

APPENDIX I

Losses of Merchant Shipping

1. Allied and Neutral Merchant Vessels Lost by Submarine Attack,¹ Compared with U-Boats Built and Operating²

a. All Atlantic and Arctic Areas

	NUMBER OF SHIPS	GROSS TONS	DAILY AVERAGE OF U-BOATS AT SEA IN ATLANTIC	NEW U-BOATS CONSTRUCTED
<i>1942</i>				
January	46	270,348		20
February	72	427,733		18
March	88	507,502	47.7	19
April	65	388,182	48.8	23
May	120 [*]	586,149	61.1	20
June	115	603,402	59.2	23
July	83	425,864	69.6	18
August	102	526,329	86.4	20
September	88	454,548	99.7	17
October	88	585,510	105.4	23
November	106	636,907	94.9	17
December	54	287,730		26
<i>1943</i>				
January	29	181,767	91.5	18
February	50	312,004	116	19
March	95	567,401	116	23
April	44	276,790	111	23
May	41	211,929	118	22

¹ Figures from Fleet Operations Statistical Section, Navy Department.

² German U-boat Command (B.d.U.) War Diary; U. S. Strategic Bombing Survey, German Submarine Industry Report, Exhibit B-2.

^{*} Of these 40 were American, and this was the highest loss of U. S. merchant vessels by submarines in any one month. Of the 571 allied vessels sunk, Mar.-July, 1950 were American.

b. Other Areas⁴

	MEDITERRANEAN AND RED SEA		INDIAN OCEAN		NORTH, CENTRAL AND SOUTH PACIFIC		SOUTHWEST PACIFIC	
	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons
<i>1942</i>								
January	0	0	2	31,081	0	0	6	19,481
February	0	0	4	13,072	0	0	6	29,331
March	0	0	5	23,583	0	0	1	913
April	2	7,379	5	32,404	1	1,435	0	0
May	1	4,216	0	0	3	16,582	0	0
June	6	10,348	15	69,366	1	3,286	3	13,692
July	3	5,885	4	17,050	2	11,949	3	15,301
August	3	12,321	1	5,237	0	0	2	523
September	3	774	6	30,052	0	0	0	0
October	0	0	3	15,103	2	13,691	0	0
November	5	44,527	5	30,446	0	0	0	0
December	4	33,981	4	22,161	0	0	0	0
<i>* 1943</i>								
January	4	12,049	0	0	1	7,176	1	2,051
February	9	27,973	0	0	2	7,363	2	11,988
March	11	45,667	2	14,309	0	0	0	0
April	5	13,934	1	5,047	1	7,176	5	24,996
May	1	5,979	3	13,472	3	28,113	2	5,359

2. Allied and Neutral Merchant Vessels Lost by Other Causes in All Parts of the World

	AIRCRAFT		SURFACE SHIPS		ENEMY MINES		OTHER OR UNKNOWN ENEMY ACTION		MARINE CASUALTY	
	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons
<i>1942</i>										
January	15	50,786	1	3,275	11	10,079	9	19,920	48	103,663
February	29	138,498	1	983	2	7,242	17	36,640	18	53,006
March	12	48,501	9	21,521	5	16,862	105	168,980 ⁵	32	53,778
April	16	82,273	25	131,188	8	14,934	3	6,237	18	28,219
May	13	58,995	3	19,363	5	18,786	2	312	15	26,075
June	11	54,769	7	48,474	6	19,930	1	242	14	32,535
July	18	74,313	11	54,358	2	8,905	0	0	26	81,937
August	6	60,532	8	59,432	0	0	0	0	15	21,744
September	12	57,526	4	24,388	0	0	0	0	30	38,747

⁴ Also two ships of 6,447 tons Jan. 1942 and two ships of 8,256 tons Apr. 1942; place of sinking unknown.

⁵ This heavy loss occurred almost entirely in the Southwest Pacific, and includes Allied vessels scuttled or captured in the abandonment of Malaya and the Dutch East Indies.

