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COPY No 46

THE SECOND WORLD WAR

1939 - 1945

ROYAL AIR FORCE

NARRATIVE

THE R. A. F. IN MARITIME WAR

VOLUME VIII

STATISTICS

AIR HISTORICAL BRANCH (I)

AIR MINISTRY

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COPY No. 46

R.A.F. NARRATIVE

(~~Secret - Draft~~)

THE R.A.F. IN MARITIME WAR

VOLUME VIII

STATISTICS

THIS VOLUME MUST NOT BE REPRODUCED
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AIR HISTORICAL BRANCH (1)
AIR MINISTRY

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PART I

ENEMY-CONTROLLED SURFACE VESSEL LOSSES

IN THE WEST

Introduction

The following tables of enemy-controlled vessels lost from all causes during the Second World War relate to the Atlantic, Arctic, Home waters and the Baltic Sea. They have been compiled by the Air Ministry Historical Branch in co-operation with the Admiralty Foreign Documents Section and Lloyds Shipping Department.

A very large number of German sources have been examined which include German Naval War Staff Records, Naval Area and Port Command Records, and German Ship Owners Association Records. Lloyds Shipping Casualty Returns were not only a valuable cross-check but contained much information concerning the loss of vessels under various flags not specifically included in German Naval Records but carrying enemy cargoes or engaged on enemy business.

The losses have been further classified into warships, cargo vessels and fishing craft. Footnotes on these tables give more precise evaluations. A basic chronological list giving name, flag, tonnage, cause and position of loss is held at the Air Ministry Historical Branch.

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TABLE I

WARSHIPS

MONTHLY TOTALS OF ENEMY-CONTROLLED SURFACE WARSHIPS, DESTROYED, SURRENDERED, CONFISCATED OR CAPTURED

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

YEAR AND MONTH	MAJOR ACTION BY WESTERN ALLIES								OTHER CAUSES												GRAND TOTAL	
	NAVY		(2)		ALLIED AIR		Total		Scuttled and Sabotaged		Captured Surrendered and Confiscated		Shore-guns Enemy Mine- fields and Enemy Errors		Marine Casualties		Action by Russian Forces		Cause Unknown			
	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.
1939																						
October	-	-	1	-	361	-	-	1	361	-	-	-	-	2	1,176	-	-	-	-	-	3	1,537
November	1	428	-	-	-	-	-	1	428	-	-	-	-	1	690	-	-	-	-	-	2	1,078
December	1	650	-	-	-	1	298	2	948	-	-	-	-	1	450	1	256	-	-	-	4	1,654
1940																						
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	90	-	-	-	1	90
February	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6,356	-	-	-	-	-	2	6,356
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	18	46,473	2	-	873	1	8,200	21	55,546	-	-	1	433	2	21,587	2	994	-	-	-	26	78,560
May	-	-	3	(2)	806	515	1	750	4	1,556	-	-	-	-	-	-	-	-	-	-	4	1,556
June	1	295	5	(3)	2,524	(1,024)	-	-	6	2,819	-	-	-	-	-	-	-	-	-	-	6	2,819
July	2	3,033	5	(4)	2,696	(2,340)	-	-	7	5,729	-	-	-	-	-	-	-	-	-	-	7	5,729
August	-	-	2	(2)	678	(678)	-	-	2	678	-	-	-	-	-	-	-	-	-	-	2	678
September	1	1,280	6	(6)	6,788	(6,788)	4	2,019	11	10,087	-	-	-	-	-	3	856	-	-	-	14	10,943
October	3	2,896	1	(1)	90	(90)	-	-	4	2,986	-	-	-	-	-	-	-	-	-	-	4	2,986
November	1	90	1	-	1,132	-	-	-	2	1,222	-	-	-	-	-	1	125	-	-	-	3	1,347
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	354	-	-	-	1	354
1941																						
January	-	-	3	(3)	3,278	(3,278)	-	-	3	3,278	-	-	-	-	-	-	-	-	-	-	3	3,278
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	2	7,612	-	-	-	-	-	2	7,612	-	-	-	-	-	-	-	-	-	-	-	2	7,612
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	2	53,107	1	-	142	-	3	1,570	6	54,819	-	1	306	-	-	2	339	-	-	-	8	55,225
June	1	344	-	-	-	-	-	-	1	344	-	-	-	-	-	1	100	-	-	-	2	444
July	1	354	2	(2)	262	(262)	1	247	4	863	-	-	-	-	-	2	400	2	180	-	5	924
August	-	-	1	(1)	10	(10)	1	60	2	70	-	-	-	-	-	2	510	4	788	-	10	2,161
September	2	1,710	1	(1)	120	(120)	4	84	7	2,671	-	-	-	-	-	-	-	-	-	-	2	70
October	-	-	1	(1)	750	(750)	1	277	2	1,027	-	-	-	-	-	1	151	7	6,405	-	15	9,227
November	2	770	2	(2)	883	(883)	4	711	8	2,364	-	-	-	-	-	3	412	3	890	-	8	2,329
December	2	473	1	(1)	750	(750)	1	500	4	1,723	1	163	-	-	-	3	150	-	-	-	11	2,514
1942																						
January	-	-	1	(1)	3,178	(3,178)	1	353	2	3,531	-	-	-	-	-	-	-	-	-	-	2	3,531
February	1	90	2	(2)	1,450	(1,450)	2	518	5	2,058	-	-	-	-	-	1	90	1	500	-	7	2,648
March	3	7,247	3	(3)	835	(835)	-	-	6	8,082	-	-	-	-	-	2	359	1	127	-	9	8,568
April	-	-	2	(2)	625	(625)	2	345	4	970	-	-	-	-	-	2	164	-	-	-	6	1,134
May	3	8,352	5	(5)	3,616	(3,616)	6	3,749	14	15,717	-	-	-	-	-	3	1,782	-	-	-	17	17,499
June	2	142	2	(2)	524	(524)	1	137	5	805	-	-	-	-	-	1	341	-	-	-	6	1,144
July	2	860	2	(2)	1,417	(1,417)	4	1,714	8	3,991	-	-	-	-	-	1	168	2	500	-	11	4,659
August	3	3,459	4	(3)	2,993	(2,993)	3	2,767	10	9,683	-	-	-	-	-	3	424	2	444	-	15	10,551
September	-	-	6	(5)	2,302	(2,302)	-	-	6	2,302	-	-	-	-	-	3	208	1	90	-	10	2,600
October	2	3,552	11	(9)	8,325	(8,101)	-	-	13	11,877	-	-	-	-	-	3	377	1	487	-	17	12,741
November	-	-	9	(9)	3,042	(3,042)	1	449	10	3,491	-	-	-	-	-	6	2,258	2	773	-	18	6,522
December	3	4,801	2	(2)	1,862	(1,862)	-	-	5	6,663	-	-	-	-	-	4	837	3	858	-	12	8,358
1943																						
January	1	162	3	(3)	865	(865)	3	832	7	1,859	-	-	-	-	-	10	2,407	-	-	-	17	4,266
February	2	534	4	(4)	1,263	(1,263)	-	-	6	1,797	-	-	-	-	-	3	2,992	3	1,512	-	12	3,501
March	2	613	3	(3)	666	(666)	4	439	9	1,718	-	-	-	-	-	2	240	-	-	-	11	1,958
April	4	1,074	2	(2)	4,094	(4,094)	4	1,013	10	6,181	-	-	-	-	-	2	162	1	341	-	13	6,684
May	2	862	3	(3)	1,379	(1,379)	5	2,491	10	4,732	-	-	-	-	-	1	41	1	60	-	12	4,833
June	-	-	3	(3)	2,696	(2,696)	4	1,808	7	4,504	-	-	-	-	-	1	21	-	-	-	8	4,525
July	5	2,272	6	(5)	3,570	(2,918)	3	728	14	6,570	-	-	-	-	-	1	285	-	-	-	15	6,855
August	-	-	-	-	-	-	5	866	5	866	-	-	-	-	-	2	600	-	-	-	7	1,466
September	9	2,987	6	(6)	1,475	(1,475)	9	4,113	24	8,575	-	-	-	-	-	3	897	-	-	-	27	9,472
October	2	180	3	(2)	1,472	(1,000)	4	1,896	9	3,548	2	1,078	-	-	-	1	236	1	354	-	13	5,216
November	-	-	-	-	-	-	1	90	1	90	-	-	-	-	-	5	473	-	-	-	6	563
December	4	44,224	4	(4)	613	-	2	1,282	10	46,119	1	98	-	-	-	1	60	2	536	-	14	46,813
1944																						
January	-	-	3	(3)	1,491	(1,491)	1	1,281	4	2,772	-	-	-	-	-	4	2,895	-	-	-	8	5,667
February	-	-	1	(1)	90	(90)	4	1,392	5	1,482	-	-	-	-	-	5	1,044	-	-	-	10	2,526
March	2	870	9	(9)	10,431	(10,431)	10	1,754	21	13,055	-	-	-	-	-	2	284	-	-	-	23	13,339
April	3	3,650	7	(7)	2,460	(2,460)	7	4,264	17	10,374	-	-	-	-	-	3	225	3	3,436	-	23	14,035
May	4	1,508	11	(10)	3,177	(3,087)	11	3,330	26	8,015	1	344	-	-	-	2	367	4	1,781	-	33	10,507
June	13	11,138	20	(17)	3,538	(3,268)	87	33,172	120	47,848	7	2,037	-	-	-	1	90	1	3,030	-	133	53,095
July	13	3,881	5	(5)	1,383	(1,383)	21	7,323	39	12,587	-	-	-	-	-	2	115	4	1,918	-	45	14,620
August	26	10,060	13	(11)	3,456	(2,456)	58	74,606	97	88,122	53	22,770	-	-	-	1	65	3	680	7	161	118,879
September	8	9,645	6	(4)	6,732	(5,796)	34	7,813	48	24,190	3	1,590	-	-	-	1	90	3	230	5	60	28,476
October	2	411	8	(6)	2,985	(2,348)	19	4,664	29	8,060	3	910	-	-	-	5	1,623	17	10,049	-	54	20,642
November	8	3,720	5	(5)	2,860	(2,860)	8	54,251	21	60,831	8	1,895	-	-	-	3	436	7	1090	2	41	64,785
December	3	930	4	(1)	1,337	(247)	5	4,562	12	6,829	-	-	-	-	-	11	2,418	3	3,992	-	26	13,239
1945																						

(1) For the purpose of comparison the figures quoted in this table relate to the area covered by allied aircraft based in the United Kingdom. This has been taken as a zone extending 35

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TABLE 2

WARSHIPS

MONTHLY TOTALS OF ENEMY-CONTROLLED SURFACE WARSHIPS DESTROYED BY ALLIED AIR FORCES
(excluding RUSSIAN AIRCRAFT)

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

YEAR and MONTH	AIRCRAFT AT SEA												AIR RAID						AIR LAID MINES						GRAND TOTAL	
	Bomber Command		Coastal Command		Fighter Command		Second T.A.F.		F.A.A.		Total		Bomber Command		U.S.A.A.F.		Total		Bomber and Coastal Command		F.A.A.		Total			
	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.
1939																										
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	1	298	-	-	1	298	-	-	-	-	-	-	-	298
1940																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8,200*	-	-	-	-	-	-	1	8,200
May	-	-	1	750	-	-	-	-	-	-	1	750	-	-	-	-	-	2	515	-	2	515	3	1,265	3	1,265
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1,024	-	3	1,024	3	1,024	3	1,024	
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2,340	-	4	2,340	4	2,340	4	2,340	
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	678	-	2	678	2	678	2	678	
September	-	-	-	-	-	-	-	-	-	-	-	-	4	2,019	-	4	2,019	6	6,788	-	6	6,788	10	8,807		
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	90	-	1	90	1	90	1	90	
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1941																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,278	-	3	3,278	3	3,278	3	3,278	3
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	2	1,370	-	-	-	-	-	-	1	200	3	1,570	-	-	-	-	-	-	-	-	-	-	-	3	1,570	3
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	1	247	-	-	-	-	-	-	1	247	-	-	-	-	2	262	-	2	262	3	509	3	509	3
August	1	60	-	-	-	-	-	-	-	-	1	60	-	-	-	-	1	10	-	1	10	2	70	2	70	2
September	1	221	1	460	-	-	-	-	-	-	2	681	2	160	-	2	160	1	120	-	1	120	5	961	5	961
October	-	-	1	277	-	-	-	-	-	-	1	277	-	-	-	-	1	750	-	1	750	2	1,027	2	1,027	2
November	-	-	2	621	2	90	-	-	-	-	4	711	-	-	-	-	2	883	-	2	883	6	1,594	6	1,594	6
December	-	-	1	500	-	-	-	-	-	-	1	500	-	-	-	-	1	750	-	1	750	2	1,250	2	1,250	2
1942																										
January	-	-	-	-	-	-	-	-	-	-	-	1	353	-	-	1	353	1	3,178	-	1	3,178	2	3,531	2	3,531
February	-	-	1	226	1	292	-	-	-	-	2	518	-	-	-	-	2	1,450	-	2	1,450	4	1,968	4	1,968	4
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	835	-	3	835	3	835	3	835	3
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	625	-	2	625	4	970	4	970	4
May	-	-	3	1,499	2	1,500	-	-	-	-	5	2,999	1	750	-	1	750	5	3,616	-	5	3,616	11	7,365	11	7,365
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	524	-	2	524	3	661	3	661	3
July	-	-	-	-	4	1,714	-	-	-	-	4	1,714	-	-	-	-	2	1,417	-	2	1,417	6	3,131	6	3,131	6
August	-	-	-	-	1	435	-	-	-	-	1	435	1	200	1	2,132	2	2,332	3	2,993	6	5,760	6	5,760	6	
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2,252	-	5	2,252	5	2,252	5	2,252	5
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	8,101	-	9	8,101	9	8,101	9	8,101	9
November	-	-	1	449	-	-	-	-	-	-	1	449	-	-	-	-	9	3,042	-	9	3,042	10	3,491	10	3,491	10
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,862	-	2	1,862	2	1,862	2	1,862	2
1943																										
January	-	-	-	-	-	-	-	-	-	-	-	1	530	2	302	3	832	3	865	-	3	865	6	1,697	6	1,697
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1,263	-	4	1,263	4	1,263	4	1,263	4
March	-	-	-	-	1	90	-	-	-	-	1	90	3	349	-	3	349	3	666	-	3	666	7	1,105	7	1,105
April	-	-	1	385	3	628	-	-	-	-	4	1,013	-	-	-	-	2	4,094	-	2	4,094	6	5,107	6	5,107	6
May	-	-	4	2,431	-	-	-	-	-	-	4	2,431	-	1	60	1	60	3	1,379	-	3	1,379	8	3,870	8	3,870
June	-	-	2	955	1	750	-	-	-	-	3	1,705	-	1	103	1	103	3	2,696	-	3	2,696	7	4,504	7	4,504
July	-	-	1	548	-	-	-	-	-	-	1	548	-	2	180	2	180	5	2,918	-	5	2,918	8	3,646	8	3,646
August	-	-	2	636	2	140	-	-	-	-	4	776	1	90	-	1	90	-	-	-	-	5	866	5	866	5
September	-	-	1	550	3	354	-	-	-	-	4	904	-	5	3,209	5	3,209	5	1,224	1	251	6	1,475	15	5,588	15
October	-	-	-	-	1	259	-	-	-	-	1	259	-	3	1,637	3	1,637	2	1,000	-	2	1,000	6	2,896	6	2,896
November	-	-	1	90	-	-	-	-	-	-	1	90	-	-	-	-	-	-	-	-	-	-	1	90	1	90
December	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,282	2	1,282	4	613	-	4	613	6	1,895	6	1,895
1944																										
January	-	-	1	1,281	-	-	-	-	-	-	1	1,281	-	-	-	-	3	1,491	-	3	1,491	4	2,772	4	2,772	4
February	-	-	2	590	2	802	-	-	-	-	4	1,392	-	-	-	-	1	90	-	1	90	5	1,482	5	1,482	5
March	-	-	2	536	-	-	-	-	-	-	2	536	8	1,218	-	8	1,218	9	10,431	-	9	10,431	19	12,185	19	12,185
April	-	-	5	1,992	1	750	-	-	-	-	6	2,742	-	1	1,522	1	1,522	7	2,460	-	7	2				

