
210	STEELHEAD..... SS280	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
211	STERLET..... SS392	2	DERD.....	4	F. M. 38D8½.	5,400	4	Elliott....
212	STICKLEBACK..... SS415	2	DERD.....	4	F. M. 38D8½.	5,400	4	G. E.....
213	STINGRAY..... SS186	2	Composite ¹	4	G. M. 16-248.	5,500	2	Elliott....
214	STURGEON..... SS187	2	do. ¹	4	G. M. 16-248.	5,500	2	do.....
215	SUNFISH..... SS281	2	DERD.....	4	F. M. 38D8½.	5,400	4	G. E.....
216	SWORDFISH..... SS193	2	Composite ¹	4	G. M. 16-248.	5,500	2	do.....
217	TAMBOR..... SS198	2	DERD.....	4	G. M. 16-248.	5,400	4	do.....
218	TARPON..... SS175	2	DERD.....	4	G. M. 12-278A.	4,300	4	Elliott....

¹ Two engines gear drive; 2 engines electric drive.

SUBMARINES (SS).

	Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹			
	Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)
4	Elliott....	Sgl....	Westgh..	2	126	Gould..	OWTX 49B.	1	Kw. 300	260-345	195
4	do.....	do.....	None....	2	126	do.....	do.....	1	300	260-345	196
4	do.....	Sgl....	Westgh..	2	126	Exide... VLA 47B...	1	300	260-345	197	
4	G. E.....	do.....	G. E.....	2	126	do.....	do.....	1	100	260-345	198
2	Elliott....	do.....	None....	2	126	Gould... OWTX 49B.	1	300	260-345			199
4	do.....	Sgl....	Westgh..	2	126	Exide... VLA 47B...	1	300	260-345	200	
4	do.....	do.....	F. B.....	2	126	Gould... OLTXA 49B.	1	330	260-345	201	
4	do.....	do.....	do.....	2	126	do.....	do.....	1	330	260-345	202
4	G. E.....	do.....	G. E.....	2	126	Exide... VLA 47B...	1	300	260-345	203	
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	204
4	do.....	do.....	do.....	2	126	do.....	do.....	1	258	260-345	205
4	Elliott....	do.....	Westgh..	2	126	do.....	do.....	1	300	260-345	206
2	do.....	do.....	None....	2	126	do.....	do.....	1	300	260-345	207
4	G. E.....	Sgl....	G. E.....	2	126	do.....	do.....	1	300	260-345	208
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	209
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	210
4	Elliott....	do.....	Westgh..	2	126	Gould... OWTX 49B.	1	300	260-345	211	
4	G. E.....	do.....	G. E.....	2	126	Exide... VLA 47B...	1	300	260-345	212	
4	Elliott....	do.....	F. B.....	2	126	Gould... OLTXA 49B.	1	330	260-345	213	
4	do.....	do.....	do.....	2	126	do.....	do.....	1	330	260-345	214
4	G. E.....	do.....	G. E.....	2	126	Exide... VLA 47B...	1	300	260-345	215	
4	do.....	do.....	do.....	2	126	do.....	do.....	1	258	260-345	216
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	217
4	Elliott....	do.....	De Laval.	2	120	do.....	VL 31B....	2	100	240-325	218

¹ Driven by Diesel engine.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
195	SEGUNDO.....SS398	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1942	June 8, 1942
196	SENNET.....SS408	do.....	3,310,000	do.....	do.....
197	SHAD.....SS235	do.....	3,440,000	June 14, 1940	June 28, 1940
198	SILVERSIDES.....SS236	Navy Yard, Mare Island, Calif.	3,440,000	do.....	do.....
199	SIRAGO.....SS485	Navy Yard, Portsmouth, N. H.	3,030,000	July 19, 1940	June 17, 1943
200	SKATE.....SS305	Navy Yard, Mare Island, Calif.	3,443,000	Dec. 23, 1941	Dec. 15, 1941
201	SKIPJACK.....SS184	Electric Boat Co., Groton, Conn.	3,720,800	Mar. 27, 1934	Sept. 19, 1935
202	SNAPPER.....SS185	Navy Yard, Portsmouth, N. H.	3,833,700	do.....	{Dec. 1, 1935 ² {Sept. 9, 1935 ¹
203	SNOOK.....SS279	do.....	3,440,000	July 19, 1940	Sept. 9, 1940
204	SPADEFISH.....SS411	Navy Yard, Mare Island, Calif.	3,410,000	May 13, 1942	June 8, 1942
205	SPEARFISH.....SS190	Electric Boat Co., Groton, Conn.	4,058,200	Mar. 27, 1934	Sept. 4, 1936
206	SPIKEFISH.....SS404	Navy Yard, Portsmouth, N. H.	3,310,000	May 13, 1945	June 8, 1942
207	SPINAX.....SS489	Navy Yard, Portsmouth, N. H.	3,030,000	July 19, 1940	June 17, 1943
208	SPOT.....SS413	Navy Yard, Mare Island, Calif.	3,410,000	May 13, 1942	June 8, 1942
209	SPRINGER.....SS414	do.....	3,410,000	do.....	do.....
210	STEELHEAD.....SS280	Navy Yard, Portsmouth, N. H.	3,440,000	July 19, 1940	Sept. 9, 1940
211	STERLET.....SS392	do.....	3,310,000	May 13, 1942	June 8, 1942
212	STICKLEBACK.....SS415	Navy Yard, Mare Island, Calif.	3,410,000	do.....	do.....
213	STINGRAY.....SS186	Navy Yard, Portsmouth, N. H.	3,793,800	Mar. 27, 1934	{Dec. 1, 1935 ² {Sept. 9, 1935 ¹
214	STURGEON.....SS187	Navy Yard, Mare Island, Calif.	4,020,500	do.....	do.....
215	SUNFISH.....SS281	do.....	3,440,000	July 19, 1940	Sept. 9, 1940
216	SWORDFISH.....SS193	do.....	do.....	Mar. 27, 1934	{Feb. 8, 1937 ² {Jan. 28, 1937 ¹
217	TAMBOR.....SS198	Electric Boat Co., Groton, Conn.	do.....	do.....	Aug. 2, 1938
218	TARPON.....SS175	do.....	4,321,500	do.....	Aug. 3, 1933

¹ Date assigned to yard.² Beginning of construction period.

SUBMARINES (SS).

Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
Oct. 14, 1943	Feb. 5, 1944	-----	-----	May 9, 1944	SEGUNDO.....	195
Mar. 8, 1944	June 6, 1944	-----	-----	Aug. 22, 1944	SENNET.....	196
Oct. 24, 1941	Apr. 15, 1942	-----	-----	June 12, 1942	SHAD.....	197
Nov. 4, 1940	Aug. 26, 1941	-----	-----	Dec. 15, 1941	SILVERSIDES.....	198
Jan. 3, 1945	-----	-----	-----	-----	SIRAGO.....	199
Aug. 1, 1942	Mar. 4, 1943	-----	-----	Apr. 15, 1943	SKATE.....	200
July 22, 1936	Oct. 23, 1937	June 19, 1938	June 30, 1938	June 30, 1938	SKIPJACK.....	201
July 23, 1936	Aug. 24, 1937	Mar. 1, 1938	-----	Dec. 15, 1937	SNAPPER.....	202
Apr. 17, 1942	Aug. 15, 1942	-----	-----	Oct. 24, 1942	SNOOK.....	203
May 27, 1943	Jan. 8, 1944	-----	-----	Mar. 9, 1944	SPADEFISH.....	204
Sept. 9, 1937	Oct. 29, 1938	Sept. 4, 1939	-----	July 17, 1939	SPEARFISH.....	205
Jan. 29, 1944	Apr. 26, 1944	-----	-----	June 30, 1944	SPIKEFISH.....	206
-----	-----	-----	-----	-----	SPINAX.....	207
Aug. 24, 1943	May 19, 1944	-----	-----	Aug. 3, 1944	SPOT.....	208
Oct. 30, 1943	Aug. 3, 1944	-----	-----	Oct. 18, 1944	SPRINGER.....	209
June 1, 1942	Sept. 11, 1942	-----	-----	Dec. 7, 1942	STEELHEAD.....	210
July 14, 1943	Oct. 27, 1943	-----	-----	Mar. 4, 1944	STERLET.....	211
Mar. 1, 1944	Jan. 1, 1945	-----	-----	Mar. 29, 1945	STICKLEBACK.....	212
Oct. 1, 1936	Oct. 6, 1937	June 1, 1938	-----	Mar. 15, 1938	STINGRAY.....	213
Oct. 27, 1936	Mar. 15, 1938	do.....	-----	June 25, 1938	STURGEON.....	214
Sept. 25, 1941	May 2, 1942	-----	-----	July 15, 1942	SUNFISH.....	215
Oct. 27, 1937	Apr. 1, 1939	Aug. 1, 1939	-----	July 22, 1939	SWORDFISH.....	216
Jan. 16, 1939	Dec. 20, 1939	Aug. 5, 1940	-----	June 3, 1940	TAMBOR.....	217
Dec. 22, 1933	Sept. 4, 1935	Nov. 3, 1935	Mar. 12, 1936	Mar. 12, 1936	TARPON.....	218

SUBMARINES (SS).

	Name and official number	Length over all	Ex- treme beam	Stand- ard dis- place- ment	Trial speed surface		Sub- merged dis- place- ment ²	Fuel capacity	
					Normal condi- tion diving trim	Emer- gency condi- tion diving trim		Normal load	Emer- gency load
219	TAUTOG.....SS199	<i>Ft. In.</i> 307 3	<i>Ft. In.</i> 27 3	Tons 1,475	<i>Knots</i> 21.1	Tons 2,370	Gals. 54,000	Gals. 113,000	
220	TENCH.....SS417	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
221	THORNBAC.....SS418	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
222	THREADFIN.....SS410	311 8	27 3	1,525	³ 20.25	2,415	54,000	116,000	
223	THRESHER.....SS200	307 3	27 3	1,475	21.1	2,370	54,000	113,000	
224	TIGRONE.....SS419	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
225	TELEFISH.....SS307	311 8	27 3	1,525	³ 20.25	2,415	54,000	116,000	
226	TINOSA.....SS283	311 8	27 3	1,525	³ 20.25	2,415	54,000	116,000	
227	TIRANTE.....SS420	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
228	TIRU.....SS416	311 8	27 3	1,525	³ 20.25	2,415	54,000	116,000	
229	TORO.....SS422	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
230	TORSK.....SS423	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
231	TREPANG.....SS412	311 8	27 3	1,525	³ 20.25	2,415	54,000	116,000	
232	TRIGGER.....SS237	311 8	27 3	1,525	³ 20.25	2,415	54,000	116,000	
233	TRUMPETFISH.....SS425	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
234	TRUTTA.....SS421	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
235	TUNA.....SS203	307 3	27 3	1,475	20.8	2,360	54,000	113,000	
236	TUNNY.....SS282	311 8	27 3	1,525	³ 20.25	2,415	54,000	116,000	
237	TURBOT.....SS427	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
238	TUSK.....SS426	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
239	ULUA.....SS428	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
240	UNICORN.....SS436	311 9	27 3	1,570	³ 20.25	2,415	60,000	113,000	
241	VOLADOR.....SS490	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
242	WAHOO.....SS516	311 8	27 3	1,570	³ 20.25	2,415	60,000	113,000	
243	WALRUS.....SS437	311 9	27 3	1,570	³ 20.25	2,415	60,000	113,000	

² Estimated.³ Designed speed.

SUBMARINES (SS).

Surface condition diving trim				Total accommo- dations ¹		Armament			Official number
At normal displacement		At emergency displacement		Offi- cers	En- listed	Main	40 mm AA mounts	Num- ber of tor- pedo tubes	
Dis- place- ment	Mean draft	Dis- place- ment	Mean draft						
<i>Tons</i> 1,770	<i>Ft. In.</i> 15 2	<i>Tons</i> 1,990	<i>Ft. In.</i> 16 9	10	69	1 5", 25 cal. S. P.....	1 sgl.....	10	SS199... 219
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS417... 220
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS418... 221
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.....	1 sgl. ² ...	10	SS410... 222
1,770	15 2	1,990	16 9	10	69	1 5", 25 cal. S. P.....	1 sgl. ² ...	10	SS200... 223
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P.....	1 sgl.....	10	SS419... 234
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.....	10	SS307... 225
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.....	10	SS283... 226
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS420... 227
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS416... 228
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS422... 229
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS423... 230
1,810	15 3	2,050	16 10	10	71	1 5", 25 cal. S. P.....	1 sgl. ² ...	10	SS412... 231
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.....	10	SS237... 232
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS425... 233
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P.....	1 sgl.....	10	SS421... 234
1,760	15 2	1,980	16 8	10	69	1 5", 25 cal. S. P.....	1 sgl. ² ...	10	SS203... 235
1,810	15 3	2,050	16 10	10	70	1 5", 25 cal. S. P. ²	1 sgl.....	10	SS282... 236
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS427... 237
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS426... 238
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS428... 239
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS436... 240
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS490... 241
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS516... 242
1,845	15 5	1,990	16 5	10	71	1 5", 25 cal. S. P. ²	1 sgl. ² ...	10	SS437... 243