	AIRCRAFT		SURFACE SHIPS		ENEMY MINES		OTHER OR UNKNOWN ENEMY ACTION		MARINE CASUALTY	
	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons	No.	Gr. Tons
<i>1942</i>										
October	1	5,683	3	7,576	2	5,114	0	0	22	58,190
November	7	61,793	5	10,484	1	992	0	0	28	56,715
December	2	4,156	8	19,352	3	344	0	0	36	65,657
<i>1943</i>										
January	5	25,503	0	0	5	18,745	0	0	46	110,512
February	1	75	1	4,858	7	34,153	0	0	27	27,388
March	9	61,806	0	0	1	868	0	0	29	77,580
April	1	2,996	1	1,742	4	11,956	0	0	15	33,286
May	5	20,942	0	0	1	1,568	2	12,066	14	29,503

3. Allied and Neutral Merchant Vessel Gross Tonnage Lost Monthly

	BY SUBMARINE		BY ALL OTHER CAUSES (AIR ATTACK, WEATHER, ETC.)		TOTAL	
	ATLANTIC-ARCTIC	OTHER AREAS	ATLANTIC-ARCTIC	OTHER AREAS		
<i>1942</i>						
January		270,348		57,009	194,023	521,380
February		427,733		42,403	236,369	706,505
March		511,552		20,446	309,642	841,640
April		388,182		49,474	263,301	700,957
May		586,149		21,098	125,531	730,778
June		603,402		96,692	155,950	856,044
July		425,864		50,185	219,513	695,562
August		526,329		18,081	141,937	686,347
September		454,548		30,826	120,661	606,035
October		585,510		28,794	76,563	690,867
November		636,907		74,973	151,820	863,700
December		287,730		56,142	89,571	433,443
<i>Grand Total</i>				8,333,258		
<i>Monthly Average</i>				694,438		
<i>1943</i>						
January		181,767		21,276	161,703	364,746
February		312,004		47,324	71,122	430,450
March		567,401		59,976	140,254	767,631
April		276,790		51,153	49,980	377,923
May		211,929		52,923	64,079	328,931
<i>Grand Total</i>				2,269,681		
<i>Monthly Average</i>				453,936		

4. Atlantic Areas of Most Severe Losses by Submarine Attack⁶

		SHIPS	GROSS TONNAGE
<i>1942</i>			
January	1. Eastern Sea Frontier	14	95,670
	2. Canadian Coastal Zone	12	49,866
	3. North Atlantic Convoy Areas ⁷	10	62,731
	4. Bermuda Area	9	56,608
February	1. Eastern Sea Frontier	17	102,846
	2. Caribbean Sea Frontier, West	19	88,679
	3. North Atlantic Convoy Areas	12	78,105
	4. Bermuda Area	9	58,663
March	1. Eastern Sea Frontier	28	159,340
	2. Bermuda Area	19	109,216
	3. Caribbean Sea Frontier, West	12	66,100
	4. Freetown Area	9	52,857
	5. Caribbean Sea Frontier, East	7	50,133
April	1. Eastern Sea Frontier	23	133,184
	2. Bermuda Area	18	112,442
	3. Caribbean Sea Frontier, West	11	67,928
May	1. Gulf Sea Frontier	41	219,867
	2. Caribbean Sea Frontier, West	30	130,106
	3. Bermuda Area	15	83,082
	4. North Atlantic Convoy Areas	8	42,475
	5. Caribbean Sea Frontier, East	8	37,021
	6. Canadian Coastal Zone	6	22,613
	7. Eastern Sea Frontier	5	23,326
June	1. Caribbean Sea Frontier, West	25	146,489
	2. Gulf Sea Frontier	21	91,277
	3. Bermuda Area	14	77,579
	4. North Atlantic Convoy Areas	14	63,371
	5. Eastern Sea Frontier	13	73,585
	6. Panama Sea Frontier (Atlantic)	13	63,061
	7. Caribbean Sea Frontier, East	10	64,288
July	1. Azores and Freetown Area	17	121,424
	2. Caribbean Sea Frontier, West	17	72,134
	3. Gulf Sea Frontier	16	65,924
	4. Barents Sea	10	62,058
	5. Canadian Coastal Zone	7	21,664

⁶ Figures from Fleet Operations Statistical Section, Navy Dept., dated July 1, 1945. With two exceptions, I have included only areas with seven or more sinkings per month.