TABLE 3

ENEMY-CONTROLLED SURFACE WARSHIPS DESTROYED, SURRENDERED, CONFISCATED OR CAPTUREDATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945GRAND TOTALS

CAUSE	TOTALS		GRAND TOTALS		Tonnage Totals expressed as percentages
	No.	Ton.	No.	Ton.	
<u>MAJOR ACTION BY WESTERN ALLIES</u>					
Navy	182	251,087			33.70
Mine - Air Laid	216	146,715			19.68
Mine - Navy Laid	32	13,105			1.77
Allied Air	431	334,215			44.85
Total			861	745,122	100.00
<u>BY OTHER CAUSES</u>					
Scuttled and Sabotaged	98	111,242			
Captured, Surrendered and Confiscated	4	856			
Shore-guns, Enemy Minefields and Enemy Errors	19	33,338			
Marine Casualties	157	36,782			
Russian Forces	110	53,928			
Cause Unknown	-	-			
Total			388	236,146	
<u>GRAND TOTALS - ALL CAUSES</u>					
			1,249	981,268	

TABLE 4

ENEMY-CONTROLLED SURFACE WARSHIPS DESTROYED BY ALLIED AIR FORCES
(excluding RUSSIAN AIRCRAFT)ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945GRAND TOTALS

MAJOR AIR ARM	AIRCRAFT AT SEA		AIR RAID		AIR LAID MINES		GRAND TOTALS		Tonnage Totals expressed as percentages
	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	
Bomber Command	4	1,651	152	166,576	-	-	156	168,227	34.98
Coastal Command	173	84,590	-	-	-	-	173	84,590	17.60
Bomber/Coastal Commands	-	-	-	-	214	146,354	214	146,354	30.43
Fighter Command	28	9,615	-	-	-	-	28	9,615	2.00
Second T.A.F.	3	2,816	-	-	-	-	3	2,816	.59
F.A.A.	12	10,944	1	8,200	2	361	15	19,505	4.05
U.S.A.A.F.	-	-	57	49,223	-	-	57	49,223	10.23
Unknown	1	600	-	-	-	-	1	600	.12
TOTALS	221	110,216	210	223,999	216	146,715	647	480,930	100.00

TABLE 5

CARGO VESSELS

MONTHLY TOTALS OF ENEMY-CONTROLLED CARGO VESSELS DESTROYED, SURRENDERED, CONFISCATED OR CAPTURED
ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945 (1)

YEAR AND MONTH	MAJOR ACTION BY WESTERN ALLIES								OTHER CAUSES												GRAND TOTAL		
									Scuttled and Sabotaged		Captured, Surrendered and Confiscated		Shore-Guns, Enemy Minefields and Enemy Errors		Marine Casualties		Action by Russian Forces		Cause Unknown				
	NAVY		MINE		ALLIED AIR		TOTAL		No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.			
1939	-	-	-	-	-	-	-	-	2	9,612	2	5,794	3	1,508	1	4,061	-	-	-	-	8	20,975	
September	1	5,864	-	-	-	-	1	5,864	1	4,574	6	32,540	-	-	2	2,624	-	-	-	-	10	45,602	
October	1	6,038	-	-	-	-	1	6,038	4	20,104	4	11,302	-	-	1	4,128	-	-	-	-	10	41,572	
November	1	2,680	-	-	-	-	1	2,680	-	-	-	-	3	3,000	2	2,459	2	6,128	-	-	8	14,277	
December	-	-	-	-	-	-	-	-	1	1,598	1	619	-	-	5	21,285	2	2,514	-	-	9	26,016	
1940	-	-	-	-	-	-	-	-	1	5,805	3	9,178	-	-	1	4,354	-	-	-	-	5	19,337	
January	-	-	-	-	-	-	-	-	4	22,830	-	-	-	-	1	3,303	-	-	-	-	7	33,269	
February	15	75,149	8	(7)	18,666	(13,639)	3	15,432	26	109,247	14	87,939	3	16,007	1	4,969	-	-	-	-	45	222,627	
March	8	32,521	15	(10)	25,843	(18,273)	2	928	25	59,292	3	5,852	1	1,193	2	4,336	-	-	-	-	31	70,673	
April	2	6,822	8	(4)	8,173	(2,218)	1	281	11	15,276	8	43,636	14	77,698	-	-	-	-	-	-	35	148,194	
May	1	1,334	10	(8)	12,624	(10,506)	-	-	11	13,958	-	-	-	-	1	549	-	-	-	-	12	14,507	
June	1	3,318	6	(4)	6,318	(6,002)	-	-	7	9,636	-	-	-	-	-	-	-	-	1	311	8	9,947	
July	3	16,296	3	(3)	6,897	(6,897)	4	8,077	10	31,270	-	-	-	-	-	-	-	-	1	139	11	31,409	
August	-	-	3	(2)	3,719	(2,129)	1	763	4	4,482	-	-	-	-	1	8,571	-	-	-	-	5	13,053	
September	3	2,931	1	(1)	640	(640)	1	1,234	5	4,805	-	-	-	-	7	2,167	-	-	-	-	12	6,972	
October	2	8,505	3	(3)	7,195	(7,195)	2	2,571	7	18,271	-	-	-	-	7	22,884	-	-	-	-	14	41,155	
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1941	-	-	6	(6)	11,446	(11,446)	1	1,326	7	12,772	-	-	-	-	-	-	-	-	1	95	8	12,867	
January	-	-	1	(1)	1,371	(1,371)	2	8,581	6	14,807	-	-	-	-	1	69	-	-	-	-	9	19,070	
February	10	23,547	1	-	2,112	-	-	-	11	25,659	-	-	-	-	3	56,503	-	-	-	-	14	82,162	
March	3	17,149	2	(2)	2,100	(2,100)	2	3,749	7	22,998	1	1,807	-	-	-	-	-	-	-	-	8	24,805	
April	-	-	1	(1)	5,088	(5,088)	3	3,900	4	8,988	-	-	-	-	-	-	-	-	-	-	4	8,988	
May	-	-	-	-	-	-	2	6,911	2	6,911	1	3,039	-	-	-	-	-	-	-	-	-	-	
June	-	-	4	(4)	9,343	(9,343)	4	4,836	8	14,179	-	-	-	-	1	1,547	-	-	1	42	5	11,539	
July	5	20,364	2	(1)	728	(728)	1	1,198	8	22,290	-	-	10	27,857	1	1,848	3	1,789	10	8,335	-	32	62,119
August	2	6,403	1	(1)	332	(332)	7	20,550	10	27,285	-	-	-	-	2	3,529	2	6,434	-	-	1	47	37,295
September	2	3,697	1	(1)	677	(677)	5	7,108	8	11,482	-	-	-	-	3	7,613	3	4,133	1	1,862	15	25,090	
October	4	5,608	5	(5)	11,298	(11,298)	3	3,342	12	20,248	-	-	-	-	1	194	4	4,425	-	-	17	24,867	
November	5	13,459	5	(5)	3,351	(3,351)	4	23,091	14	39,901	-	-	1	3,645	1	2,185	3	5,991	4	19,079	-	23	70,801
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1942	3	2,745	1	(1)	1,029	(1,029)	1	1,892	5	5,666	-	-	-	-	6	15,473	-	-	1	47	12	21,186	
January	2	348	1	(1)	7,463	(7,463)	2	14,992	5	22,803	-	-	-	1	3,664	1	135	1	2,975	-	-	8	29,577
February	1	2,642	2	(2)	5,798	(5,798)	-	-	3	8,440	-	-	1	623	3	7,623	-	-	-	-	7	16,686	
March	5	17,675	4	(4)	16,082	(16,082)	1	1,494	10	35,251	-	-	-	-	-	-	-	-	1	734	11	35,985	
April	-	-	9	(8)	15,313	(10,687)	7	28,656	16	43,969	-	-	-	-	-	-	-	-	-	-	17	44,829	
May	1	810	12	(12)	26,699	(26,699)	2	3,605	15	31,114	-	-	-	-	1	3,023	3	5,062	-	-	19	39,199	
June	-	-	8	(8)	20,029	(20,029)	-	-	8	20,029	-	-	-	-	-	-	7	13,450	1	159	16	33,638	
July	2	6,315	11	(11)	23,872	(23,872)	1	159	14	30,346	-	-	1	110	2	2,290	2	6,174	-	-	19	38,920	
August	-	-	10	(10)	9,455	(9,455)	4	22,504	14	31,959	-	-	1	1,419	-	-	4	11,038	-	-	19	44,416	
September	2	6,196	7	(6)	19,036	(14,934)	2	4,704	11	29,936	-	-	-	-	2	1,147	3	6,689	-	-	16	37,772	
October	1	1,365	7	(7)	14,689	(14,689)	2	3,967	10	20,021	-	-	-	-	10	10,949	6	20,897	1	66	27	51,933	
November	2	15,143	7	(7)	7,742	(7,742)	2	1,681	11	24,566	-	-	-	-	9	20,328	3	2,368	2	305	25	47,567	
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1943	2	12,224	4	(4)	4,522	(4,522)	2	5,168	8	21,914	-	-	-	-	3	3,468	-	-	-	-	11	25,382	
January	1	7,892	7	(7)	13,774	(13,774)	1	2,951	9	24,617	-	-	-	-	9	8,921	2	15,123	-	-	20	48,661	
February	7	18,971	7	(6)	3,481	(3,355)	2	13,046	16	35,498	1	8,058	-	-	2	3,114	1	300	2	3,801	-	22	50,781
March	3	10,628	9	(9)	14,620	(14,620)	9	39,117	21	64,365	3	6,968	-	-	3	8,671	1	1,926	-	-	28	81,930	
April	2	4,814	11	(11)	28,044	(28,044)	3	9,341	16	42,199	-	-	-	-	1	1,966	-	-	1	300	18	44,465	
May	1	8,132	3	(3)	7,090	(7,090)	1	5,180	5	20,402	-	-	1	250	2	1,083	1	1,746	-	-	9	23,481	
June	-	-	5	(5)	2,971	(2,971)	3	3,097	8	6,068	-	-	-	-	-	-	-	-	-	-	8	6,068	
July	-	-	3	(2)	325	(325)	2	2,900	5	3,225	-	-	-	-	3	6,426	1	574	-	-	9	10,225	
August	3	11,155	1	(1)	203	(203)	4	21,789	8	33,147	1	4,446	1	50	1	3,727	2	1,833	-	-	13	43,203	
September	1	5,381	2	(2)	2,512	(2,512)	13	43,234	16	51,127	1	7,340	1	3,098	1	3,094	2	202	-	-	21	64,861	
October	1	928	3	(3)	752	(752)	2	7,967	6	9,647	-	-	-	-	4	7,485	-	-	-	-	10	17,132	
November	1	8,537	1	(1)	1,429	(1,429)	8	21,562	10	31,528	-	-	-	-	3	3,089	3	2,377	1	209	17	37,203	
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
During 1943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	903	3	903	
1944	1	5,056	4	(4)	12,931	(12,931)	4	14,540	9	32,527	1	1,414	-	-	1	6,408	6	13,989	1	244	-	18	54,582
January	7	19,224	1	(1)	91	(91)	1	3,096	9	22,411	1												

TABLE 6

CARGO VESSELS

MONTHLY TOTALS OF ENEMY-CONTROLLED CARGO VESSELS DESTROYED BY ALLIED AIR FORCES
(excluding RUSSIAN AIRCRAFT)

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

YEAR AND MONTH	AIRCRAFT AT SEA												AIR RAID						AIR LAID MINES						GRAND TOTAL		
	Bomber Command		Coastal Command		Fighter Command		Second T.A.F.		F.A.A.		Total		Bomber Command		U.S.A.A.F.		Total		Bomber and Coastal Commands		F.A.A.		Total				
	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	
1939																											
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1940																											
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
April	2	7,863	-	-	-	-	-	-	1	7,569	3	15,432	-	-	-	-	-	7	13,689	-	7	13,689	10	29,121	-	-	
May	-	-	-	-	-	-	-	-	2	928	2	928	-	-	-	-	-	10	18,273	-	10	18,273	12	19,201	-	-	
June	-	-	-	-	-	-	-	-	1	281	1	281	-	-	-	-	-	4	2,218	-	4	2,218	5	2,499	-	-	
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	10,506	-	8	10,506	8	10,506	-	-	
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6,002	-	4	6,002	4	6,002	-	-	
September	-	-	1	1,626	-	-	-	-	-	1	1,626	3	6,451	-	-	3	6,451	3	6,897	-	3	6,897	7	14,974	-	-	
October	-	-	1	763	-	-	-	-	-	1	763	-	-	-	-	-	-	2	2,129	-	2	2,129	3	2,892	-	-	
November	-	-	1	1,234	-	-	-	-	-	1	1,234	-	-	-	-	-	-	1	640	-	1	640	2	1,874	-	-	
December	-	-	1	1,159	-	-	-	-	-	1	1,159	1	1,412	-	-	1	1,412	3	7,195	-	3	7,195	5	9,766	-	-	
1941																											
January	-	-	1	1,326	-	-	-	-	-	1	1,326	-	-	-	-	-	-	6	11,446	-	6	11,446	7	12,772	-	-	
February	-	-	2	8,581	-	-	-	-	-	2	8,581	-	-	-	-	-	-	1	1,371	-	1	1,371	3	9,952	-	-	
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
April	-	-	-	-	-	-	-	-	-	1	3,703	1	3,703	1	46	-	1	46	2	2,100	-	2	2,100	4	5,849	-	-
May	2	3,161	-	-	-	-	-	-	-	2	3,161	1	739	-	-	1	739	1	5,088	-	1	5,088	4	8,988	-	-	
June	1	4,816	1	2,095	-	-	-	-	-	2	6,911	-	-	-	-	-	-	-	-	-	-	-	2	6,911	-	-	
July	2	3,585	2	1,251	-	-	-	-	-	4	4,836	-	-	-	-	-	-	4	9,343	-	4	9,343	8	14,179	-	-	
August	1	1,198	-	-	-	-	-	-	-	1	1,198	-	-	-	-	-	-	1	604	-	1	604	2	1,802	-	-	
September	2	5,330	1	4,989	-	-	-	-	3	4,400	6	14,719	1	5,831	-	1	5,831	1	332	-	1	332	8	20,882	-	-	
October	2	2,661	3	4,447	-	-	-	-	-	5	7,108	-	-	-	-	-	-	1	677	-	1	677	6	7,785	-	-	
November	-	-	3	3,342	-	-	-	-	-	3	3,342	-	-	-	-	-	-	5	11,298	-	5	11,298	8	14,640	-	-	
December	-	-	4	23,091	-	-	-	-	-	4	23,091	-	-	-	-	-	-	5	3,351	-	5	3,351	9	26,442	-	-	
1942																											
January	-	-	1	1,892	-	-	-	-	-	1	1,892	-	-	-	-	-	-	1	1,029	-	1	1,029	2	2,921	-	-	
February	-	-	-	-	-	-	-	-	1	1,367	1	1,367	1	13,625	-	1	13,625	1	7,463	-	1	7,463	3	22,455	-	-	
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5,798	-	2	5,798	2	5,798	-	-	
April	-	-	1	1,494	-	-	-	-	-	1	1,494	-	-	-	-	-	-	4	16,082	-	4	16,082	5	17,576	-	-	
May	-	-	7	28,656	-	-	-	-	-	7	28,656	-	-	-	-	-	-	8	10,687	-	8	10,687	15	39,343	-	-	
June	-	-	1	1,497	-	-	-	-	-	1	1,497	1	2,108	-	-	1	2,108	12	26,699	-	12	26,699	14	30,304	-	-	
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	20,029	-	8	20,029	8	20,029	-	-	
August	-	-	-	-	1	159	-	-	-	1	159	-	-	-	-	-	-	11	23,872	-	11	23,872	12	24,031	-	-	
September	-	-	2	9,953	1	305	-	-	-	3	10,258	1	12,246	-	-	1	12,246	10	9,455	-	10	9,455	14	31,959	-	-	
October	-	-	1	3,979	-	-	-	-	1	725	2	4,704	-	-	-	-	-	6	14,934	-	6	14,934	8	19,638	-	-	
November	-	-	1	3,347	-	-	-	-	-	1	3,347	1	620	-	-	1	620	7	14,689	-	7	14,689	9	18,656	-	-	
December	-	-	1	1,059	1	622	-	-	-	2	1,681	-	-	-	-	-	-	7	7,742	-	7	7,742	9	9,423	-	-	
1943																											
January	-	-	2	5,168	-	-	-	-	-	2	5,168	-	-	-	-	-	-	4	4,522	-	4	4,522	6	9,690	-	-	
February	-	-	-	-	-	-	-	-	-	-	-	1	2,951	-	-	1	2,951	7	13,774	-	7	13,774	8	16,725	-	-	
March	-	-	-	-	-	-	-	-	-	-	-	1	2,719	1	10,327	2	17,046	6	3,555	-	6	3,555	8	16,401	-	-	
April	-	-	7	36,306	1	187	-	-	1	2,624	9	39,117	-	-	-	-	-	9	14,620	-	9	14,620	18	53,737	-	-	
May	-	-	2	8,920	1	421	-	-	-	3	9,341	-	-	-	-	-	-	11	28,044	-	11	28,044	14	37,385	-	-	
June	-	-	1	5,180	-	-	-	-	-	1	5,180	-	-	-	-	-	-	3	7,090	-	3	7,090	4	12,270	-	-	
July	-	-	-	-	-	-	-	-	-	-	-	3	3,097	-	-	3	3,097	4	2,727	1	244	5	2,971	8	6,068	-	-
August	-	-	1	2,700	1	200	-	-	-	2	2,900	-	-	-	-	-	-	2	237	-	2	237	4	3,137	-	-	
September	-	-	2	3,513	-	-	-	-	-	2	3,513	-	-	2	18,276	2	18,276	1	203	-	1	203	5	21,992	-	-	
October	-	-	-	-	1	966	-	-	-	6	21,719	-	-	7	21,515	7	21,515	2	2,512	-	2	2,512	15	45,746	-	-	
November	-	-	2	7,967	-	-	-	-	-	2	7,967	-	-	-	-	-	-	3	752	-	3	752	5	8,719	-	-	
December	-	-	2	9,073	-	-	-	-	-	2	9,073	-	-	6	12,489	6	12,489	1	1,429	-	1	1,429	9	22,991	-	-	
1944																											
January	-	-	3	14,378	-	-	-	-	-	3	14,378	-	-	1	162	1	162	4	12,931	-	4	12,931	8	27,471	-	-	
February	-	-	1	3,096	-	-	-	-	-	1	3,096	-	-	-	-	-	-	1	91	-	1	91	2	3,187	-	-</	