¹ Approximate.² Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines		Shaft horsepower	Main generators	
				Number	Manufacturer and model		Number	Manufacturer
219	TAUTOG.....SS199	2	DERD.....	4	G. M. 16-248..	5,400	4	G. E.....
220	TENCH.....SS417	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
221	THORNACK.....SS418	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
222	THREADFIN.....SS410	2	DEDD.....	4	F. M. 38D8½.	5,400	4	Elliott....
223	THRESHER.....SS200	2	DERD.....	4	G. M. 16-248..	5,400	4	G. E.....
224	TIGRONE.....SS419	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
225	TILEFISH.....SS307	2	DERD.....	4	F. M. 38D8½.	5,400	4	Elliott....
226	TINOSA.....SS283	2	DERD.....	4	F. M. 38D8½.	5,400	4	G. E.....
227	TIRANTE.....SS420	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
228	TIRU.....SS416	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
229	TORO.....SS422	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
230	TORSK.....SS423	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
231	TREPANG.....SS412	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
232	TRIGGER.....SS237	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
233	TRUMPETFISH.....SS425	2	DEDD.....	4	F. M. 38D8½.	5,400	4	Elliott....
234	TRUTTA.....SS421	2	DEDD.....	4	F. M. 38D8½.	5,400	4	G. E.....
235	TUNA.....SS203	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
236	TUNNY.....SS282	2	DERD.....	4	F. M. 38D8½.	5,400	4	do.....
237	TURROT.....SS427	2	DEDD.....	4	F. M. 38D8½.	5,400	4	Elliott....
238	TUSK.....SS426	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
239	ULUA.....SS428	2	DEDD.....	4	F. M. 38D8½.	5,400	4	do.....
240	UNICORN.....SS436	2	DEDD.....	4	G. M. 16-278A.	5,400	4	G. E.....
241	VOLADOR.....SS490	2	DEDD.....	4	F. M. 38D8½.	5,400	4	Elliott....
242	WAHOO.....SS516	2	DEDD.....	4	F. M. 38D8½.	5,400	4	Westgh...
243	WALRUS.....SS437	2	DEDD.....	4	G. M. 16-278A.	5,400	4	G. E.....

SUBMARINES (SS.)

Number	Manufacturer	Main reduction gears		Storage batteries			Auxiliary generators				
		Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)	
2	G. E.....	Sgl.....	G. E.....	2	126	Exide...	VLA 47B...	1	Kw. 300	260-345	219
2	do.....	do.....	None.....	2	126	Gould...	OWTX 49B.	1	300	260-345	220
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	221
4	Elliott....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	222
2	G. E.....	Sgl.....	G. E.....	2	126	Exide...	VLA 47B...	1	300	260-345	223
2	do.....	do.....	None.....	2	126	Gould...	OWTX 49B.	1	300	260-345	224
4	Elliott....	Sgl.....	Westgh...	2	126	Exide...	VLA 47B...	1	300	260-345	225
4	G. E.....	do.....	G. E.....	2	126	do.....	do.....	1	300	260-345	226
2	do.....	do.....	None.....	2	126	Gould...	OWTX 49B.	1	300	260-345	227
4	do.....	Sgl.....	G. E.....	2	126	Exide...	VLA 47B...	1	300	260-345	228
2	do.....	do.....	None.....	2	126	Gould...	OWTX 49B.	1	300	260-345	229
2	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	230
4	do.....	Sgl.....	G. E.....	2	126	Exide...	VLA 47B...	1	300	260-345	231
4	do.....	do.....	do.....	2	126	do.....	do.....	1	100 300	260-345	232
4	Elliott....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	233
2	G. E.....	do.....	do.....	2	126	Gould...	OWTX 49B.	1	300	260-345	234
4	do.....	Sgl.....	F. B.....	2	126	Exide...	VLA 47B...	1	300	260-345	235
4	do.....	do.....	G. E.....	2	126	do.....	do.....	1	300	260-345	236
4	Elliott....	do.....	None.....	2	126	do.....	do.....	1	300	260-345	237
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	238
4	do.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	239
2	G. E.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	240
2	Elliott....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	241
2	Westgh...	do.....	do.....	2	126	do.....	do.....	1	300	260-345	242
2	G. E.....	do.....	do.....	2	126	do.....	do.....	1	300	260-345	243

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
219	TAUTOG.....SS199	Electric Boat Co., Groton, Conn.		Mar. 27, 1934	Aug. 2, 1938
220	TENCH.....SS417	Navy Yard, Portsmouth, N. H.	3,410,000	May 13, 1942	Feb. 22, 1943
221	THORNBACK.....SS418	do.....	3,410,000	do.....	do.....
222	THREADFIN.....SS410	do.....	3,310,000	do.....	June 8, 1942
223	THRESHER.....SS200	Electric Boat Co., Groton, Conn.	3,067,000	Mar. 27, 1934	Aug. 2, 1938
224	TIGRONE.....SS419	Navy Yard, Portsmouth, N. H.	3,410,000	May 13, 1942	Feb. 22, 1943
225	TILEFISH.....SS307	Navy Yard, Mare Island, Calif.	3,443,000	Dec. 23, 1941	Dec. 15, 1941
226	TINOSA.....SS283	do.....	3,440,000	July 19, 1940	Apr. 29, 1941
227	TIRANTE.....SS420	Navy Yard, Portsmouth, N. H.	3,410,000	May 13, 1942	Feb. 22, 1943
228	TIRU.....SS416	Navy Yard, Mare Island, Calif.	3,410,000	do.....	June 8, 1942
229	TORO.....SS422	Navy Yard, Portsmouth, N. H.	3,410,000	do.....	Feb. 22, 1943
230	TORSK.....SS423	do.....	3,410,000	do.....	do.....
231	TREPANG.....SS412	Navy Yard, Mare Island, Calif.	3,410,000	do.....	June 8, 1942
232	TRIGGER.....SS237	do.....	3,440,000	June 14, 1940	June 28, 1940
233	TRUMPETFISH.....SS425	Cramp S. B. Co., Philadelphia, Pa.	¹ 3,933,000	May 13, 1942	June 6, 1942
234	TRUTTA.....SS421	Navy Yard, Portsmouth, N. H.	3,410,000	do.....	Feb. 22, 1943
235	TUNA.....SS203	do.....	3,151,000	Mar. 27, 1934	Nov. 1, 1938
236	TUNNY.....SS282	Navy Yard, Mare Island, Calif.	3,440,000	July 19, 1940	Sept. 9, 1940
237	TURBOT.....SS427	Cramp S. B. Co., Philadelphia, Pa.	¹ 3,933,000	May 13, 1942	June 6, 1942
238	TUSK.....SS426	do.....	¹ 3,933,000	do.....	do.....
239	ULUA.....SS428	do.....	¹ 3,933,000	do.....	do.....
240	UNICORN.....SS436	Electric Boat Co., Groton, Conn.	3,297,000	July 19, 1940	² Oct. 23, 1944
241	VOLADOR.....SS490	Navy Yard, Portsmouth, N. H.	3,030,000	do.....	June 17, 1943
242	WAHOO.....SS516	Navy Yard, Mare Island, Calif.	3,030,000	do.....	do.....
243	WALRUS.....SS437	Electric Boat Co., Groton, Conn.	3,297,000	do.....	² Oct. 23, 1944