⁷ Includes a part of the North Russia convoy route, but few of its casualty figure here because the majority of them were caused by air attack.

		SHIPS	GROSS TONS
1942			
August	1. Caribbean Sea Frontier, West	33	167,404
	2. North Atlantic Convoy Areas ^a	25	130,089
	3. Azores and Freetown Area	13	86,338
	4. Caribbean Sea Frontier, East	13	75,401
	5. Brazilian Area	7	18,132
September	1. North Atlantic Convoy Areas	28	151,411
	2. Caribbean Sea Frontier, West	25	115,234
	3. Canadian Coastal Zone	10	38,615
October	1. North Atlantic Convoy Areas	26	184,843
	2. Southeast Atlantic	25	181,240
	3. Gibraltar-Morocco Area	11	72,300
	4. Caribbean Sea Frontier, West	8	26,918
	5. Caribbean Sea Frontier, East	7	41,251
November	1. North Atlantic Convoy Areas	29	163,247
	2. Southeast Atlantic	23	127,363
	3. Caribbean Sea Frontier, West	18	111,192
	4. Azores and Freetown Area	10	48,812
	5. Brazilian Area	9	58,858
	6. Caribbean Sea Frontier, East	7	38,940
December	1. North Atlantic Convoy Areas	23	122,368
	2. Brazilian Area	12	59,596
1943			
January	1. Azores and Freetown Area	11	80,047
February	1. North Atlantic Convoy Areas	36	227,109
March	1. North Atlantic Convoy Areas	49	295,970
	2. Southeast Atlantic	11	80,802
	3. Azores and Freetown Area	9	53,771
April	1. North Atlantic Convoy Areas	21	130,026
	2. Freetown Area	10	57,666
May	1. North Atlantic Convoy Areas	17	87,935
	2. Azores and Freetown Area	10	53,318
	3. Southeast Atlantic	7	41,105

^a Some northern transatlantic convoys suffered losses in the Canadian Coastal Zone, while some losses in North Atlantic Convoy Areas were suffered by south-bound traffic.

APPENDIX II

Monthly Sinkings of German and Italian Submarines¹

Figures in parentheses represent the Cominch-Admiralty assessments made during the war, when different from actual sinkings.

	Ger.	Ital.	KILLS BY U. S. FORCES
1942			
January	3	2	none
February	2	0 (1)	none
March	6 (4)	3	U-656 and U-503 by VP-82 on 1st and 2nd
April	3 (2)	0	U-85 by Roper on 14th
May	4 (5)	0	U-352 by Icarus on 9th
June	3 (5)	2	U-157 by Thetis on 13th
			U-158 by VP-74 on 30th
July	11 (9)	3	U-701 by Army Bombron 396 on 7th
			U-153 by Lansdowne, PC-458 and Bombron 59 on 13th
August	9 (12)	3 (5)	U-576 by VS-9 and S.S. Unicoi on 15th
			U-166 by Coast Guard Squadron 212 on 1st
			U-464 by VP-73 on 20th
September	10 (8)	1 (0)	U-654 by Army Bombron 45 on 22nd
			U-94 by VP-92 and H.M.C.S. Oakville on 28th
October	16 (13)	0	U-512 by Army Bombron 99 on 2nd
November	13 (14)	3 (1)	U-408 by VP-84 on 5th
December	5 (3)	4	Sciesa by Army plane on 7th
			U-611 by VP-84 on 10th
1943			
January	6 (4)	3	U-164 and U-507 by VP-83 on 6th and 13th
February	19 (13)	3	U-519 by Army A/Sron 2 on 10th
			U-225 by Spencer on 21st
			U-606 by Campbell and Polish Burza on 22nd
March	15 (10)	1 (0)	U-156 by VP-53 on 8th
			U-130 by Champlin on 12th
April	15 (16)	1	U-524 by Army A/Sron 1 on 22nd
			Archimede by VP-83 on 15th
			U-175 by Spencer on 17th
			U-174 by VB-125 on 27th

¹ "German, Japanese and Italian Submarine Losses, World War II," Navy Press Release 26 June 1946.