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TABLE 7

ENEMY-CONTROLLED CARGO VESSELS DESTROYED, SURRENDERED, CONFISCATED OR CAPTURED

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

GRAND TOTALS

CAUSE	TOTALS		GRAND TOTALS		Tonnage Totals expressed as percentages
	No.	Ton.	No.	Ton.	
<u>MAJOR ACTION BY WESTERN ALLIES</u>					
Navy	166	527,591			25.72
Mine - Air Laid	298	557,731			27.18
Mine - Navy Laid	25	48,451			2.37
Allied Air	353	917,873			44.73
Total			842	2,051,646	100.00
<u>BY OTHER CAUSES</u>					
Scuttled and Sabotaged	167	725,226			
Captured, Surrendered and Confiscated	97	281,228			
Shore-guns, Enemy Minefields and Enemy Errors	26	48,120			
Marine Casualties	161	354,936			
Russian Forces	183	443,837			
Cause Unknown	62	121,438			
Total			696	1,974,785	
<u>GRAND TOTALS - ALL CAUSES</u>					
			1,538	4,026,431	

TABLE 8

ENEMY-CONTROLLED CARGO VESSELS DESTROYED BY ALLIED AIR FORCES
(excluding RUSSIAN AIRCRAFT)

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

GRAND TOTALS

MAJOR AIR ARM	AIRCRAFT AT SEA		AIR RAID		AIR LAID MINES		GRAND TOTALS		Tonnage Totals expressed as percentages
	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	
Bomber Command	12	28,614	68	155,526	-	-	80	184,140	12.48
Coastal Command	158	421,200	-	-	-	-	158	421,200	28.54
Bomber/Coastal Commands	-	-	-	-	290	541,431	290	541,431	36.69
Fighter Command	10	4,257	-	-	-	-	10	4,257	.29
Second T.A.F.	16	39,079	-	-	-	-	16	39,079	2.65
F.A.A.	21	52,753	-	-	8	16,300	29	69,053	4.68
U.S.A.A.F.	-	-	63	195,691	-	-	63	195,691	13.26
U.S. Navy	5	20,753	-	-	-	-	5	20,753	1.41
TOTALS	222	566,656	131	351,217	298	557,731	651	1,475,604	100.00

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TABLE 9

FISHING CRAFT

MONTHLY TOTALS OF ENEMY-CONTROLLED FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT
DESTROYED, SURRENDERED, CONFISCATED OR CAPTURED(1)
ATLANTIC, HOME WATERS AND BAL TIC - 3rd September to 8th May 1945

YEAR AND MONTH	MAJOR ACTION BY WESTERN ALLIES										OTHER CAUSES										GRAND TOTAL		
	NAVY		(2) MINE		ALLIED AIR		TOTAL		Scuttled and Sabotaged		Captured Surrendered and Confiscated		Shore-Guns Enemy Mine- Fields and Enemy Errors		Marine Casualties		Action by Russian Forces		Cause Unknown				
	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.			
1939																							
October	-	-	-	-	-	-	-	-	-	-	-	-	-	1	378	-	-	-	-	-	1	378	
November	-	-	-	-	-	-	-	-	-	-	-	-	-	1	200	-	-	-	-	-	1	200	
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1940																							
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	327	-	-	1	327	
February	-	-	-	-	-	-	-	-	-	-	1	268	-	-	-	-	-	-	-	1	9	1	268
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	9	1	268
April	1	192	5	(4)	1,333	(1,065)	1	107	7	1,632	-	4	1,238	-	-	-	-	-	2	74	13	2,944	
May	-	-	3	(1)	161	93	3	163	6	324	-	-	1	50	-	-	-	-	2	55	9	429	
June	-	-	1	(1)	50	50	-	1	50	-	-	-	-	-	-	-	1	216	-	-	2	266	
July	-	-	4	(1)	719	116	1	29	5	748	-	-	-	-	-	-	-	-	1	12	6	760	
August	-	-	5	(5)	1,645	(1,645)	-	5	1,645	-	1	296	-	-	2	349	-	-	-	-	8	2,290	
September	1	200	8	(7)	891	763	3	348	12	1,439	-	-	-	-	1	126	-	-	1	18	14	1,583	
October	2	453	2	(1)	58	50	3	262	7	773	-	-	2	98	1	100	-	-	-	-	10	971	
November	-	-	5	(3)	399	70	-	5	399	-	1	40	-	-	1	50	-	-	-	-	7	489	
December	1	172	3	(3)	147	(147)	1	100	5	419	-	-	-	-	2	310	-	-	-	-	7	729	
1941																							
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	280	-	-	3	172	4	452
February	-	-	3	(3)	261	(261)	-	3	261	-	-	-	-	-	-	-	-	-	-	-	3	261	
March	2	199	-	-	-	-	-	2	199	-	-	-	-	-	-	-	-	-	-	-	2	199	
April	-	-	1	-	357	-	-	1	357	-	-	-	-	-	-	-	-	-	-	-	1	357	
May	-	-	2	-	116	-	2	315	4	431	-	-	-	-	-	-	-	-	-	1	27	5	458
June	-	-	1	(1)	60	(60)	1	20	2	80	-	-	-	-	-	-	-	-	-	-	2	80	
July	4	879	1	(1)	100	(100)	3	412	8	1,391	-	-	2	467	-	-	-	-	-	-	10	1,858	
August	-	-	3	(3)	101	(101)	2	185	5	286	-	-	-	-	1	50	1	178	-	-	7	514	
September	-	-	4	(4)	802	(802)	4	195	8	997	-	-	-	-	-	-	-	-	2	139	10	1,136	
October	-	-	3	(3)	518	(518)	3	472	6	990	-	-	1	46	-	-	-	-	1	31	8	1,067	
November	-	-	2	(1)	81	(81)	1	105	3	186	-	-	2	278	-	1	100	-	-	1	62	7	626
December	2	355	2	(2)	410	(410)	1	142	5	907	-	-	-	-	-	-	-	-	-	1	181	1	907
1942																							
January	1	106	3	(3)	173	(173)	1	260	5	539	-	-	-	-	2	100	-	-	1	115	8	754	
February	-	-	1	(1)	2,459	(2,459)	3	727	4	3,186	-	-	-	-	1	150	-	-	-	-	5	3,336	
March	3	979	1	(1)	150	(150)	2	288	6	1,417	-	-	-	-	1	400	-	-	-	-	7	1,817	
April	-	-	2	(1)	263	(263)	-	2	263	-	-	-	-	-	1	50	-	-	-	-	3	313	
May	-	-	14	(12)	1,080	(664)	2	132	16	1,212	-	2	80	-	-	-	-	-	-	-	18	1,292	
June	1	181	2	(1)	65	(65)	1	50	4	296	-	-	-	-	-	-	-	-	-	1	20	5	316
July	-	-	13	(12)	1,292	(948)	4	229	17	1,521	-	-	-	-	-	-	-	-	-	1	28	18	1,549
August	1	38	8	(7)	1,244	(1,033)	-	9	1,282	-	16	800	-	-	-	-	-	-	-	-	25	2,082	
September	-	-	7	(6)	683	(460)	-	7	683	-	-	-	-	-	4	260	-	-	2	52	13	995	
October	-	-	8	(8)	2,072	(2,072)	1	150	9	2,222	-	-	-	-	4	388	-	-	1	482	14	3,092	
November	-	-	7	(7)	577	(577)	5	1,226	12	1,803	-	3	90	-	1	197	-	-	-	-	16	2,090	
December	-	-	6	(6)	463	(463)	-	6	463	-	-	-	-	-	4	816	-	-	-	1	212	11	1,491
1943																							
January	-	-	6	(6)	247	(247)	1	1,500	7	1,747	-	-	2	60	-	-	-	-	1	49	11	2,039	
February	-	-	4	(4)	2,513	(2,513)	3	1,624	7	4,137	-	-	-	-	2	170	-	-	-	1	20	10	4,327
March	-	-	3	(3)	81	(81)	2	221	5	302	-	-	1	50	-	-	-	-	-	1	37	7	389
April	1	50	5	(5)	2,110	(2,110)	1	500	7	2,660	-	-	3	125	-	-	-	-	-	-	34	14	3,284
May	-	-	4	(4)	172	(172)	4	401	8	573	-	-	3	105	1	120	-	-	-	-	14	963	
June	-	-	8	(8)	317	(317)	1	100	9	417	-	-	-	-	-	-	-	-	-	-	11	1,526	
July	-	-	13	(13)	441	(1,441)	-	13	1,441	1	130	4	778	-	-	-	-	-	-	-	19	2,562	
August	3	144	2	(2)	19	(19)	-	5	163	-	-	3	350	-	-	-	-	-	-	1	20	11	1,083
September	2	95	1	(1)	11	(11)	7	1,637	10	1,743	-	-	6	325	-	-	-	-	-	-	18	2,746	
October	-	-	3	(3)	150	(150)	3	1,020	6	1,170	-	-	-	-	-	-	-	-	-	-	6	1,170	
November	-	-	5	(5)	200	(200)	1	827	6	1,027	2	4,174	1	50	-	-	-	-	-	-	11	5,861	
December	-	-	3	(3)	245	(245)	1	337	4	582	-	-	-	-	-	-	-	-	-	1	164	5	746
1944																							
January	-	-	3	(3)	150	(150)	-	-	3	150	-	-	1	50	-	-	-	-	-	-	5	304	
February	-	-	10	(10)	1,045	(1,045)	-	-	10	1,045	-	-	1	28	-	-	-	-	-	-	16	4,897	
March	-	-	3	(3)	60	(60)	1	250	4	310	-	-	1	50	-	-	-	-	-	1	26	6	386
April	-	-	5	(5)	422	(422)	3	736	8	1,158	-	-	1	29	-	-	-	-	-	-	10	1,218	
May	-	-	6	(6)	516	(516)	-	-	6	516	-	-	-	-	-	-	-	-	-	-	6	516	
June	-	-	8	(8)	737	(737)	24	3,021	32	3,758	-	-	1	150	1	109	-	-	-	-	35	4,302	
July	1	343	4	(4)	284	(284)	5	581	10	1,208	-	-	5	285	-	-	-	-	-	-	19	3,796	
August	-	-	11	(11)	933	(933)	6	1,059	17	1,992	35	12,145	9	1,122	1	219	3	1,737	-	-	65	15,683	
September	1	140	3	(3)	219	(219)	7	1,233	11	1,592	23	6,724	9	5,447	-	-	-	-	-	-	52	14,933	
October	-	-	4	(4)	269	(269)	6	1,020	10	1,289	3	888	3	137	-	-	-	-	-	-	23	3,168	
November	1	50	6	(5)	1,157	(958)	4	402	11	1,609	4	1,458	-	-	-	-	-	-	-	110	20	3,655	
December	-	-	8	(8)	981	(981)	4	509	12	1,490	2	1,900	1	49	-	-	-	-	-	-	20	5,074	
1945																							

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TABLE IO

FISHING CRAFT

MONTHLY TOTALS OF ENEMY-CONTROLLED FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT
DESTROYED BY ALLIED AIR FORCES (excluding RUSSIAN AIRCRAFT)