¹ Cost plus fixed fee (see "Notes and Definitions").² Date contract was amended to build SS435-437 inclusive in lieu of SS353-355 inclusive.

SUBMARINES (SS).

	Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
	Mar. 1, 1939	Jan. 27, 1940	Mar. 2, 1941		July 3, 1940	TAUTOG.....	219
	Apr. 1, 1944	July 7, 1944			Oct. 6, 1944	TENCH.....	220
	Apr. 5, 1944	do.....			Oct. 13, 1944	THORNBACK.....	221
	Mar. 18, 1944	June 26, 1944			Aug. 30, 1944	THREADFIN.....	222
	Apr. 27, 1939	Mar. 27, 1940	May 2, 1941		Aug. 27, 1940	THRESHER.....	223
	May 8, 1944	July 20, 1944			Oct. 25, 1944	TIGRONE.....	224
	Mar. 10, 1943	Oct. 25, 1943			Dec. 28, 1943	TILEFISH.....	225
	Feb. 21, 1942	Oct. 7, 1942			Jan. 15, 1943	TINOSA.....	226
	Apr. 28, 1944	Aug. 9, 1944			Nov. 6, 1944	TIRANTE.....	227
	Apr. 17, 1944					TIRU.....	228
	May 27, 1944	Aug. 23, 1944			Dec. 8, 1944	TORO.....	229
	June 7, 1944	Sept. 6, 1944			Dec. 16, 1944	TORSK.....	230
	June 25, 1943	Mar. 23, 1944			May 22, 1944	TREPANG.....	231
	Feb. 1, 1941	Oct. 22, 1941			Jan. 30, 1942	TRIGGER.....	232
	Aug. 23, 1943		June 30, 1944			TRUMPETFISH.....	233
	May 22, 1944	Aug. 18, 1944			Nov. 16, 1944	TRUTTA.....	234
	July 19, 1940	Oct. 2, 1940			Jan. 6, 1941	TUNA.....	235
	Nov. 10, 1941	June 30, 1942			Sept. 1, 1942	TUNNY.....	236
	Nov. 13, 1943		Aug. 6, 1944			TURROT.....	237
	Aug. 23, 1943		July 14, 1944			TUSK.....	238
	Nov. 13, 1943		Aug. 20, 1944			ULUA.....	239
	Apr. 25, 1945					UNICORN.....	240
						VOLADOR.....	241
	May 15, 1944					WAHOO.....	242
						WALRUS.....	243

SUBMARINES (SS).

	Name and official number	Length over all	Ex-treme beam	Stand-ard dis-placement	Trial speed surface		Sub-merged dis-placement	Fuel capacity	
					Normal condition diving trim	Emer-gency condition diving trim		Nor-mal load	Emer-gency load
244	WHALE.....SS239	<i>Ft. In.</i> 311 8	<i>Ft. In.</i> 27 3	<i>Tons</i> 1,525	<i>Knots</i> 20.25	<i>Tons</i> 2,415	<i>Gals.</i> 54,000	<i>Gals.</i> 116,000	
245	O-2.....SS63	172 6	17 11	1 500	14.6	650	10,000	21,000	
246	O-3.....SS64	172 6	17 11	1 500	14.6	650	10,000	21,000	
247	O-4.....SS65	172 6	17 11	1 500	14.6	650	10,000	21,000	
248	O-6.....SS67	172 6	17 11	1 500	14.6	650	10,000	21,000	
249	O-7.....SS68	172 6	17 11	1 500	14.6	650	10,000	21,000	
250	O-8.....SS69	172 6	17 11	1 500	14.6	650	10,000	21,000	
251	O-10.....SS71	172 6	17 11	1 500	14.6	650	10,000	21,000	
252	R-1.....SS78	186 3	18 0	1 540	14.7	695	10,000	19,000	
253	R-2.....SS79	186 3	18 0	1 540	14.7	695	10,000	19,000	
254	R-4.....SS81	186 3	18 0	1 540	14.7	695	10,000	19,000	
255	R-5.....SS82	186 3	18 0	1 540	14.7	695	10,000	19,000	
256	R-6.....SS83	186 3	18 0	1 540	14.7	695	10,000	19,000	
257	R-7.....SS84	186 3	18 0	1 540	14.7	695	10,000	19,000	
258	R-9.....SS86	186 3	18 0	1 540	14.7	695	10,000	19,000	
259	R-10.....SS87	186 3	18 0	1 540	14.7	695	10,000	19,000	
260	R-11.....SS88	186 3	18 0	1 540	14.7	695	10,000	19,000	
261	R-13.....SS90	186 3	18 0	1 540	14.7	695	10,000	19,000	
262	R-14 ⁴.....SS91	186 3	18 0	1 540	14.7	695	10,000	19,000	
263	R-15.....SS92	186 3	18 0	1 540	14.7	695	10,000	19,000	
264	R-16.....SS93	186 3	18 0	1 540	14.7	695	10,000	19,000	
265	R-17.....SS94	186 3	18 0	1 540	14.7	695	10,000	19,000	
266	R-18.....SS95	186 3	18 0	1 540	14.7	695	10,000	19,000	
267	R-19.....SS96	186 3	18 0	1 540	14.7	695	10,000	19,000	
268	R-20.....SS97	186 3	18 0	1 540	14.7	695	10,000	19,000	
269	S-11 ⁴.....SS116	231 0	21 10	1 840	14.8	1,150	20,000	35,000	
270	S-12.....SS117	231 0	21 10	1 840	14.8	1,150	20,000	35,000	