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

YEAR and MONTH	AIRCRAFT AT SEA												AIR RAID						AIR LAID MINES						GRAND TOTAL	
	Bomber Command		Coastal Command		Fighter Command		Second T.A.F.		F.A.A.		Total		Bomber Command		U.S.A.A.F.		Total		Bomber and Coastal Commands		F.A.A.		Total			
	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.	No.	Ton.
1939																										
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1940																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	1	107	-	-	-	-	-	-	-	-	107	-	-	-	-	-	-	4	1,065	-	-	4	1,065	5	1,172	
May	-	-	-	-	-	-	-	-	3	163	3	103	-	-	-	-	-	1	93	-	-	1	93	4	256	
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	50	-	-	1	50	1	50	
July	-	-	1	29	-	-	-	-	-	-	1	29	-	-	-	-	-	1	116	-	-	1	116	2	145	
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1,645	-	-	5	1,645	5	1,645	
September	-	-	-	-	-	-	-	-	-	-	-	-	3	348	-	-	3	348	7	763	-	-	7	763	10	1,111
October	-	-	-	-	-	-	-	-	-	-	-	-	3	262	-	-	3	262	1	50	-	-	1	50	4	312
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	70	-	-	3	70	3	70	
December	-	-	-	-	-	-	-	-	-	-	-	-	1	100	-	-	1	100	3	147	-	-	3	147	4	247
1941																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	261	-	-	3	261	3	261	
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	1	189	1	126	-	-	-	-	-	-	2	315	-	-	-	-	-	-	-	-	-	-	-	2	315	
June	1	20	-	-	-	-	-	-	-	-	1	20	-	-	-	-	-	1	60	-	-	1	60	2	80	
July	2	338	-	-	-	-	-	-	-	-	3	412	-	-	-	-	-	1	100	-	-	1	100	4	512	
August	1	60	1	125	-	-	-	-	1	74	2	185	-	-	-	-	-	3	101	-	-	3	101	5	286	
September	3	175	-	-	1	20	-	-	-	-	4	195	-	-	-	-	-	4	802	-	-	4	802	8	997	
October	-	-	2	345	-	-	-	-	-	-	2	345	1	127	-	-	1	127	3	518	-	-	3	518	6	990
November	-	-	-	-	-	-	-	-	-	-	-	-	1	105	-	-	1	105	1	32	-	-	1	32	2	137
December	-	-	1	142	-	-	-	-	-	-	1	142	-	-	-	-	-	2	410	-	-	2	410	3	552	
1942																										
January	-	-	-	-	1	260	-	-	-	-	1	260	-	-	-	-	-	3	173	-	-	3	173	4	433	
February	-	-	3	727	-	-	-	-	-	-	3	727	-	-	-	-	-	1	2,459	-	-	1	2,459	4	3,186	
March	-	-	1	200	-	-	-	-	-	-	1	200	1	88	-	-	1	88	1	150	-	-	1	150	3	438
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	195	-	-	1	195	1	195	
May	-	-	1	15	1	117	-	-	-	-	2	132	-	-	-	-	-	12	664	-	-	12	664	14	796	
June	-	-	-	-	-	-	-	-	-	-	-	-	1	50	-	-	1	50	1	37	-	-	1	37	2	87
July	-	-	-	-	2	50	-	-	-	-	2	50	2	179	-	-	2	179	12	948	-	-	12	948	16	1,177
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1,033	-	-	7	1,033	7	1,033	
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	460	-	-	6	460	6	460	
October	-	-	-	-	1	150	-	-	-	-	1	150	-	-	-	-	-	8	2,072	-	-	8	2,072	9	2,222	
November	-	-	1	431	-	-	-	-	-	-	1	431	3	745	1	50	4	795	7	577	-	-	7	577	12	1,803
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	463	-	-	6	463	6	463	
1943																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,500	1	1,500	6	247	-	-	6	247	7	1,747
February	-	-	-	-	-	-	-	-	-	-	-	-	3	1,624	-	-	3	1,624	4	2,513	-	-	4	2,513	7	4,137
March	-	-	-	-	-	-	-	-	-	-	-	-	2	221	-	-	2	221	3	81	-	-	3	81	5	302
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	500	1	500	5	2,110	-	-	5	2,110	6	2,610
May	-	-	-	-	-	-	-	-	-	-	-	-	2	154	2	247	4	401	4	172	-	-	4	172	8	573
June	-	-	-	-	-	-	-	-	-	-	-	-	1	100	-	-	1	100	8	317	-	-	8	317	9	417
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	1,441	-	-	13	1,441	13	1,441	
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	19	-	-	2	19	2	19	
September	-	-	-	-	2	177	-	-	-	-	2	177	-	-	5	1,460	5	1,460	1	11	-	-	1	11	8	1,646
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1,020	3	1,020	3	150	-	-	3	150	6	1,170
November	-	-	-	-	1	827	-	-	-	-	1	827	-	-	-	-	-	4	167	1	33	5	200	6	1,027	
December	-	-	1	337	-	-	-	-	-	-	1	337	-	-	-	-	-	-	3	245	-	-	3	245	4	582
1944																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	150	-	-	3	150	3	150	
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1,045	-	-	10	1,045	10	1,045	
March	-	-	1	250	-	-	-	-	-	-	1	250	-	-	-	-	-	3	60	-	-	3	60	4	310	
April	-	-	1	536	1	100	-	-	-	-	2	636	-	-	-	100	1	100	5	422	-	-	5	422	8	1,158
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	516	-	-	6	516	6	516	
June	-	-	-	-	-	-	-	-	-	-	-	-	19	2,000	5	1,021	24	3,021	8	737	-	-	8	737	32	3,758
July	-	-	1																							

TABLE II

ENEMY-CONTROLLED FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT, DESTROYED, SURRENDERED, CONFISCATED OR CAPTURED

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

GRAND TOTALS

CAUSE	TOTALS		GRAND TOTALS		Tonnage Totals expressed as percentages
	No.	Ton.	No.	Ton.	
<u>MAJOR ACTION BY WESTERN ALLIES</u>					
Navy	28	4,576			6.68
Mine - Air Laid	255	33,551			48.99
Mine - Navy Laid	22	3,415			4.99
Allied Air	154	26,937			39.34
Total			459	68,479	100.00
<u>BY OTHER CAUSES</u>					
Scuttled and Sabotaged	74	30,784			
Captured, Surrendered and Confiscated	90	12,819			
Shore-guns, Enemy Minefields and Enemy Errors	13	1,791			
Marine Casualties	73	11,582			
Russian Forces	25	12,083			
Cause Unknown	46	6,084			
Total			321	75,143	
GRAND TOTALS - ALL CAUSES			780	143,622	

TABLE 12

ENEMY-CONTROLLED FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT
DESTROYED BY ALLIED AIR FORCES (excluding RUSSIAN AIRCRAFT)

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

GRAND TOTALS

MAJOR AIR ARM	AIRCRAFT AT SEA		AIR RAID		AIR LAID MINES		GRAND TOTALS		Tonnage Totals expressed as percentages
	No.	Tons.	No.	Ton.	No.	Ton.	No.	Ton.	
Bomber Command	9	889	59	8,092	-	-	68	8,981	14.85
Coastal Command	35	6,540	-	-	-	-	35	6,540	10.81
Bomber/Coastal Commands	-	-	-	-	254	33,518	254	33,518	55.42
Fighter Command	12	2,265	-	-	-	-	12	2,265	3.74
Second T.A.F.	1	50	-	-	-	-	1	50	.08
F.A.A.	8	804	-	-	1	33	9	837	1.38
U.S.A.A.F.	-	-	30	8,297	-	-	30	8,297	13.72
TOTALS	65	10,548	89	16,389	255	33,551	409	60,488	100.00

ENEMY-CONTROLLED SURFACE WARSHIPS, CARGO VESSELS, FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT
DESTROYED, SURRENDERED, CONFISCATED OR CAPTURED

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

ABSTRACT OF TOTALS

CAUSE	SURFACE WARSHIPS			CARGO VESSELS			FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT		
	No.	(1) Ton.	Tonnage Totals expressed as percentages	No.	(2) Ton.	Tonnage Totals expressed as percentages	No.	(2) Ton.	Tonnage Totals expressed as percentages
<u>MAJOR ACTION BY WESTERN ALLIES</u>									
Navy	182	251,087	33.70	166	527,591	25.72	28	4,576	6.68
Mine - Air laid	216	146,715	19.68	298	557,731	27.18	255	33,551	48.99
Mine - Navy laid	32	13,105	1.77	25	48,451	2.37	22	3,415	4.99
Allied Air	431	334,215	44.85	353	917,873	44.73	154	26,937	39.34
Total	861	745,122	100.00	842	2,051,646	100.00	459	68,479	100.00
<u>BY OTHER CAUSES</u>									
Scuttled and Sabotaged	98	111,242		167	725,226		74	30,784	
Captured, Surrendered and Confiscated	4	856		97	281,228		90	12,819	
Shore-guns, Enemy Minefields and Enemy Errors	19	33,338		26	48,120		13	1,791	
Marine Casualties	157	36,782		161	354,936		73	11,582	
Russian Forces	110	53,928		183	443,837		25	12,083	
Cause Unknown	-	-		62	121,438		46	6,084	
Total	388	236,146		696	1,974,785		321	75,143	
TOTALS - ALL CAUSES	1,249	981,268		1,538	4,026,431		780	143,622	

(1) The tonnages of German warships built as such are war displacement tonnages. Those of auxiliary warships are gross registered tons.

(2) Gross registered tons.

TABLE 14

ENEMY-CONTROLLED SURFACE WARSHIPS, CARGO VESSELS, FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT
DESTROYED BY ALLIED AIR FORCES (excluding RUSSIAN AIRCRAFT)

ATLANTIC, HOME WATERS AND BALTIC - 3rd September 1939 to 8th May 1945

ABSTRACT OF TOTALS

MAJOR AIR ARM	SURFACE WARSHIPS			CARGO VESSELS			FISHING VESSELS, TUGS, LIGHTSHIPS AND HARBOUR CRAFT		
	No.	(1) Ton.	Tonnage Totals expressed as percentages	No.	(2) Ton.	Tonnage Totals expressed as percentages	No.	(2) Ton.	Tonnage Totals expressed as percentages
Bomber Command	156	168,227	34.98	80	184,140	12.48	68	8,981	14.85
Coastal Command	173	84,590	17.60	158	421,200	28.54	35	6,540	10.81
Bomber/Coastal Commands	214	146,354	30.43	290	541,431	36.69	254	33,518	55.42
Fighter Command	28	9,615	2.00	10	4,257	.29	12	2,265	3.74
Second T.A.F.	3	2,816	.59	16	39,079	2.65	1	50	.08
F.A.A.	15	19,505	4.05	29	69,053	4.68	9	837	1.38
U.S.A.A.F.	57	49,223	10.23	63	195,691	13.26	30	8,297	13.72
U.S. Navy	-	-	-	5	20,753	1.41	-	-	-
Unknown	1	600	.12	-	-	-	-	-	-
TOTALS	647	480,930	100.00	651	1,475,604	100.00	409	60,488	100.00

(1) The tonnages of German warships built as such are war displacement tonnages. Those of auxiliary warships are gross registered tons.

(2) Gross registered tons.

SECRET

SECRET

PART II

ENEMY-CONTROLLED SURFACE VESSEL LOSSES
IN THE MEDITERRANEAN

Introduction

The following tables of enemy-controlled vessels lost from all causes during the Second World War relate to the Mediterranean area, including the Adriatic and Aegean Seas. They have been compiled by the Air Ministry Historical Branch in co-operation with the Admiralty Foreign Documents Section and Lloyds Shipping Department and with the assistance of records lent by the Admiralty Historical Section.

They represent operational losses to the enemy war shipping potential construed in its widest sense. The special character of the war in the Mediterranean is reflected in the inclusion of such items as Italian vessels surrendered and scuttled at the time of the Italian Armistice, French vessels in German custody scuttled at the time of the liberation of Southern France and warships sunk while fitting out.

The principal sources employed were Lloyds' records of enemy merchant shipping losses, Volumes I and II of the Italian Historical Office's published work on wartime losses, entitled 'Navi Perdute' (amended by the British Admiralty Historical Section) and the records of German naval commands and flotillas processed by the Admiralty Foreign Documents Section. These major sources have been cross-checked and supplemented by information from various Admiralty and Air Ministry records. Minor amendments may be called for as research into operations develops.

The losses have been classified under the two headings of warships and merchant vessels, the latter including harbour and fishing craft and some auxiliary vessels not identifiable as warships. Footnotes to the tables amplify the information given. A basic chronological list giving name, flag, tonnage, cause and position is held at the Air Ministry Historical Branch.

SECRET

SECRET
MONTHLY TOTALS OF ENEMY MERCHANT SHIPPING SUNK BY ALL CAUSES, SCUTTLED, CAPTURED OR SURRENDERED
(*)
IN THE MEDITERRANEAN - 10th JUNE 1940 to 2nd May 1945

TABLE 15

MERCHANT SHIPS

YEAR AND MONTH	NAVY		MINE		AIR/NAVY OR AIR/MINE SHARED		AIR (ALLIED)		TOTALS SUNK BY ALLIED ACTION		SABOTAGED		CAPTURED OR SURRENDERED		SCUTTLED		AIR (ENEMY)		OTHER KNOWN CAUSES		CAUSE UNKNOWN	
	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)	
	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.
1940																						
June	-	-	11	2,897	-	-	1	440	12	10,337	-	-	16	44,166	4	20,574	-	-	-	-	3	5,599
July	2	520	2	3,890	-	-	4	26,793	8	31,203	-	-	-	-	-	-	-	-	2	639	-	-
August	3	8,597	-	-	-	-	2	4,798	5	13,495	-	-	-	-	-	-	-	-	2	65	-	-
September	3	10,705	1	569	-	-	4	11,357	8	22,631	-	-	-	-	-	-	-	-	-	-	-	-
October	3	7,955	3	10,030	-	-	-	-	6	17,985	-	-	-	-	-	-	-	-	1	2,180	-	-
November	4	15,043	-	-	-	-	2	81	6	15,124	-	-	-	-	-	-	-	-	1	93	1	5,212
December	12	27,165	4	21,940	-	-	5	8,941	21	58,046	-	-	4	802	1	51	-	-	1	103	2	5,147
1941																						
January	6 (1)	15,265	4	3,369	-	-	1	3,950	11 (1)	22,584	-	-	2	15,383	19	879	-	-	2	53	1 (1)	1,384
February	2 (2)	3,608	1	8,289	-	-	4	5,263	7 (2)	17,160	1	1,067	-	-	4	475	1	3,089	6	681	4	1,745
March	8	22,615	-	-	-	-	1	7,289	9	29,904	-	-	-	-	-	-	-	-	3	1,326	1	348
April	11	28,744	2	5,255	A/N 1	1,524	2	4,557	16	40,080	-	-	-	-	-	-	-	-	-	-	-	-
May	13	47,208	9	19,700	A/N 1	4,857	3	11,188	26	82,353	-	-	-	-	-	-	-	-	-	-	-	-
June	18	37,460	2	800	A/N -	-	7	13,353	27	51,613	-	-	-	-	-	-	-	-	1	404	4 (1)	13,184
July	9 (1)	20,219	3	8,269	-	-	8	22,717	20 (1)	51,205	-	-	1	3,597	-	-	-	-	-	-	1	4,543
August	10	17,283	2	5,275	-	-	11	35,196	23	57,754	-	-	-	-	-	-	-	-	1	93	2 (1)	78
September	13	66,385	2	498	A/N 1	5,996	10	27,617	26	100,496	-	-	-	-	-	-	-	-	1	1,790	4	595
October	10	29,719	2	1,527	A/N 1	4,786	11	24,691	24	60,723	-	-	5	235	-	-	-	-	-	-	-	-
November	16	57,064	-	-	-	-	9	8,910	25	65,974	-	-	-	-	-	-	-	-	2	459	3	136
December	9	33,770	-	-	A/N 1	10,540	3	2,148	13	46,458	-	-	-	-	2	125	-	-	8	2,095	4 (2)	1,902
1942																						
January	8	22,036	-	-	-	-	2	18,839	10	40,875	-	-	-	-	-	-	-	-	1	24	-	-
February	8	23,255	1	1,334	A/N 2	10,257	1	145	12	34,991	-	-	-	-	-	-	-	-	1	22	2	470
March	8 (1)	32,714	2	6,008	A/M 1	1,778	4	13,192	15 (1)	33,692	-	-	-	-	-	-	-	-	1	32	3	116
April	11 (1)	20,451	1	129	-	-	-	-	12 (1)	20,580	-	-	-	-	-	-	-	-	1	240	-	-
May	6	8,555	1	288	-	-	1	6,836	8	15,679	-	-	-	-	-	-	-	-	2	225	(1)	-
June	4 (1)	2,814	1	750	-	-	3	16,701	8 (1)	20,265	-	-	-	-	-	-	-	-	5	1,233	-	-
July	3	4,669	-	-	-	-	10	11,923	13	16,592	-	-	-	-	1	253	-	-	2	100	-	-
August	9	40,454	2	5,358	A/N 1	8,326	3	12,020	15	66,158	-	-	-	-	-	-	-	-	2	375	-	-
September	9	13,742	-	-	A/N 2	2,737	8	21,071	19	37,550	-	-	-	-	-	-	-	-	1	13	5	1,332
October	13	31,055	-	-	A/N 1	5,397	11	20,085	25	56,537	-	-	-	-	-	-	-	-	3	3,010	2	146
November	6	5,781	2	5,781	-	-	24	44,806	32	56,371	-	-	(3)	-	14	27,671	1	8,404	5	330	9	13,935
December	23	49,237	5	8,338	A/N 3	10,761	21	29,846	52	98,182	-	-	-	-	-	-	-	-	2	316	4 (1)	985
1943																						
January	30 (2)	36,855	4	16,931	A/N 1	6,107	13 (1)	41,605	48 (3)	101,496	-	-	2	623	18	18,432	-	-	8	2,003	8	657
February	22 (2)	46,292	3	1,734	-	-	28	44,433	53 (2)	92,459	-	-	-	-	1	3,708	-	-	11	2,265	3	50
March	25	38,911	2	145	-	-	46	68,776	73	107,832	-	-	1	268	-	-	-	-	4	8,143	7	1,872
April	24	40,947	3	664	A/N 3	11,904	53 (1)	63,020	83 (1)	116,535	1	37	-	-	3	1,652	-	-	5	1,055	20 (1)	1,282
May	19	17,403	-	-	-	-	94 (2)	101,066	113 (2)	118,489	4	512	12	2,481	6 (1)	7,777	-	-	3	72	9 (8)	1,117
June	15	45,353	2	1,463	-	-	19	31,418	36	78,234	1	2,500	1	1,541	1	876	-	-	-	-	4 (2)	953
July	24	44,937	3	2,436	-	-	27 (2)	36,288	54 (2)	83,661	-	-	1	96	7	333	-	-	10	5,664	37	9,005
August	9	13,889	1	1,416	-	-	28	38,329	38	53,634	1	105	1	29	2	15,239	-	-	4	519	4	276
September	16	36,517	7	9,714	-	-	8	15,443	31	61,674	-	-	3	496	9	19,438	14	62,906	10	20,746	78 (1)	24,356
Italian Surrender	-	-	-	-	-	-	-	-	-	-	-	-	101 (13)	183,591	168	76,298	1	470	-	-	-	-
October	13	33,166	2 (1)	1,496	-	-	6	13,646	21 (1)	48,308	1	3,082	5	16,992	2	1,457	8	12,702	2	3,326	4	349

MONTHLY TOTALS OF ENEMY MERCHANT SHIPPING SUNK BY, OR THE SINKINGS OF WHICH WERE SHARED BY ALLIED AIRCRAFT
 IN THE MEDITERRANEAN 10th June 1940 to 2nd MAY 1945

YEAR and MONTH	R.A.F.		R.A.F. and F.A.A. Shared		R.A.F. and U.S.A.A.F. Shared		F.A.A.		U.S.A.A.F.		Totals Sunk by Aircraft (Allied)		R.A.F. and Navy Shared		U.S.A.A.F., F.A.A. and Navy/Mine Shared		Totals Shared by Aircraft (Allied)		Totals in columns (6) and (9) analysed into 'At Sea' and 'In Port'			
	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)	
	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.	Ships	G.R.T.
1940																						
June	1	440	-	-	-	-	-	-	-	-	1	440	-	-	-	-	-	-	1	440	-	-
July	-	-	-	-	-	-	4	26,793	-	-	4	26,793	-	-	-	-	-	-	-	4	26,793	
August	1	2,822	-	-	-	-	1	1,976	-	-	2	4,798	-	-	-	-	-	-	1	1,976	1	2,822
September	1	17	-	-	-	-	3	11,340	-	-	4	11,357	-	-	-	-	-	-	-	4	11,357	
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
November	2	81	-	-	-	-	-	-	-	-	2	81	-	-	-	-	-	-	1	54	1	27
December	5	8,941	-	-	-	-	-	-	-	-	5	8,941	-	-	-	-	-	-	2	8,437	3	504
1941																						
January	-	-	-	-	-	-	1	3,950	-	-	1	3,950	-	-	-	-	-	-	1	3,950	-	-
February	3	343	-	-	-	-	1	4,920	-	-	4	5,263	-	-	-	-	-	-	1	4,920	3	343
March	-	-	-	-	-	-	1	7,289	-	-	1	7,289	-	-	-	-	-	-	-	1	7,289	
April	-	-	-	-	-	-	2	4,557	-	-	2	4,557	1	1,524	-	-	1	1,524	1	1,228	2	4,853
May	3	11,188	-	-	-	-	-	-	-	-	3	11,188	1	4,857	-	-	1	4,857	3	9,703	1	6,342
June	7	13,353	-	-	-	-	-	-	-	-	7	13,353	-	-	-	-	-	-	3	12,566	4	787
July	4	11,199	2	7,016	-	-	2	4,502	-	-	8	22,717	-	-	-	-	-	-	5	20,950	3	1,767
August	7	8,983	1	6,813	-	-	3	19,400	-	-	11	35,196	-	-	-	-	-	-	6	27,195	5	8,001
September	7	14,087	2	7,192	-	-	1	6,338	-	-	10	27,617	-	-	F 1	5,996	1	5,996	8	31,676	3	1,937
October	8	4,174	-	-	-	-	3	20,517	-	-	11	24,691	-	-	F 1	4,786	1	4,786	7	28,925	5	552
November	9	8,910	-	-	-	-	-	-	-	-	9	8,910	-	-	-	-	-	-	4	6,834	5	2,076
December	2	913	-	-	-	-	1	1,235	-	-	3	2,148	1	10,540	-	-	1	10,540	3	12,021	1	667
1942																						
January	-	-	1	13,098	-	-	1	5,741	-	-	2	18,839	-	-	-	-	-	-	2	18,839	-	-
February	1	145	-	-	-	-	-	-	-	-	1	145	-	-	F 2	10,257	2	10,257	3	10,402	-	-
March	4	13,192	-	-	-	-	-	-	-	-	4	13,192	-	-	F 1 (+ minv)	1,778	1	1,778	2	1,866	3	13,104
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
May	1	6,836	-	-	-	-	-	-	-	-	1	6,836	-	-	-	-	-	-	1	6,836	-	-
June	3	16,701	-	-	-	-	-	-	-	-	3	16,701	-	-	-	-	-	-	3	16,701	-	-
July	6	11,370	-	-	4	553	-	-	-	-	10	11,923	-	-	-	-	-	-	1	6,339	9	5,584
August	3	12,020	-	-	-	-	-	-	-	-	3	12,020	1	8,326	-	-	1	8,326	4	20,346	-	-
September	4	10,780	-	-	-	-	1	2,261	3	8,030	8	21,071	2	2,737	-	-	2	2,737	6	15,736	4	8,072
October	8	15,127	-	-	1	4,870	-	-	2	88	11	20,085	1	5,397	-	-	1	5,397	7	23,761	5	1,721
November	14	22,090	-	-	-	-	1	10,534	9	12,182	24	44,806	-	-	-	-	-	-	13	34,487	11	10,319
December	8	9,186	-	-	-	-	6	13,404	7	7,256	21	29,846	-	-	F 3	10,761	3	10,761	10	25,903	14	14,704
1943																						
January	3(1)	6,988	-	-	-	-	-	-	10	34,617	13(1)	41,605	-	-	F 1	6,107	1	6,107	7	27,738	7(1)	19,974
February	7	31,394	-	-	-	-	-	-	21	13,039	28	44,433	-	-	-	-	-	-	9	34,538	19	9,895
March	5	6,828	1	10,495	-	-	1	4,048	39	47,405	46	68,776	-	-	-	-	-	-	12	39,868	34	28,908
April	4	4,950	-	-	3	5,119	1	424	45(1)	52,527	53(1)	63,020	1	1,942	U.S. 1 - F 1	4,638/5,324	3	11,904	12	32,336	44(1)	42,588
May	8	12,102	-	-	4	9,202	-	-	82(2)	79,782	94(2)	101,086	-	-	-	-	-	-	14	12,158	80(2)	88,928
June	5	3,893	-	-	-	-	1	179	13	27,346	19	31,418	-	-	-	-	-	-	6	13,283	13	18,135
July	8	20,083	-	-	15(2)	6,065	-	-	4	10,140	27(2)	36,288	-	-	-	-	-	-	8	24,372	19(2)	11,916
August	8	6,025	-	-	10	1,356	-	-	10	30,948	28	38,329	-	-	-	-	-	-	7	1,362	21	36,967
September	5	5,781	-	-	-	-	-	-	3	9,662	8	15,443	-	-	-	-	-	-	1	1,171	7	14,272
October	1	4,470	-	-	-	-	-	-	5	9,176	6	13,646	-	-	-	-	-	-	2	4,775	4	8,871
November	2	2,935	-	-	1	3,667	-	-	6	3,861	9	10,463	-	-	-	-	-	-	1	3,494	8	6,969
December	3	1,051	-	-	1	8,446	-	-	5	473	9	9,970	-	-	-	-	-	-	1	54	8	9,916
1944																						
January	5	10,238	-	-	8	935	-	-	9	1,484	22	12,657	-	-	-	-	-	-	6	9,350	16	3,307
February	8	10,508	-	-	4	5,397	-	-	16	7,140	28	23,045	-	-	-	-	-	-	6	13,263	22	9,782
March	19(1)	13,877	-	-	1	91	-	-	20	34,803	40(1)	48,771	-	-	-	-	-	-	9(1)	5,585	31	43,186
April	10	2,383	-	-	-	-	-	-	4	7,547	14	9,930	-	-	-	-	-	-	1	545	13	9,385
May	6	778	-	-	2	5,191	-	-	18	21,268	26	27,237	-	-	-	-	-	-	-	-	26	27,237
June	6	4,907	-	-	7	187	-	-	6	14,904	19	19,998	-	-	-	-	-	-	6	8,361	13	11,637
July	10	8,900	-	-	-	-	-	-	3	51,809	13	60,709	-	-	-	-	-	-	4	8,148	9	52,561
August	8	789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	18	26	43,595
September	7	54,623	-	-	4	3,824	-	-	15	39,000	27	43,613	-	-								

(*) Excluding the Red and Black Seas and West of the Strait of Gibraltar.

NOTE: Numbers of ships in brackets denote ships of unknown, usually very low tonnages, and are additional to those unbracketed.

TABLE 17

ENEMY MERCHANT SHIPPING SUNK BY ALL CAUSES, CAPTURED, SURRENDERED AND SCUTTLED IN

(1)

THE MEDITERRANEAN - 10th June 1940 to 2nd May 1945GRAND TOTALS

CAUSE	TOTALS		GRAND TOTALS		Tonnage totals by Allied action expressed in percentages
	(2) Ships	(3) Tonnage	(2) Ships	(3) Tonnage	
<u>BY ALLIED ACTION</u>					
Navy	542 (15)	1,179,498			44.12
Mine	111 (2)	174,476			6.53
Air/Navy shared	18	83,192			3.11
Air/Mine shared	1	1,778			.07
Air	769 (7)	1,234,197			46.17
Total sunk by Allied action			1,441 (24)	2,673,141	100.00
<u>BY CAUSES OTHER THAN ALLIED ACTION</u>					
Sabotage	13	16,447			
Captured or surrendered	218 (16)	300,513			
Scuttled	564 (24)	735,804			
Enemy Air	27	91,343			
Other causes	173 (1)	86,619			
Cause unknown	646 (32)	243,656			
Total lost by causes other than Allied action			1,641 (73)	1,474,382	
GRAND TOTALS - ALL CAUSES			3,082 (97)	4,147,523	

(1) Excluding the Red and Black Seas and West of the Strait of Gibraltar.

(2) Numbers of ships in brackets denote ships of unknown, usually very low, tonnages, and are additional to those unbracketed.

(3) Gross registered tonnage.

TABLE 18

ENEMY MERCHANT SHIPPING SUNK BY, OR THE SINKINGS OF WHICH WERE SHARED BY ALLIED AIRCRAFT

(1)

IN THE MEDITERRANEAN - 10th June 1940 to 2nd May 1945GRAND TOTALSANALYSIS OF THE SINKINGS BY THE R.A.F., F.A.A. AND U.S.A.A.F.

Major Air Arm	Ships	(5) Tonnage	Total tonnages sunk by aircraft expressed as percentages
<u>SUNK</u>			
R.A.F. (2)	273 (2)	440,040	40.05
R.A.F./F.A.A. shared	7	44,614	
R.A.F./U.S.A.A.F. shared	74 (2)	64,017	
F.A.A. (3)	38	150,935	14.04
U.S.A.A.F. (4)	377 (3)	534,591	45.91
Total sunk by Allied aircraft	769 (7)	1,234,197	100.00
<u>SHARED</u>			
R.A.F./Navy shared	8	35,323	
F.A.A./Navy shared	9	43,231	
U.S.A.A.F./Navy shared	1	4,638	
F.A.A./Mine shared	1	1,778	
Total shared by Allied aircraft	19	84,970	

Of the above 788 (7) ships there were sunk:-

	Ships	Tonnage	Tonnages expressed as percentages
At sea	226 (1)	652,766	49.48
In port	562 (6)	666,401	50.52
Total	788 (7)	1,319,167	100.00

(1) Excluding the Red and Black Seas and West of the Strait of Gibraltar.

(2) Including formations associated or under operational control, such as S.A.A.F.

(3) F.A.A. units ceased anti-shiping operations from land bases after June 1943.

(4) The first U.S.A.A.F. merchant shipping sinkings were in September 1942. In the later stages they had a few French Air Force units under command.

(5) Gross registered tonnage.

NOTE: Numbers of ships in brackets denote ships of unknown, usually very low, tonnages, and are additional to those unbracketed.

SECRET

TABLE 19

WARSHIPS

(*) MONTHLY TOTALS OF ENEMY WARSHIPS SUNK BY ALL CAUSES, SCUTTLED, CAPTURED OR SURRENDERED IN THE
(#) MEDITERRANEAN - 10th June 1940 to 2nd May 1945