¹ As built.² Estimated.³ Designed speed.⁴ SS91 and SS116 stricken May 19, 1945.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations		Armament			Official number
At normal displacement		At emergency displacement		Offi-cers	En-listed	Main	40-mm AA mounts	Number of tor-pedo tubes	
Dis-placement	Mean draft	Dis-placement	Mean draft						
<i>Tons</i> 1,810	<i>Ft. In.</i> 15 3	<i>Tons</i> 2,050	<i>Ft. In.</i> 16 10	1 10	1 70	1 5", .25 cal S. P. ²	1 Sgl. ²	10	SS239... 244
565	15 3	610	16 11	3	30	1 50 cal A. A. M. G....	None....	4	SS63... 245
565	15 3	610	16 11	3	30	1 50 cal A. A. M. G....	None....	4	SS64... 246
565	15 3	610	16 11	3	30	1 50 cal A. A. M. G....	None....	4	SS65... 247
565	15 3	610	16 11	3	30	1 50 cal A. A. M. G....	None....	4	SS67... 248
565	15 3	610	16 11	3	30	1 50 cal A. A. M. G....	None....	4	SS68... 249
565	15 3	610	16 11	3	30	1 50 cal A. A. M. G....	None....	4	SS69... 250
565	15 3	610	16 11	3	30	1 50 cal A. A. M. G....	None....	4	SS71... 251
610	15 4	645	16 7	4	30	None.....	None....	4	SS78... 252
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS79... 253
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS81... 254
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS82... 255
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS83... 256
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS84... 257
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS86... 258
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS87... 259
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS88... 260
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS90... 261
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS91... 262
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS92... 263
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS93... 264
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS94... 265
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS95... 266
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS96... 267
610	15 4	645	16 7	4	30	1 3", 50 cal.....	None....	4	SS97... 268
950	13 10	1,015	14 9	4	40	1 4", 50 cal.....	None....	5	SS116... 269
950	13 10	1,015	14 9	4	40	1 4", 50 cal.....	None....	5	SS117... 270

¹ Approximate.² Ultimate authorized armament.

SUBMARINES (SS).

	Name and official number	Number of propellers	Type of drive	Main engines			Main generators	
				Number	Manufacturer and model	Shaft horsepower	Number	Manufacturer
244	WHALE.....SS239	2	DERD....	4	F. M. 38D8½	5,400	4	G. E.....
245	O-2.....SS63	2	DD.....	2	New London S. & E. Co.	880		(1).....
246	O-3.....SS64	2	DD.....	2	do.....	880		(1).....
247	O-4.....SS65	2	DD.....	2	do.....	880		(1).....
248	O-6.....SS67	2	DD.....	2	do.....	880		(1).....
249	O-7.....SS68	2	DD.....	2	do.....	880		(1).....
250	O-8.....SS69	2	DD.....	2	do.....	880		(1).....
251	O-10.....SS71	2	DD.....	2	do.....	880		(1).....
252	R-1.....SS78	2	DD.....	2	do.....	880		(1).....
253	R-2.....SS79	2	DD.....	2	do.....	880		(1).....
254	R-4.....SS81	2	DD.....	2	do.....	880		(1).....
255	R-5.....SS82	2	DD.....	2	do.....	880		(1).....
256	R-6.....SS83	2	DD.....	2	do.....	880		(1).....
257	R-7.....SS84	2	DD.....	2	do.....	880		(1).....
258	R-9.....SS86	2	DD.....	2	do.....	880		(1).....
259	R-10.....SS87	2	DD.....	2	do.....	880		(1).....
260	R-11.....SS88	2	DD.....	2	do.....	880		(1).....
261	R-13.....SS90	2	DD.....	2	do.....	880		(1).....
262	R-14.....SS91	2	DD.....	2	do.....	880		(1).....
263	R-15.....SS92	2	DD.....	2	do.....	880		(1).....
264	R-16.....SS93	2	DD.....	2	do.....	880		(1).....
265	R-17.....SS94	2	DD.....	2	do.....	880		(1).....
266	R-18.....SS95	2	DD.....	2	do.....	880		(1).....
267	R-19.....SS96	2	DD.....	2	do.....	880		(1).....
268	R-20.....SS97	2	DL.....	2	do.....	880		(1).....
269	S-11.....SS116	2	DD.....	2	M. A. N. Govt.	2,000		(1).....
270	S-12.....SS117	2	DD.....	2	do.....	2,000		(1).....

¹ Same unit as main motor.

SUBMARINES (SS).

	Main motors		Main reduction gears		Storage batteries			Auxiliary generators ¹				
	Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)	
4	G. E.....	Sgl.....	G. E.....		2	126	Exide...	VLA 47B...	1	Kw. 300	260-345	244
2	N. Y. K.....		None.....		2	60	do.....	WL 31.....		None	None	245
2	E. D.....		do.....		2	60	do.....	do.....		None	None	246
2	do.....		do.....		2	60	do.....	do.....		None	None	247
2	do.....		do.....		2	60	do.....	do.....		None	None	248
2	do.....		do.....		2	60	do.....	do.....		None	None	249
2	do.....		do.....		2	60	do.....	do.....		None	None	250
2	do.....		do.....		2	60	do.....	do.....		None	None	251
2	do.....		do.....		2	60	Gould...	WLTX 37...		None	None	252
2	do.....		do.....		2	60	Exide...	W A 33B...		None	None	253
2	do.....		do.....		2	60	do.....	do.....		None	None	254
2	do.....		do.....		2	60	do.....	do.....		None	None	255
2	do.....		do.....		2	60	do.....	W A 33...		None	None	256
2	do.....		do.....		2	60	do.....	do.....		None	None	257
2	do.....		do.....		2	60	Gould...	WLTX 35...		None	None	258
2	do.....		do.....		2	60	Exide...	W A 33B...		None	None	259
2	do.....		do.....		2	60	do.....	do.....		None	None	260
2	do.....		do.....		2	60	do.....	do.....		None	None	261
2	do.....		do.....		2	60	do.....	do.....		None	None	262
2	do.....		do.....		2	60	do.....	W A 33...		None	None	263
2	do.....		do.....		2	60	do.....	do.....		None	None	264
2	do.....		do.....		2	60	do.....	do.....		None	None	265
2	do.....		do.....		2	60	do.....	do.....		None	None	266
2	do.....		do.....		2	60	do.....	do.....		None	None	267
2	do.....		do.....		2	60	do.....	W A 33B...		None	None	268
2	Westgh.....		do.....		2	60	do.....	ULS 43...		None	None	269
2	do.....		do.....		2	60	do.....	do.....		None	None	270

¹ Driven by Diesel engines.

SUBMARINES (SS).

	Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
244	WHALE.....SS239	Navy Yard, Mare Island, Calif.	3,440,000	June 14, 1940	June 28, 1940
245	O-2.....SS63	Navy Yard, Puget Sound, Wash.		Mar. 3, 1915	Oct. 21, 1915 ¹
246	O-3.....SS64	Fore River S. B. Co., Quincy, Mass. ²		do	Jan. 3, 1916
247	O-4.....SS65	do		do	do
248	O-6.....SS67	do		do	do
249	O-7.....SS68	do		do	do
250	O-8.....SS69	do		do	do
251	O-10.....SS71	do		do	do
252	R-1.....SS78	do		Aug. 29, 1916	Jan. 8, 1917
253	R-2.....SS79	do		do	do
254	R-4.....SS81	do		do	do
255	R-5.....SS82	do		do	do
256	R-6.....SS83	do		do	do
257	R-7.....SS84	do		do	do
258	R-9.....SS86	do		do	do
259	R-10.....SS87	do		do	do
260	R-11.....SS88	do		do	do
261	R-13.....SS90	do		do	do
262	R-14.....SS91	do		do	do
263	R-15.....SS92	Union Iron Works, San Francisco, Calif. ²		do	do
264	R-16.....SS93	do		do	do
265	R-17.....SS94	do		do	do
266	R-18.....SS95	do		do	do
267	R-19.....SS96	do		do	do
268	R-20.....SS97	do		do	do
269	S-11.....SS116	Navy Yard, Portsmouth, N. H.		Mar. 4, 1917 ³	Mar. 16, 1917
270	S-12.....SS117	do		do ³	do

¹ Date assigned to yard.² Contractor, Electric Boat Co., New York.³ Together with act of Aug. 29, 1916.

SUBMARINES (SS).

Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name	
June 28, 1941	Mar. 14, 1942			June 1, 1942	WHALE.....	244
July 27, 1917	May 24, 1918			Oct. 19, 1918	O-2.....	245
Dec. 2, 1916	Sept. 29, 1917	Oct. 3, 1917	June 13, 1918	June 13, 1918	O-3.....	246
Dec. 4, 1916	Oct. 20, 1917	Nov. 3, 1917	May 29, 1918	May 28, 1918	O-4.....	247
Dec. 6, 1916	Nov. 25, 1917	Dec. 3, 1917	June 11, 1918	June 12, 1918	O-6.....	248
Feb. 14, 1917	Dec. 16, 1917	do	July 4, 1918	July 4, 1918	O-7.....	249
Feb. 27, 1917	Dec. 31, 1917	Jan. 3, 1918	July 11, 1918	July 11, 1918	O-8.....	250
do	Feb. 21, 1918	Feb. 3, 1918	Aug. 17, 1918	Aug. 17, 1918	O-10.....	251
Oct. 16, 1917	Aug. 24, 1918	Mar. 8, 1919	Dec. 16, 1918	Dec. 16, 1918	R-1.....	252
do	Sept. 23, 1918	Mar. 23, 1919	Jan. 24, 1919	Jan. 24, 1919	R-2.....	253
do	Oct. 26, 1918	Apr. 8, 1919	Mar. 28, 1919	Mar. 28, 1919	R-4.....	254
do	Nov. 24, 1918	Apr. 23, 1919	Apr. 15, 1919	Apr. 15, 1919	R-5.....	255
Dec. 17, 1917	Mar. 1, 1919	May 23, 1919	May 1, 1919	May 1, 1919	R-6.....	256
Dec. 6, 1917	Apr. 5, 1919	June 8, 1919	June 12, 1919	June 12, 1919	R-7.....	257
Mar. 6, 1918	May 24, 1919	July 8, 1919	July 30, 1919	July 30, 1919	R-9.....	258
Mar. 21, 1918	June 28, 1919	July 23, 1919	Aug. 20, 1919	Aug. 20, 1919	R-10.....	259
Mar. 18, 1918	July 21, 1919	Aug. 8, 1919	Sept. 5, 1919	Sept. 5, 1919	R-11.....	260
Mar. 27, 1918	Aug. 27, 1919	Sept. 8, 1919	Oct. 17, 1919	Oct. 17, 1919	R-13.....	261
Nov. 6, 1918	Oct. 10, 1919	Sept. 23, 1919	Dec. 24, 1919	Dec. 24, 1919	R-14.....	262
Apr. 30, 1917	Dec. 10, 1917	Dec. 8, 1918	July 27, 1918	July 27, 1918	R-15.....	263
Apr. 26, 1917	Dec. 15, 1917	Dec. 23, 1918	Aug. 5, 1918	Aug. 5, 1918	R-16.....	264
May 5, 1917	Dec. 24, 1917	Jan. 8, 1919	Aug. 17, 1918	Aug. 17, 1918	R-17.....	265
June 16, 1917	Jan. 8, 1918	Jan. 23, 1919	Sept. 11, 1918	Sept. 11, 1918	R-18.....	266
June 23, 1917	Jan. 28, 1918	Feb. 8, 1919	Oct. 7, 1918	Oct. 8, 1918	R-19.....	267
June 4, 1917	Jan. 21, 1918	Feb. 22, 1919	Oct. 26, 1918	Oct. 26, 1918	R-20.....	268
Dec. 2, 1919	Feb. 7, 1921			Jan. 11, 1923	S-11.....	269
Jan. 8, 1920	Aug. 4, 1921			Apr. 30, 1923	S-12.....	270

SUBMARINES (SS).

	Name and official number	Length over all	Ex- treme beam	Stand- ard dis- place- ment ¹	Trial speed surface		Sub- merged dis- place- ment	Fuel capacity	
					Normal condi- tion diving trim	Emer- gency condi- tion diving trim		Nor- mal load	Emer- gency load
271	S-13 ².....SS118	<i>Ft. In.</i> 231 0	<i>Ft. In.</i> 21 10	<i>Tons</i> 840	<i>Knots</i> 14.8	-----	<i>Tons</i> 1,150	<i>Gals.</i> 20,000	<i>Gals.</i> 35,000
272	S-14.....SS119	231 0	21 10	840	14.8	-----	1,150	20,000	35,000
273	S-15.....SS120	231 0	21 10	840	14.8	-----	1,150	20,000	35,000
274	S-18.....SS123	219 4	20 6	850	13.5	-----	1,090	17,000	29,000
275	S-20.....SS125	222 6	24 0	890	11.3	-----	1,170	14,000	27,000
276	S-21.....SS126	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
277	S-22.....SS127	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
278	S-23.....SS128	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
279	S-30.....SS135	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
280	S-31.....SS136	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
281	S-32.....SS137	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
282	S-33.....SS138	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
283	S-34.....SS139	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
284	S-35.....SS140	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
285	S-40.....SS145	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
286	S-41.....SS146	219 3	20 6	850	13.5	-----	1,090	17,000	29,000
287	S-42.....SS153	225 4	20 11	870	14.3	-----	1,135	16,000	42,000
288	S-43.....SS154	225 4	20 11	870	14.3	-----	1,135	16,000	42,000
289	S-45.....SS156	225 4	20 11	870	14.3	-----	1,135	16,000	42,000
290	S-46.....SS157	225 4	20 11	870	14.3	-----	1,135	16,000	42,000
291	S-47.....SS158	225 4	20 11	870	14.3	-----	1,135	16,000	42,000
292	S-48.....SS159	267 0	21 6	1,010	14.2	-----	1,460	36,000	75,000

¹ As built.² S-13 SS118 stricken May 19, 1945.