YEAR AND MONTH	NAVY		MINE		AIR/NAVY SHARED		AIR (ALLIED)		TOTALS SUNK BY ALLIED ACTION		SABOTAGE		CAPTURED OR SURRENDERED		SCUTTLED		AIR (ENEMY)		OTHER KNOWN CAUSES		CAUSE UNKNOWN		
	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)		
	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	
1940																							
June	2	1,693	-	-	-	-	-	-	2	1,693	-	-	-	-	-	-	-	-	-	-	-	-	
July	1	5,069	-	-	-	-	4	5,155	5	10,224	-	-	-	-	-	-	-	-	-	-	-		
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
September	2	882	1	1,092	-	-	1	1,073	4	3,047	-	-	-	-	-	-	-	-	-	-	-		
October	3	2,978	1	1,197	-	-	-	-	4	4,175	-	-	-	-	-	-	-	-	1	433	-	-	
November	-	-	-	-	-	-	1	23,622	1	23,622	-	-	-	-	-	-	-	-	1	682	-	-	
December	-	-	2	1,295	-	-	-	-	2	1,295	-	-	-	-	-	-	-	-	-	-	-	-	
1941																							
January	1	642	-	-	-	-	-	-	1	642	-	-	-	-	3	9,508	-	-	-	-	-	-	
February	1	5,008	-	-	-	-	-	-	1	5,008	-	-	-	-	1	337	-	-	-	-	-	-	
March	4	23,436	2	2,069	2	10,061	1	642	9	35,908	-	-	-	-	-	-	-	-	-	-	-		
April	3	4,355	1	616	-	-	-	-	4	4,971	-	-	-	-	-	-	-	-	1	15	-	-	
May	-	-	3	2,970	-	-	1	652	4	3,622	-	-	-	-	-	-	-	-	-	1	670		
June	1	340	-	-	-	-	-	-	1	340	-	-	-	-	-	-	-	-	-	-	-	-	
July	1	266	-	-	-	-	4	682	5	948	-	-	-	-	-	-	-	-	-	-	-	-	
August	1	4,028	-	-	-	-	1	295	2	4,323	-	-	-	-	-	-	-	-	-	-	-	-	
September	1	139	1	104	-	-	-	-	2	243	-	-	-	-	-	-	-	-	-	-	-	-	
October	-	-	2	1,284	-	-	1	679	3	1,963	-	-	-	-	-	-	-	-	-	-	-	-	
November	2 (1)	2,668	-	-	-	-	-	-	2 (1)	2,668	-	-	-	-	-	-	-	-	-	-	-	-	
December	3 (1)	10,817	-	-	1	1,917	-	-	4 (1)	12,734	-	-	-	-	-	-	-	-	1	100	-	-	
1942																							
January	-	-	1	100	-	-	-	-	1	100	-	-	-	-	-	-	-	-	3	140	-	-	
February	-	-	1	60	-	-	-	-	1	60	-	-	-	-	-	-	-	-	2 (1)	3,069	-	-	
March	1 (1)	20	-	-	-	-	-	-	1 (1)	20	-	-	-	-	-	-	-	-	-	-	-	-	
April	2	5,239	-	-	-	-	-	-	2	5,239	-	-	-	-	-	-	-	-	-	-	-	-	
May	2	1,967	1	50	-	-	-	-	3	2,017	-	-	-	-	-	-	-	-	-	-	-	-	
June	1	1,568	1	171	1	10,000	-	-	3	11,739	-	-	-	-	-	-	-	-	2	3,123	-	-	
July	-	-	-	-	-	-	3	360	3	360	-	-	-	-	-	-	-	-	-	-	-	-	
August	-	-	3	875	-	-	15	1,620	18	2,495	-	-	-	-	-	-	-	-	5	600	-	-	
September	-	-	1 (1)	-	-	-	3 (1)	919	3 (2)	919	-	-	-	-	-	-	-	-	2	240	-	-	
October	1	1,917	-	-	-	-	2 (1)	270	3 (1)	2,187	-	-	-	-	-	-	-	-	-	-	-	-	
November	1	120	1	80	-	-	4 (5)	1,681	6 (5)	1,881	-	-	-	-	6	673	-	-	10	1,674	-	-	
December	3	4,518	1	169	1	795	9 (1)	7,991	14 (1)	13,473	-	-	-	-	-	-	-	-	2	379	-	-	
1943																							
January	7	4,268	6	6,710	-	-	10	3,020	23	13,998	1	3,362	-	-	4	546	-	-	4	1,299	4	766	
February	1	132	4	2,205	-	-	8	1,512	13	3,849	-	-	-	-	-	-	-	-	10	1,020	-	-	
March	3	5,674	7	4,746	1	60	16 (1)	3,372	27 (1)	13,852	-	-	-	-	-	-	-	-	3 (1)	950	1	120	
April	8	6,461	3	1,065	-	-	30 (2)	20,449	41 (2)	27,975	-	-	-	-	8 (1)	-	-	-	5	1,470	-	-	
May	4	3,277	-	-	-	-	48	11,031	52	14,308	-	-	-	-	-	-	-	-	4	300	3	360	
June	4	1,687	-	-	-	-	8	6,673	12	8,360	-	-	-	-	-	-	-	-	-	1	120	-	
July	2	650	1 (1)	-	-	-	15	2,128	17 (1)	2,778	-	-	-	-	-	-	-	-	-	-	-	-	
August	9	13,671	1	565	-	-	38	7,498	48	21,734	-	-	6	998	4	371	-	-	1	20	-	-	
September	4	1,585	-	-	-	-	-	-	4	1,585	-	-	2	211	7	510	-	-	1	106	2	320	
October	8	4,297	2	3,106	-	-	1 (1)	20	11 (1)	7,423	1	616	-	-	-	-	-	-	1	120	7	953	
November	9 (2)	1,345	-	-	-	-	5 (3)	3,652	14 (5)	4,997	-	-	-	-	-	-	-	-	2	370	-	-	
December	2 (2)	2,478	1	120	-	-	4 (8)	314	7 (10)	2,912	(1)	-	2	28	-	120	-	-	1	60	3	846	
Italian Surrender - A	-	-	-	-	-	-	-	-	-	-	-	89	320,137	-	-	-	-	-	-	-	-	-	
Italian Surrender - B	1	450	1	1,917	-	-	-	-	2	2,367	4	840	6	2,339	72	53,295	9	36,473	20	7,402	18	1,620	
1944																							
January	4 (3)	484	1 (1)	40	-	-	28 (9)	1,859	33 (13)	2,383	-	-	-	-	-	-	-	-	1 (8)	30	-	-	
February	2 (1)	1,824	4	979	-	-	12 (7)	2,080	18 (8)	4,883	-	-	-	-	-	-	-	-	3 (4)	513	-	-	
March	12 (1)	1,500	1	696	-	-	50 (6)	6,406	63 (7)	8,602	-	-	-	-	1	20	-	-	2 (2)	45	-	-	
April	9 (5)	1,859	2	959	-	-	19 (16)	2,555	30 (21)	5,373	(1)	-	1 (1)	22	1	565	-	-	2 (3)	-	-	-	
May	15 (5)	3,799	1 (1)	200	1	60	34 (21)	4,985	51 (27)	9,044	-	-	1 (1)	-	-	-	-	-	1 (8)	-	-	-	
June	12 (5)	6,342	2	2,927	-	-	30 (15)	5,486	44 (20)	14,755	2 (6)	20,000	-	-	3 (2)	361	-	-	1 (5)	120	-	-	
July	11 (3)	2,153	2 (1)	100	-	-	24 (20)	6,652	37 (24)	8,905	-	-	1 (2)	90	2	590	-	-	2 (5)	685	-	-	
August	16 (6)	2,742	3	796	-	-	31 (6)	5,199	50 (12)	8,737	(1)	-	-	-	-	-	-	-	2 (2)	-	-	-	
September	21 (12)	3,741	1 (2)	80	-	-	37 (29)	18,440	59 (43)	22,261	-	-	-	-	1	13	-	-	5 (3)	392	-	-	
October	17 (8)	5,642	1 (1)	-	-	-	18 (44)	4,233	35 (53)	9,875	1	60	-	-	4 (4)	33,066	-	-	2 (6)	240	-	-	
November	2	1,154	3	230	-	-	9 (4)	2,288	14 (4)	3,672	1 (2)	-	-	-	5 (8)	270	-	-	3 (5)	235	-	-	
December	1 (2)	20	-	-	-	-	1 (7)	150	2 (9)	170	1 (1)	100	1	20	-	-	-	-	3 (1)	160	-	-	
1945																							
January	3 (1)	180	(3)	-	-	-	1 (6)	80	4 (10)	260	(1)	-	-	-	-	-	-	-	1 (3)	20	-	-	
February	3	5,620	-	-	-	-	19 (3)	45,178	22 (3)	50,798	-	-	1	696	-	-	-	-	-	1	395	-	-
March	3 (1)	2,187	-	-	-	-	2 (23)	1,261	5 (24)	3,448	-	-	-	-	-	-	-	-	-	-	-	-	
April	1 (1)	696	-	-	-	-	1 (11)	120	2 (12)	816	1	30,817	7	1,001	35	11,573	-	-	1 (1)	36	-	-	
May	-	-	-	-	-	-	-	-	-	-	-	-	1	1,463	7	1,850	-	-	1 (2)	-	-	-	
Found sunk at end of war	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,832	-	-	-	-	-	-	
War sinkings - no date etc.	-	-	1	60	-	-	8	19,722	9	19,782	-	-	9	1,422	6	500	-	-	(1)	-	56 (9)	12,294	
TOTAL	231(61)	163,288	68 (11)	39,633	7	22,893	557(250)	232,004	863(322)	457,818	11(13)	55,795	126(4)	328,427	174(15)	119,790	13	38,360	107(63)	26,443	96(10)	18,089	

(*) Excluding submarines

(#) Excluding the Red and Black Seas and West of the Strait of Gibraltar.

NOTE: Numbers of ships in brackets denote ships of unknown, usually very low, tonnages, and are additional to those unbracketed.

SECRET

SECRET

TABLE 20

WARSHIPS

MONTHLY TOTALS OF ENEMY WARSHIPS SUNK BY, OR THE SINKINGS OF WHICH WERE SHARED BY
(1)
ALLIED AIRCRAFT IN THE MEDITERRANEAN - 10th June 1940 to 2nd May 1945

YEAR AND MONTH	R.A.F.		R.A.F. AND U.S.A.A.F. SHARED		F.A.A.		U.S.A.A.F.		TOTALS SUNK BY AIRCRAFT		R.A.F. AND NAVY SHARED		F.A.A. AND NAVY SHARED		U.S.A.A.F. AND NAVY SHARED		TOTALS SHARED BY AIRCRAFT		Total of Columns (5) and (9) analysed into 'At Sea' and 'In Port'			
	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		AT SEA (10)		IN PORT (11)	
	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage	Ships	Tonnage
1940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	1	1,917	-	-	3	3,238	-	-	4	5,155	-	-	-	-	-	-	-	-	-	4	5,155	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
September	-	-	-	-	1	1,073	-	-	1	1,073	-	-	-	-	-	-	-	-	-	1	1,073	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	1	23,622	-	-	1	23,622	-	-	-	-	-	-	-	-	-	1	23,622	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1941	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	1	642	-	-	1	642	1	61	1	10,000	-	-	2	10,061	2	10,642	1	61
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	1	652	-	-	-	-	-	-	1	652	-	-	-	-	-	-	-	-	-	1	652	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	4	682	-	-	-	-	-	-	4	682	-	-	-	-	-	-	-	-	2	40	2	642
August	1	295	-	-	-	-	-	-	1	295	-	-	-	-	-	-	-	-	1	295	-	-
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	1	679	-	-	-	-	-	-	1	679	-	-	-	-	-	-	-	-	-	-	1	679
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	1	1,917	-	-	-	-	1	1,917	1	1,917	-	-
1942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	1	10,000	-	-	1	10,000	1	10,000	-	-
July	3	360	-	-	-	-	-	-	3	360	-	-	-	-	-	-	-	-	2	240	1	120
August	10	1,020	-	-	4	480	1	120	15	1,620	-	-	-	-	-	-	-	-	4	480	11	1,140
September	2	799	-	-	-	-	1 (1)	120	3 (1)	919	-	-	-	-	-	-	-	-	1	679	2 (1)	240
October	-	-	-	-	-	-	2 (1)	270	2 (1)	270	-	-	-	-	-	-	-	-	-	-	2 (1)	270
November	1 (2)	330	-	-	-	-	3 (3)	1,351	4 (5)	1,681	-	-	-	-	-	-	-	-	-	-	4 (5)	1,681
December	1	120	-	-	-	-	8 (1)	7,871	9 (1)	7,991	-	-	1	795	-	-	1	795	2	915	8 (1)	7,871
1943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
January	1	330	-	-	-	-	9	2,690	10	3,020	-	-	-	-	-	-	-	-	4	660	6	2,360
February	1	472	-	-	-	-	7	1,040	8	1,512	-	-	-	-	-	-	-	-	4	320	4	1,192
March	1	869	-	-	-	-	15 (1)	2,503	16 (1)	3,372	-	-	-	-	1	60	1	60	2	160	15 (1)	3,272
April	1	1,620	2 (1)	85	-	-	27 (1)	18,744	30 (2)	20,449	-	-	-	-	-	-	-	-	9 (1)	3,571	21 (1)	16,878
May	1	120	-	2,165	-	-	41	8,746	48	11,031	-	-	-	-	-	-	-	-	7	3,010	41	8,021
June	2	1,891	-	-	1	1,339	5	3,443	8	6,673	-	-	-	-	-	-	-	-	2	1,176	6	5,497
July	2	240	-	-	-	-	13	1,888	15	2,128	-	-	-	-	-	-	-	-	9	1,073	6	1,055
August	9	2,452	19	2,640	-	-	10	2,406	38	7,498	-	-	-	-	-	-	-	-	16	2,767	22	4,731
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 (1)	20	-	-
November	3 (2)	200	-	-	-	-	2 (1)	3,452	5 (3)	3,652	-	-	-	-	-	-	-	-	1	80	4 (3)	3,572
December	2 (2)	220	-	-	-	-	2 (6)	94	4 (8)	314	-	-	-	-	-	-	-	-	1	90	3 (8)	224
1944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
January	6 (5)	253	5 (1)	829	-	-	17 (3)	777	28 (9)	1,859	-	-	-	-	-	-	-	-	6 (1)	430	22 (8)	1,429
February	5 (3)	705	-	-	-	-	7 (4)	1,375	12 (7)	2,080	-	-	-	-	-	-	-	-	4 (1)	220	8 (6)	1,860
March	34 (3)	2,958	1	795	-	-	15 (3)	2,653	50 (6)	6,406	-	-	-	-	-	-	-	-	24 (1)	3,351	26 (5)	3,055
April	12 (16)	1,025	-	-	-	-	7	1,530	19 (16)	2,555	-	-	-	-	-	-	-	-	4 (5)	80	15 (11)	2,475
May	16 (13)	1,749	-	-	-	-	18 (8)	3,236	34 (21)	4,985	1	60	-	-	-	-	-	-	11 (5)	1,335	24 (16)	3,710
June	19 (10)	3,097	2	470	-	-	9 (5)	1,919	30 (15)	5,486	-	-	-	-	-	-	-	-	22 (7)	2,936	8 (8)	2,550
July	12 (13)	1,470	-	-	-	-	12 (7)	5,182	24 (20)	6,652	-	-	-	-	-	-	-	-	9 (3)	955	15 (17)	5,697
August	11 (1)	1,040	1	20	-	-	19 (5)	4,139	31 (5)	5,199	-	-	-	-	-	-	-	-	10	1,020	21 (6)	4,179
September	13 (12)	3,384	-	-	1 (2)	120	23 (15)	14,936	37 (29)	18,440	-	-	-	-	-	-	-	-	8 (7)	2,534	29 (22)	15,906
October	16 (38)	4,023	2 (5)	210	-	-	-	(1)	-	4,233	-	-	-	-	-	-	-	-	3 (17)	836	15 (27)	3,397
November	9 (4)	2,288	-	-	-	-	-	-	-	2,288	-	-	-	-	-	-	-	-	2 (2)	815	7 (2)	1,473
December	-	-	-	-	-	-	1	150	1 (7)	150	-	-	-	-	-	-	-	-	1	150	7 (7)	-
1945	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
January	1 (6)	80	-	-	-	-	-	-	1 (6)	80	-	-	-	-	-	-	-	-	(5)	-	1 (1)	80
February	3 (1)	4,280	1	69	-	-	15 (2)	40,829	19 (3)	45,178	-	-	-	-	-	-	-	-	-	-	19 (3)	45,178
March	1 (17)	696	-	-	-	-	1 (2)	565	2 (23)	1,261	-	-	-	-	-	-	-	-	(11)	-	2 (12)	1,261
April	-	-	-	-	-	-	1 (1)	120	1 (11)	120	-	-	-	-	-	-	-	-	-	-	1 (3)	120
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
War sinkings - no date etc.	-	-	5	8,436	-	-	3	11,286	8	19,722	-	-	-	-	-	-	-	-	-	-	8	19,722
TOTAL	206(160)	42,316	44(17)	15,719	12(2)	30,514	295(71)	143,455	557(250)	232,004	3	2,038	3	20,795	1	60	7	22,893	176(75)	52,797	388(175)	202,100

(1) Excluding the Red and Black Seas and West of the Strait of Gibraltar.

NOTE: Numbers of ships in brackets denote ships of unknown, usually very low, tonnages, and are additional to those unbracketed.

SECRET

(1) SECRET
ENEMY WARSHIPS SUNK BY ALL CAUSES, SCUTTLED, CAPTURED AND SURRENDERED IN THE
 (2)
MEDITERRANEAN - 10th June 1940 to 2nd May 1945

TABLE 21

GRAND TOTALS

CAUSE	TOTALS		GRAND TOTALS		Tonnage Totals by Allied action expressed as percentages
	(3) Ships	(4) Tonnage	(3) Ships	(4) Tonnage	
<u>BY ALLIED ACTION</u>					
Navy	231 (61)	163,288			35.66
Mine	68 (11)	39,633			8.66
Air/Navy shared	7	22,893			5.90
Air	557 (250)	232,004			50.68
Total sunk by Allied action			863 (322)	457,818	100.00
<u>BY CAUSES OTHER THAN ALLIED ACTION</u>					
Sabotage	11 (13)	55,795			
Captured or Surrendered	126 (4)	328,427			
Scuttled	174 (15)	119,790			
Air (Enemy)	13	38,360			
Other causes	107 (63)	26,443			
Cause unknown	96 (10)	18,089			
Total lost by causes other than Allied action			527 (105)	586,904	
GRAND TOTALS - ALL CAUSES			1,390 (427)	1,044,722	

- (1) Excluding submarines
 (2) Excluding the Red and Black Seas and West of the Strait of Gibraltar.
 (3) Numbers of ships in brackets denote ships of unknown, usually low tonnages, and are additional to those unbracketed.
 (4) Standard displacement.

(1) SECRET
ENEMY WARSHIPS SUNK BY, OR THE SINKINGS OF WHICH WERE SHARED BY ALLIED AIRCRAFT IN THE
 (2)
MEDITERRANEAN - 10th June 1940 to 2nd May 1945

TABLE 22

GRAND TOTALS

ANALYSIS OF THE SINKINGS BY THE R.A.F., F.A.A. AND U.S.A.A.F.

Major Air Arm	Ships	Tonnage ⁽⁶⁾	Total tonnages sunk by aircraft expressed as percentages ⁽⁷⁾
<u>SUNK</u>			
R.A.F. (3)	206 (160)	42,316	21.03
R.A.F./U.S.A.A.F. shared	44 (17)	15,719	
F.A.A. (4)	12 (2)	30,514	16.80
U.S.A.A.F. (5)	295 (71)	143,455	62.17
Total sunk by Allied aircraft	557 (250)	232,004	100.00
<u>SH RED</u>			
R.A.F./Navy shared	3	2,038	
F.A.A./Navy shared	3	20,795	
U.S.A.A.F./Navy shared	1	60	
Total shared by Allied aircraft	7	22,893	

Of the above 564 (250) ships, there were sunk:-

	Ships	Tonnage	Tonnages expressed as percentage
At sea	176 (75)	52,797	20.71
In port	388 (175)	202,100	79.29
Total	564 (250)	254,897	100.00

- (1) Excluding submarines
 (2) Excluding the Red and Black Seas and West of the Strait of Gibraltar.
 (3) Including formations associated or under operational control, such as S.A.A.F.
 (4) F.A.A. units ceased anti-shipping operations from land bases after June 1943.
 (5) The first U.S.A.A.F. warship sinkings were in August 1942. In the later period, they had a few French units under command.
 (6) Standard displacement.
 (7) The total of 243,450 tons analysed into percentages is arrived at by adding one-half of 22,893 tons to 232,004 tons.
 NOTE: Numbers of ships in brackets denote ships of unknown, usually very low, tonnages, and are additional to those unbracketed.

SECRET

TABLE 23

(1)
ENEMY MERCHANT SHIPS AND WARSHIPS SUNK BY ALL CAUSES, SCUTTLED, CAPTURED AND
(2)
SURRENDERED IN THE MEDITERRANEAN - 10th June 1940 to 2nd May 1945

ABSTRACT OF TOTALS

Cause	MERCHANT SHIPS			WARSHIPS		
	Ships	(3) Tonnage	Tonnages expressed as percentages	Ships	(4) Tonnage	Tonnages expressed as percentages
BY ALLIED ACTION						
Navy	542 (15)	1,179,498	44.12	231 (61)	163,288	35.66
Mine	111 (2)	174,476	6.53	68 (11)	39,633	8.66
Air/Navy shared	18	83,192	3.11	7	22,893	5.00
Air/Mine shared	1	1,778	.07	-	-	-
Air	769 (7)	1,234,197	46.17	557 (250)	232,004	50.68
Total sunk by Allied action	1,441 (24)	2,673,141	100.00	863 (322)	457,818	100.00
BY CAUSES OTHER THAN ALLIED ACTION						
Sabotage	13	16,447		11 (13)	55,795	
Captured or surrendered	218 (16)	300,513		126 (4)	328,427	
Scuttled	564 (24)	735,304		174 (15)	119,790	
Enemy Air	27	91,343		13	38,360	
Other causes	173 (1)	86,619		107 (63)	26,443	
Cause unknown	646 (32)	243,656		96 (10)	18,089	
Total lost by other than Allied action	1,641 (73)	1,474,382		527 (105)	586,904	
GRAND TOTALS - ALL CAUSES	3,082 (97)	4,147,523		1,390 (427)	1,044,722	

- (1) Excluding submarines
(2) Excluding the Red and Black Seas, and West of the Strait of Gibraltar
(3) Gross registered tonnage
(4) Standard displacement

NOTE: Numbers of ships in brackets denote ships of unknown, usually very low, tonnages, and are additional to those unbracketed.

TABLE 24

(1)
ENEMY MERCHANT SHIPS AND WARSHIPS SUNK BY, OR THE SINKING OF WHICH WERE SHARED BY ALLIED AIRCRAFT
(2)
IN THE MEDITERRANEAN - 10th June 1940 to 2nd May 1945

ABSTRACT OF TOTALS

MAJOR AIR ARM	MERCHANT SHIPS			WARSHIPS		
	Ships	(6) Tonnage	Total Tonnages sunk by aircraft expressed as percentages	Ships	(7) Tonnage	Total Tonnages sunk by aircraft expressed as percentages
SUNK						
(3)						
R.A.F.	273 (2)	440,040	40.05	206 (160)	42,316	21.03
R.A.F./F.A.A. shared	7	44,614				
R.A.F./U.S.A.A.F. shared	74 (2)	64,017		44 (17)	15,719	
F.A.A.(4)	38	150,935	14.04	12 (2)	30,514	16.80
U.S.A.A.F.(5)	377 (3)	534,591	45.91	295 (71)	143,455	62.17
Total sunk by Allied aircraft	769 (7)	1,234,197	100.00	557 (250)	232,004	100.00
SHARED						
R.A.F./Navy shared	8	35,323		3	2,038	
F.A.A./Navy shared	9	43,231		3	20,795	
U.S.A.A.F./Navy shared	1	4,638		1	60	
F.A.A./Mine shared	1	1,778		-	-	
Total shared by Allied aircraft	19	84,970		7	22,893	
GRAND TOTALS	788 (7)	1,319,167		564 (250)	254,897	

- (1) Excluding Submarines
(2) Excluding the Red and Black Seas and West of the Strait of Gibraltar
(3) Including formations associated or under operational control such as S.A.A.F.
(4) F.A.A. units ceased anti-shipping operations from land bases after June 1943.
(5) The first U.S.A.A.F. warship sinkings were in August 1942. In the later period they had a few French units under command.
(6) Gross registered tonnage
(7) Standard displacement

NOTE: Numbers of ships in brackets denote ships of unknown, usually very low tonnages, and are additional to those unbracketed.

SECRET

PART III

GERMAN AND ITALIAN U-BOAT LOSSES

Introduction

The following tables give the losses among German and Italian U-boats in all the areas in which they operated during the Second World War. Such areas have been grouped into three main regions - the Western Oceans and Seas, the Mediterranean and Black Seas, and the Indian Ocean and Red Sea.

The existing Official List of Sinkings published soon after the War has been examined in conjunction with German and Italian U-boat Command and individual U-boat log records held by the Admiralty Foreign Documents Section. In the light of further evidence from these sources it has been necessary to amend certain causes of loss. A basic chronological list, from which these tables are constructed, is held at the Air Ministry Historical Branch. It gives the U-boat number or name with the date, position and detailed cause of loss.

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TABLE 25

MONTHLY TOTALS OF GERMAN AND ITALIAN U-BOATS DESTROYED FROM ALL CAUSES

(1)
IN THE WESTERN OCEANS - 3rd September 1939 to 8th May 1945 (2)

YEAR AND MONTH	ALLIED NAVY			SHARED NAVY/AIR			ALLIED AIR			M I N E						OTHER KNOWN CAUSES (3)			CAUSE UNKNOWN			TOTALS		GRAND TOTALS
										AIR LAID			SEA LAID											
	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	
1939																								
September	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
October	2	-	2	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	5	-	5
November	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
December	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
1940																								
January	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	-	2
February	4	-	4	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	5	-	5
March	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
April	3	-	3	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	5	-	5
May	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	2	-	2
July	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	
August	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	-	2	
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
October	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
November	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
December	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
1941																								
January	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
February	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
March	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	5
April	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
May	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
June	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	5
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
August	1	1	2	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4
September	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
October	2	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
November	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	-	2	-	1	1	3	1	4
December	4	-	4	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	7	-	7
1942																								
January	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
February	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
March	3	-	3	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	5	-	5
April	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	3	-	3
May	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
June	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
July	5	1	6	2	-	2	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	11	1	12
August	3	-	3	1	-	1	4	-	4	-	-	-	-	-	-	1	-	1	-	1	1	9	1	10
September	4	-	4	-	-	-	4	-	4	2	-	2	-	-	-	-	-	-	-	-	-	11	-	11
October	3	-	3	-	-	-	10	-	10	1	-	1	-	-	-	-	-	-	1	-	1	15	-	15
November	3	-	3	-	-	-	4	-	4	-	-	-	-	-	-	1	-	1	-	-	-	8	-	8
December	3	-	3	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	5	-	5
1943																								
January	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-	1	-	1	4	-	4
February	7	-	7	-	-	-	8	-	8	-	-	-	-	-	-	1	-	1	-	-	-	16	-	16
March	4	-	4	-	-	-	7	-	7	-	-	-	-	-	-	1	-	1	1	-	1	13	-	13
April	5	-	5	1	-	1	7	1	8	1	-	1	-	-	-	-	-	-	-	-	-	14	1	15
May	11	1	12	5	-	5	19	1	20	-	-	-	-	-	-	2	-	2	1	-	1	38	2	40
June	6	-	6	-	-	-	10	-	10	-	-	-	-	-	-	-	-	-	-	-	1	16	1	17
July	3	-	3	-	-	-	31	-	31	-	-	-	-	-	-	-	-	-	-	-	-	34	-	34
August	2	-	2	1	-	1	16	-	16	-	-	-	-	-	-	3	-	3	1	-	1	23	-	23
September	1	-	1	-	-	-	5	-	5	-	-	-	-	-	-	2	-	2	-	-	-	8	-	8
October	5	-	5	1	-	1	18	-	18	-	-	-	-	-	-	-	-	-	-	-	-	24	-	24
November	7	-	7	1	-	1	9	-	9	-	-	-	-	-	-	2	-	2	-	-	-	19	-	19
December	1	-	1	1	-	1	2	-	2	1	-	1	-	-	-	1	-	1	-	-	-	6	-	6
1944																								
January	5	-	5	-	-	-	6	-	6	1	-	1	-	-	-	-	-	-	2	-	2	14	-	14
February	10	-	10	1	-	1	5	-	5	1	-	1	-	-	-	2	-	2	-	-	2	19	-	19
March	6	-	6	5	-	5	5	-	5	-	-	-	-	-	-	2	-	2	1	-	1	19	-	19
April	9	-	9	2	-	2	5	-	5	1	-	1	-	-	-	1	-	1	1	-	1	19	-	19
May	3	-	3	3	-	3	10	-	10	-	-	-	-	-	-	1	-	1	-	-	-	17	-	17
June	5	-	5	4	-	4	16	-	16	-	-	-	-	-	-	-	-	-	-	-	-	25	-	25
July	8	-	8	-	-	-	11	-	11	1	-	1	-	-	-	-	-	-	-	-	-	22	-	22
August	8	-	8	4	-	4	5	-	5	3	-	3	-	-	-	6	-	6	-	-	-	26	-	26
September	3	-	3	1	-	1	5	-	5	-	-	-	1	-	1	-	-	-	3	-	3	13	-	13
October	1	-	1	-	-	-	6	-	6	-	-	-	-	-	-	4	-	4	1	-	1	12	-	12
November	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	5	-	5
December	4	-	4	-	-	-	5	-	5	1	-	1	-	-	-	3	-	3	1	-	1	14	-	14
1945																								
January	5	-	5	-	-	-	3	-	3	1	-	1	-	-	-	2	-	2	3	-	3	14	-	14
February	12	-	12	1	-	1	2	-	2	1	-	1	-	-	-	5	-	5	1	-	1	22	-	22
March	10	-	10	-	-	-	18	-	18	2	-	2	2	-	2	-	-	-	-	-	-	32	-	32
April	19	-	19	1	-	1	28	-	28	-	-													

(1) These include the Atlantic and Arctic Oceans, and the North and Baltic Seas.

(2) Italian losses are computed up to 8th September 1943.

(3) Soviet action, grounding, collision, accident, scuttling etc.

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TABLE 26

MONTHLY TOTALS OF GERMAN AND ITALIAN U-BOATS DESTROYED BY ALLIED AIR FORCES, OR THE DESTRUCTION OF WHICH WAS SHARED BY ALLIED AIR AND NAVAL FORCES IN THE WESTERN OCEANS (1) - 3rd September 1939 to 8th May 1945 (2)

YEAR AND MONTH	AIRCRAFT AT SEA (Unassisted by surface ship action)												AIR RAIDS			AIR LAID MINES		SHARED ALLIED AIR/SHIPS				GRAND COMBINED TOTALS				
	R.A.F. AND R.A.F.-CONTROLLED			F.A.A.		U.S. AIR FORCES						COMBINED TOTALS AIRCRAFT ACTION AT SEA	BOMBER COMMAND	U.S.A. A.P.	TOTAL AIR RAIDS	BOMBER/COASTAL COMBAT	TOTALS AIR ACTION ALONE									
	COASTAL COMMAND BOMBER COMMAND CANADIAN EASTERN AIR CMD WEST AFRICA AIR COMMAND SECOND T.A.F.	(a) (b) (c) (d) (e)	COMBINED TOTAL	Ge.	It.	SHORE-BASED		SHIP BORNE		TOTAL	Ge.						Ce.						Ge.	Ce.	Ge.	It.
						NAVAL	ARMY	NAVAL	TOTAL																	
Ge.	It.		Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.		Ge.	Ce.	Ge.	Ce.	Ge.	It.	Ge.	It.							
1939 (No U-boats destroyed by aircraft)																										
1940																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	1 shared						
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
March	1 (b)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
April	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	1 shared						
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
1941																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
August	1 (a)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1 shared	1 + 1 shared						
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	1 shared						
November	1 (a)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
December	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	1 + 1 shared						
1942																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
March	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-	-	-	2	-	2						
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
May	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-						
June	(2 (a))	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
July	(1 (c))	-	3	-	-	1	-	-	-	1	4	-	-	-	-	-	4	-	2 shared	4 + 2 shared						
August	(2 (a))	-	2	-	-	1	1	-	-	2	4	-	-	-	-	-	4	-	1 shared	4 + 1 shared						
September	(4 (a))	-	4	-	-	-	-	-	-	-	4	-	-	-	2	6	-	-	-	6						
October	(7 (a))	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
November	(2 (c))	-	9	-	-	1	-	-	-	1	10	-	-	-	1	11	-	-	-	11						
December	(3 (a))	-	3	-	-	-	-	-	-	-	4	-	-	-	-	4	-	-	-	4						
	(2 (a))	-	2	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	2						
1943																										
January	1 (a)	-	1	-	-	2	-	-	-	2	3	-	-	-	-	3	-	-	-	3						
February	8 (a)	-	8	-	-	-	-	-	-	-	8	-	-	-	-	8	-	-	-	8						
March	5 (a)	-	5	-	-	1	1	-	-	2	7	-	-	-	-	7	-	-	-	7						
April	6 (a)	-	6	-	-	1	1	-	-	1	8	-	-	-	1	8	1	1 shared	-	9 + 1 shared						
May	(16 (a))	1 (a)	18	1	-	-	-	-	1	1	20	-	-	-	-	19	1	5 shared	-	20 + 5 shared						
June	(7 (a))	-	6	-	-	-	-	-	2	2	10	-	-	-	-	10	-	-	-	10						
July	(12 (a))	-	12	-	-	9	3	-	6	18	30	-	1	1	-	31	-	-	-	31						
August	(6 (a))	-	8	-	-	1	1	-	6	8	16	-	-	-	-	16	-	1 shared	-	16 + 1 shared						
September	(4 (a))	-	4	-	-	1	-	-	-	1	5	-	-	-	-	5	-	-	-	5						
October	(11 (a))	-	12	-	-	-	-	-	6	6	18	-	-	-	-	18	-	1 shared	-	18 + 1 shared						
November	(1 (c))	-	6	-	-	2	-	-	1	3	9	-	-	-	-	9	-	1 shared	-	9 + 1 shared						
December	1 (a)	-	1	-	-	-	-	-	1	1	2	-	-	-	1	3	-	1 shared	-	3 + 1 shared						
1944																										
January	5 (a)	-	5	-	-	-	-	-	1	1	6	-	-	-	1	7	-	-	-	7						
February	3 (a)	-	3	-	-	1	-	-	-	1	5	-	-	-	1	6	-	1 shared	-	6 + 1 shared						
March	2 (a)	-	2	-	-	-	-	-	1	1	5	-	-	-	-	5	-	5 shared	-	5 + 5 shared						
April	2 (a)	-	2	-	-	-	-	-	1	1	4	-	-	-	-	6	-	2 shared	-	6 + 2 shared						
May	7 (a)	-	7	-	-	-	-	-	-	-	10	-	-	-	-	10	-	3 shared	-	10 + 3 shared						
June	15 (a)	-	15	-	-	-	-	-	1	1	16	-	-	-	-	16	-	4 shared	-	16 + 4 shared						
July	6 (a)	-	6	-	-	-	-	-	1	1	7	-	-	-	-	12	-	-	-	12						
August	3 (a)	-	3	-	-	1	-	-	1	1	5	-	-	-	-	8	-	4 shared	-	8 + 4 shared						
September	3 (a)	-	3	-	-	1	-	-	-	1	5	-	-	-	-	5	-	1 shared	-	5 + 1 shared						
October	(2 (a)) / FAA	-	2	-	-	-	-	-	-	-	1	-	-	5	-	6	-	-	-	6						
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
December	1 (a)	-	1	-	-	-	-	-	-	-	2	-	1	2	3	6	-	1 shared	-	6 + 1 shared						
1945																										
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
February	1 (a)	-	1	-	-	-	-	-	-	-	1	-	3	1	1	3	-	1 shared	-	4						
March	4 (a)	-	4	-	-	-	-	-	-	-	4	-	13	14	2	20	-	-	-	20						
April	10 (a)	-	10	-	-	-	-	-	-	-	10	-	6	18	-	28	-	1 shared	-	28 + 1 shared						
May	(14 (a))	-	14	-	-	-	-	-	-	-	25	-	-	-	-	25	-	-	-	25						
TOTALS	181 1/2 (a)	1 (a)	201 1/2	15 1/2	-	23	1	8	-	29	60	1	278	22	28	50	17	343	2	40 shared	1 shared	345 + 41 shared				

- (1) These include the Atlantic and Arctic Oceans, and the North and Baltic Seas.
 (2) Italian losses are computed up to 8th September 1943.