SUBMARINES (SS).

Surface condition diving trim				Total accommodations		Armament			Official number
At normal displacement		At emergency displacement		Offi- cers	En- listed	Main	40 mm AA mounts	Num- ber of tor- pedo tubes	
Dis- place- ment	Mean draft	Dis- place- ment	Mean draft						
<i>Tons</i> 950	<i>Ft. In.</i> 13 10	<i>Tons</i> 1,015	<i>Ft. In.</i> 14 9	4	40	1 4", 50 cal.....	None...	5	SS118... 271
950	14 1	1,015	15 0	4	40	1 4", 50 cal.....	do....	4	SS119... 272
950	14 1	1,015	15 0	4	40	1 4", 50 cal.....	do....	4	SS120... 273
930	17 1	980	18 4	5	45	None.....	1 Sgl....	4	SS123... 274
930	17 1	980	18 4	5	45	1 4", 50 cal.....	None....	4	SS125... 275
930	17 1	980	18 4	5	45	1 4", 50 cal.....	do....	4	SS126... 276
930	17 1	980	18 4	5	45	1 4", 50 cal.....	do....	4	SS127... 277
930	17 1	980	18 4	5	45	1 3", 50 cal. D. P.....	do....	4	SS128... 278
930	17 1	980	18 4	5	45	1 3", 50 cal. D. P.....	do....	4	SS135... 279
930	17 1	980	18 4	5	45	1 3", 50 cal. D. P.....	do....	4	SS136... 280
930	17 1	980	18 4	5	45	1 3", 50 cal. D. P.....	do....	4	SS137... 281
930	17 1	980	18 4	5	45	1 3", 50 cal. D. P.....	do....	4	SS138... 282
930	17 1	980	18 4	5	45	1 3", 50 cal. D. P.....	do....	4	SS139... 283
930	17 1	980	18 4	5	45	1 4", 50 cal.....	do....	4	SS140... 284
930	17 1	980	18 4	5	45	1 3", 50 cal. D. P.....	do....	4	SS145... 285
930	17 1	980	18 4	5	45	1 4", 50 cal.....	do....	4	SS146... 286
975	17 2	1,075	19 5	5	46	1 3", 50 cal. S. P.....	do....	4	SS153... 287
975	17 2	1,075	19 5	5	46	1 3", 50 cal. D. P.....	do....	4	SS154... 288
975	17 2	1,075	19 5	5	46	1 3", 50 cal. D. P.....	do....	4	SS156... 289
975	17 2	1,075	19 5	5	46	1 3", 50 cal. S. P.....	do....	4	SS157... 290
975	17 2	1,075	19 5	5	46	1 4", 50 cal. D. P.....	do....	4	SS158... 291
1,180	12 7	1,340	14 5	5	46	1 4", 50 cal.....	do....	5	SS159... 292

SUBMARINES (SS).

	Name and official number	Number of pro-pellers	Type of drive	Main engines			Main generators	
				Number	Manufacturer and model	Shaft horse-power	Number	Manufacturer
271	S-13.....SS118	2	DD.....	2	M.A.N. Govt.	2,000		(1)
272	S-14.....SS119	2	DD.....	2	do.....	2,000		(1)
273	S-15.....SS120	2	DD.....	2	do.....	2,000		(1)
274	S-18.....SS123	2	DD.....	2	Nelseco	1,200		(1)
275	S-20.....SS125	2	DD.....	2	{1 Nelseco..... 1 C. B.....}	1,200		(1)
276	S-21.....SS126	2	DD.....	2	do.....	1,200		(1)
277	S-22.....SS127	2	DD.....	2	do.....	1,200		(1)
278	S-23.....SS128	2	DD.....	2	Nelseco	1,200		(1)
279	S-30.....SS135	2	DD.....	2	do.....	1,200		(1)
280	S-31.....SS136	2	DD.....	2	do.....	1,200		(1)
281	S-32.....SS137	2	DD.....	2	do.....	1,200		(1)
282	S-33.....SS138	2	DD.....	2	do.....	1,200		(1)
283	S-34.....SS139	2	DD.....	2	do.....	1,200		(1)
284	S-35.....SS140	2	DD.....	2	do.....	1,200		(1)
285	S-40.....SS145	2	DD.....	2	do.....	1,200		(1)
286	S-41.....SS146	2	DD.....	2	do.....	1,200		(1)
287	S-42.....SS153	2	DD.....	2	do.....	1,200		(1)
288	S-43.....SS154	2	DD.....	2	do.....	1,200		(1)
289	S-45.....SS156	2	DD.....	2	do.....	1,200		(1)
290	S-46.....SS157	2	DD.....	2	do.....	1,200		(1)
291	S-47.....SS158	2	DD.....	2	do.....	1,200		(1)
292	S-48.....SS159	2	DD.....	2	M.A.N. Govt.	2,000		(1)

¹ Same unit as main motor.

SUBMARINES (SS).

Main motors		Main reduction gears		Storage batteries			Auxiliary generators			
Number	Manufacturer	Type	Manufacturer	Number	No. of cells per battery	Manufacturer	Type	Number	Capacity each	Voltage (D. C.)
2	Westgh.....		None.....	2	60	Gould...	ULTX 49...		Kw. None	271
2	do.....		do.....	2	60	Exide...	ULS 43.....		None	272
2	do.....		do.....	2	60	Gould...	ULTX 47.....		None	273
2	Ridgeway.....		do.....	2	60	do.....	ULTX 53.....		None	274
2	do.....		do.....	2	60	Exide...	ULS 49B.....		None	275
2	do.....		do.....	2	60	do.....	ULS 49.....		None	276
2	do.....		do.....	2	60	Gould...	ULTX 53.....		None	277
2	do.....		do.....	2	60	do.....	ULTX 55.....		None	278
2	E. D.....		do.....	2	60	do.....	do.....		None	279
2	do.....		do.....	2	60	Exide...	ULS 49.....		None	280
2	do.....		do.....	2	60	do.....	ULS 49B.....		None	281
2	do.....		do.....	2	60	do.....	do.....		None	282
2	do.....		do.....	2	60	do.....	do.....		None	283
2	do.....		do.....	2	60	do.....	do.....		None	284
2	G. E.....		do.....	2	60	do.....	do.....		None	285
2	do.....		do.....	2	60	do.....	do.....		None	286
2	E. D.....		do.....	2	60	do.....	ULS 49.....		None	287
2	do.....		do.....	2	60	do.....	ULS 49B.....		None	288
2	do.....		do.....	2	60	do.....	do.....		None	289
2	do.....		do.....	2	60	do.....	do.....		None	290
2	do.....		do.....	2	60	do.....	ULS 49.....		None	291
2	Ridgeway.....		do.....	2	60	do.....	ULS 43.....		None	292

SUBMARINES (SS).

Name and official number	By whom and where built or building	Contract price of hull and machinery (dollars)	Date of act authorizing the building	Contract signed
S-13.....SS118	Navy Yard, Portsmouth, N. H.	-----	Mar. 4, 1917 ¹	Mar. 16, 1917 ²
272 S-14.....SS119	Lake Torp. B. Co., Bridgeport, Conn. ⁵	-----	.....do. ¹ -----	July 12, 1917
273 S-15.....SS120	do	-----	.....do. ¹-----	.....do-----
274 S-18.....SS123	Beth. S. B. Corp., Quincy, Mass. ³	-----	.....do. ¹ -----	July 17, 1917
275 S-20.....SS125	do	-----	.....do. ¹-----	.....do-----
276 S-21.....SS126	do	-----	.....do. ¹-----	.....do-----
277 S-22.....SS127	do	-----	.....do-----	.....do-----
278 S-23.....SS128	do	-----	.....do-----	.....do-----
279 S-30.....SS135	Beth. S. B. Corp., San Francisco, Calif. ³	-----	.....do-----	.....do-----
280 S-31.....SS136	do	-----	.....do-----	.....do-----
281 S-32.....SS137	do	-----	.....do-----	.....do-----
282 S-33.....SS138	do	-----	.....do-----	.....do-----
283 S-34.....SS139	do	-----	.....do-----	.....do-----
284 S-35.....SS140	do	-----	.....do-----	.....do-----
285 S-40.....SS145	do	-----	.....do-----	.....do-----
286 S-41.....SS146	do	-----	.....do-----	.....do-----
287 S-42.....SS153	Beth. S. B. Corp., Quincy, Mass. ³	-----	July 1, 1918 ¹	July 1, 1919 ⁴
288 S-43.....SS154	do	-----	.....do. ¹-----	.....do. ⁴ -----
289 S-45.....SS156	do	-----	.....do. ¹-----	.....do. ⁴ -----
290 S-46.....SS157	do	-----	.....do. ¹-----	.....do. ⁴ -----
291 S-47.....SS158	do	-----	.....do. ¹-----	.....do. ⁴ -----
292 S-48.....SS159	Lake Torp. B. Co., Bridgeport, Conn.	-----	.....do. ¹ -----	July 23, 1919 ⁴

¹ Together with act of Aug. 29, 1916.
² Date assigned to yard.
³ Contractor Electric Boat Co.
⁴ Order placed Aug. 1, 1918.
⁵ Bureau design.

SUBMARINES (SS).

Keel laid	Ship launched	Contract date of completion	Date of preliminary acceptance	Date of first commission	Name
Feb. 14, 1920	Oct. 20, 1921	-----	-----	July 14, 1923	S-13..... 271
Dec. 7, 1917	Oct. 22, 1919	July 12, 1919	Feb. 11, 1921	Feb. 11, 1921	S-14..... 272
Dec. 13, 1917	Mar. 8, 1920	Aug. 12, 1919	Jan. 15, 1921	Jan. 15, 1921	S-15..... 273
Aug. 15, 1918	Apr. 29, 1920	Feb. 17, 1919	Apr. 3, 1924	Apr. 3, 1924	S-18..... 274
.....do-----	June 9, 1920	Mar. 17, 1919	Nov. 22, 1922	Nov. 22, 1922	S-20..... 275
Dec. 19, 1918	Aug. 18, 1920	Apr. 17, 1919	Sept. 14, 1923	Sept. 14, 1923	S-21..... 276
Jan. 6, 1919	July 15, 1920	.....do-----	Jun. 23, 1924	Jun. 23, 1924	S-22..... 277
Jan. 18, 1919	Oct. 27, 1920	May 17, 1919	Oct. 30, 1923	Oct. 30, 1923	S-23..... 278
Apr. 1, 1918	Nov. 21, 1918	Nov. 17, 1918	Oct. 29, 1920	Oct. 29, 1920	S-30..... 279
Apr. 13, 1918	Dec. 28, 1918	Dec. 17, 1918	Mar. 8, 1923	Mar. 8, 1923	S-31..... 280
Apr. 12, 1918	Jan. 11, 1919	.....do-----	-----	Feb. 21, 1923	S-32..... 281
June 14, 1918	Dec. 5, 1918	Jan. 17, 1919	Dec. 21, 1922	Dec. 21, 1922	S-33..... 282
May 28, 1918	Feb. 13, 1919	.....do-----	Apr. 23, 1923	Apr. 23, 1923	S-34..... 283
June 14, 1918	Feb. 27, 1919	.....do-----	May 7, 1923	May 7, 1923	S-35..... 284
Mar. 5, 1919	Jan. 5, 1921	Mar. 17, 1919	Nov. 20, 1923	Nov. 20, 1923	S-40..... 285
Apr. 17, 1919	Feb. 21, 1921	.....do-----	Jan. 15, 1924	Jan. 15, 1924	S-41..... 286
Dec. 16, 1920	Apr. 30, 1923	Dec. 30, 1920	Nov. 20, 1924	Nov. 20, 1924	S-42..... 287
Dec. 13, 1920	Mar. 31, 1923	Jan. 30, 1923	Dec. 31, 1924	Dec. 31, 1924	S-43..... 288
Dec. 29, 1920	June 26, 1923	Mar. 31, 1923	Mar. 31, 1925	Mar. 31, 1925	S-45..... 289
Feb. 23, 1921	Sept. 11, 1923	Apr. 30, 1923	June 5, 1925	June 5, 1925	S-46..... 290
Feb. 26, 1921	Jan. 5, 1924	May 30, 1923	Sept. 16, 1925	Sept. 16, 1925	S-47..... 291
Oct. 22, 1920	Feb. 26, 1921	July 1, 1921	Oct. 14, 1922	Oct. 14, 1922	S-48..... 292