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TABLE 27

MONTHLY TOTALS OF GERMAN AND ITALIAN U-BOATS DESTROYED FROM ALL CAUSES IN THE
(1)
MEDITERRANEAN AND BLACK SEAS - 17th June 1940 to 24th September 1944

(No U-Boats were destroyed by Mines in the Mediterranean)

YEAR AND MONTH	ALLIED NAVY			SHARED NAVY/AIR			ALLIED AIR			OTHER KNOWN CAUSES (2)			CAUSE UNKNOWN			TOTALS		GRAND TOTALS
	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	
<u>1940</u>																		
June	-	4	4	-	-	-	-	2	2	-	-	-	-	-	-	-	6	6
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
September	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
October	-	2	2	-	1	1	-	-	-	-	1	1	-	1	1	-	5	5
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
<u>1941</u>																		
January	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
July	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
August	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
September	-	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-	3	3
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
December	2	1	3	-	-	-	-	-	-	1	-	1	-	-	-	3	1	4
<u>1942</u>																		
January	1	2	3	-	-	-	1	-	1	-	-	-	-	-	-	2	2	4
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	3	3	-	-	-	-	-	-	1	-	1	-	-	-	1	3	4
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	1	-	1	1	-	1	1	2	1	-	-	-	-	-	-	3	-	3
June	-	-	-	-	-	-	1	2	3	-	-	-	-	-	-	1	2	3
July	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	2	2
August	-	3	3	1	-	1	-	-	-	-	-	-	-	-	-	1	3	4
September	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
October	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
November	2	3	5	-	-	-	3	1	4	-	-	-	-	-	-	5	4	9
December	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
<u>1943</u>																		
January	2	2	4	-	1	1	-	-	-	-	-	-	-	-	-	2	3	5
February	1	3	4	2	-	2	-	-	-	-	-	-	-	-	-	3	3	6
March	-	-	-	-	-	-	2	-	2	-	1	1	-	-	-	2	1	3
April	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
May	2	-	2	-	-	-	1	1	2	-	-	-	-	1	1	3	2	5
June	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
July	3	7	10	-	-	-	-	2	2	-	-	-	-	-	-	3	9	12
August	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
September	-	1	1	1	-	1	-	1	1	-	-	-	-	-	-	1	2	3
October	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
<u>1944</u>																		
January	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	3	-	3	-	-	-	2	-	2	-	-	-	-	-	-	5	-	5
April	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1	2	-	2
May	2	-	2	2	-	2	-	-	-	-	-	-	-	-	-	4	-	4
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	4	-	4	6	-	6	-	-	-	10	-	10
September	1	-	1	-	-	-	2	-	2	3	-	3	-	-	-	6	-	6
TOTAL ALL CAUSES	26	45	71	8	4	12	21	11	32	11	2	13	2	3	5	68	65	133

(1) Italian losses are computed up to 8th September 1943

(2) Grounding, collision, accident or scuttling.

SECRET

TABLE 28

MONTHLY TOTALS OF GERMAN AND ITALIAN U-BOATS DESTROYED BY ALLIED AIR FORCES, OR THE DESTRUCTION OF WHICH WAS SHARED BY ALLIED AIR AND NAVAL FORCES IN THE MEDITERRANEAN AND BLACK SEAS - 17th June 1940 to 24th September 1944⁽¹⁾

YEAR AND MONTH	AIRCRAFT AT SEA (Unassisted by surface ship action)							AIR RAIDS												TOTALS AIR ACTION ALONE		SHARED ALLIED AIR/SHIPS		GRAND COMBINED TOTALS
	R.A.F., R.A.F.-CONTROLLED AND F.A.A.						COMBINED TOTALS AIRCRAFT ACTION AT SEA	R.A.F.			U.S.A.A.F.			COMBINED TOTALS AIR RAIDS										
	MED. AIR			COASTAL COMMAND				Ger.	Ital.	Total	Ger.	Ital.	Total											
	Ger.	Ital.	Total	Ger.	Ital.	Total																		
1940	-	2	2	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-	2					
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
August	-	1 F.A.A.	1 F.A.A.	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1					
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	-	1 shared					
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	-	1 shared					
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
1941																								
(No U-Boats destroyed by aircraft)																								
1942																								
January	1	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1					
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
May	-	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-					
June	1 with F.A.A.	-	1	-	2	2	3	-	-	-	-	-	-	-	1	2	1 shared	-	1 + 1 shared					
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	-	1 shared					
September	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	1 shared	-	1 shared					
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1					
November	-	-	-	2+1 with F.A.A.	-	3	3	-	-	-	-	1	1	1	3	1	1 shared	-	1 shared					
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
1943																								
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 shared	-	1 shared					
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 shared	-	2 shared					
March	1	-	1	1	-	1	2	-	-	-	-	-	-	-	2	-	-	-	2					
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
May	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-					
June	1	-	1	-	-	-	1	-	-	-	1	1	1	1	1	1	-	-	2					
July	-	1	1	-	-	-	1	-	1	1	-	-	-	1	-	2	-	-	2					
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
September	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-					
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1 shared	-	1 + 1 shared					
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
1944																								
January	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-	-	-	1					
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
March	-	-	-	-	-	-	-	-	-	-	2	-	2	2	2	-	-	-	2					
April	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-	-	-	1					
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 shared	-	2 shared					
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
July	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-	-	-	1					
August	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	-	-	-	4					
September	-	-	-	-	-	-	-	-	-	-	2	-	2	2	2	-	-	-	2					
TOTAL	4 + 1 with F.A.A.	4 + 1 by F.A.A.	10	4 + 1 with F.A.A.	3	8	18	-	1	1	11	2	13	14	21	11	8 shared	4 shared	32 + 12 shared					

(1) Italian losses are computed up to 8th September 1943.

SECRET

MONTHLY TOTALS OF GERMAN AND ITALIAN U-BOATS DESTROYED FROM ALL CAUSES IN THE RED SEA, PERSIAN GULF AND

(1)
INDIAN OCEAN - 14th June 1940 to 23rd April 1945

(No U-Boats were destroyed by Mines in the Indian Ocean)

YEAR AND MONTH	ALLIED NAVY			ALLIED AIR			OTHER KNOWN CAUSES (2)			CAUSE UNKNOWN			TOTALS		GRAND TOTALS
	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	Total	Ger.	Ital.	
<u>1940</u> June	-	3	3	-	-	-	-	1	1	-	-	-	-	4	4
(No further U-Boats were destroyed until August 1943)															
<u>1943</u> August	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>1944</u> January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
March	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
September	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
October	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
November	1	-	1	-	-	-	-	-	-	1	-	1	2	-	2
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>1945</u> January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
TOTAL - ALL CAUSES	6	3	9	4	-	4	-	1	1	1	-	1	11	4	15

(1) Italian losses are computed up to 8th September 1943.

(2) Grounding, collision, accident etc.

MONTHLY TOTALS OF GERMAN U-BOATS⁽¹⁾ DESTROYED BY ALLIED
AIR FORCES IN THE RED SEA, PERSIAN GULF AND INDIAN OCEAN
14th June 1940 to 23rd April 1945

TABLE 30

YEAR AND MONTH	AIRCRAFT AT SEA R.A.F. AND R.A.F. - CONTROLLED
(No U-Boats were destroyed by aircraft until August 1943)	
<u>1943</u> August	1
September	-
October	1
November	-
December	-
<u>1944</u> January	-
February	-
March	1
April	-
May	1
June	-
July	-
August	-
September	-
October	-
November	-
December	-
<u>1945</u> January	-
February	-
March	-
April	-
TOTAL	4

(1) No Italian U-Boats were destroyed by Allied Air Forces in the Red Sea, Persian Gulf and Indian Ocean.

SECRET

AREA SUMMARY

TABLE 3]

GERMAN AND ITALIAN U-BOATS SUNK OR DESTROYED IN THE SECOND WORLD WAR BETWEEN 3RD SEPTEMBER 1939 AND 8TH MAY 1945 DIVIDED INTO THREE SEA AREAS AND CLASSIFIED AS TO AUTHOR AND CAUSE

I - German and Italian U-boats sunk or destroyed in the Atlantic, the Arctic, the North Sea and Baltic

YEAR	U-BOATS ACCOUNTED FOR SOLELY BY ALLIED AIR ACTION																TOTAL ALLIED		U-BOATS SHARED BETWEEN ALLIED AIRCRAFT AND SHIPS				U-BOATS SUNK SOLELY BY NAVAL ACTION						TOTAL ALLIED NAVIES ALONE		OTHER KNOWN CAUSES	CAUSE UNKNOWN		YEAR TOTALS	
	R.A.F. AND R.C.A.F.						F.A.A. SHIP BORNE SHARED WITH C.C.	FLEET AIR ARM		U.S. AIR FORCES				AIR LAID MINES R.A.F.	AIR-RAIDS ON PORTS																				
	COASTAL COMMAND CONTROLLED AIRCRAFT		2ND T.A.F	BOMBER COMMAND	WEST AFRICA COMMAND	E.A.C. CANADA		SHORE BASED	SHIP BORNE	SHORE BASED		SHIP BORNE U.S.N.	R.A.F		U.S.A.A.F																				
							U.S.N.			U.S.A.A.F.																									
	Ge.	It.	Ge.*	Ge.*	Ge.*	Ge.*	Ge.*	Ge.*	Ge.*	Ge.	It.	Ge.*	Ge.*	Ge.*	Ge.*	Ge.*	Ge.	It.	Ge.	It.	Ge.*	Ge.*	Ge.*	Ge.	It.	Ge.	It.	Ge.*	Ge.	It.	Ge.*	Ge.	It.	Ge.	It.
1939	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	1	-	3	9	-	-	-	-	9	-	
1940	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	2	-	2	-	-	-	11	1	2	1	2	15	2	2	3	-	24	2		
1941	2	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	1	1	1	-	-	21	5	-	1	-	21	6	3	1	1	30	8		
1942	20	-	-	-	-	3	-	-	1	4	-	3	3	-	34	-	-	-	-	3	30	1	1	-	-	31	1	3	2	1	73	2			
1943	83	1	-	-	3	2	-	-	1	17	1	5	23	2	1	137	2	4	-	2	3	50	1	2	-	-	52	1	12	4	1	215	4		
1944	47	-	-	-	-	-	1	-	10	2	-	-	6	8	9	87	-	8	-	6	2	61	-	3	-	1	65	-	23	9	-	205	-		
1945	29	-	10	-	-	-	-	-	1	-	-	-	-	4	13	80	-	2	-	-	-	46	-	2	-	3	51	-	10	7	-	150	-		
TOTALS	181	1	10	1	3	5	1	1	14	23	1	8	29	17	22	343	2	17	1	9	8	6	224	8	11	2	9	244	10	53	26	3	706	16	

* No Italian U-Boats were sunk or destroyed from this cause.

II - German and Italian U-boats sunk or destroyed in the Mediterranean and Black Seas

YEAR	R. A. F.				COASTAL COMMAND SHARED WITH SHIP BORNE F. A. A.		MED. AIR COMMAND SHARED WITH SHORE BASED F. A. A.		F. A. A. SHIP BORNE		AIR-RAIDS ON PORTS				TOTAL ALLIED AIR ALONE		SHARED BETWEEN AIRCRAFT AND SHIPS						NAVAL ACTION				TOTAL ALLIED NAVIES ALONE		OTHER KNOWN CAUSES		CAUSE UNKNOWN		YEAR TOTALS	
	R. A. F.		U. S. A. A. F.								COASTAL COMMAND		F. A. A. SHORE BASED				MED. AIR COMMAND		SHIPS		S/M.s													
					Ge.	It.	Ge.	It.	Ge.	It.					Ge.	It.							Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.
1940	-	-	-	2	-	-	-	-	-	1	-	-	-	-	3	-	-	-	-	-	2	-	6	-	1	-	7	-	1	-	1	-	14	
1941	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	3	1	3	4	9	1	-	-	1	-	10		
1942	3	3	1	-	1	-	1	-	-	-	-	-	1	6	4	1	-	-	1	2	-	3	8	1	7	4	15	1	-	-	14	20		
1943	1	-	3	2	-	-	-	-	-	-	-	1	-	4	4	1	-	-	-	2	1	9	9	3	5	12	14	-	1	1	1	20	21	
1944	-	-	-	-	-	-	-	-	-	-	-	-	11	-	11	-	-	-	-	2	-	6	-	-	-	6	-	9	-	1	-	29	-	
TOTALS	4	3	4	4	1	-	1	-	-	1	-	1	11	2	21	11	2	-	-	1	6	3	21	29	5	16	26	45	11	2	2	3	68	65

Note: No U-boats were sunk or destroyed in the Mediterranean and Black Seas by U.S. Air Forces at Sea or by R.A.F. Air laid or Navy laid mines

III - German and Italian U-boats sunk in the Red Sea, Persian Gulf and Indian Ocean

YEAR	R.A.F. AND S.A.A.F.						TOTAL ALLIED AIR ALONE		NAVAL ACTION				TOTAL ALLIED NAVIES ALONE		OTHER KNOWN CAUSES		CAUSE UNKNOWN		YEAR TOTALS		
	MIDDLE EAST COMMAND		EAST AFRICA COMMAND		SOUTH AFRICA COMMAND				SHIPS		S/M.s										
	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	Ge.	It.	
1940 (No U-boats were sunk in 1941 or 1942)	-	-	-	-	-	-	-	-	-	3	-	-	-	3	-	1	-	-	-	-	4
1943	1	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	
1944	1	-	-	-	1	-	2	-	1	-	4	-	5	-	-	-	1	-	8	-	
1945	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	-	
TOTALS	2	-	1	-	1	-	4	-	1	3	5	-	6	3	-	1	1	-	11	4	

Note: No U-boats were sunk in the Red Sea, Persian Gulf and Indian Ocean by U.S. Air Forces, Air Raids or Mines; or by action shared with Fleet Air Arm, or between aircraft and ships.

WAR TOTALS - ALL AREAS

Cause	German	Italian	Combined Totals
Allied air action	368	13	381
Allied naval action	276	58	334
Shared (aircraft and ships)	48	5	53
Other known causes	64	3	67
Cause unknown	29	6	35
	785	85	870

TABLE 32

GENERAL SUMMARY

GERMAN AND ITALIAN U-BOATS SUNK OR DESTROYED IN THE SECOND WORLD WAR BETWEEN
3rd September 1939 and 8th May 1945

AUTHOR OR CAUSE	1939		1940		1941		1942		1943		1944		1945		WAR TOTALS	
	Ger.	Ital.	Ger.	Ital.	Ger.	Ital.	Ger.	Ital.	Ger.	Ital.	Ger.	Ital.	Ger.	Ital.	Ger.	Ital.
Shore based R.A.F., R.C.A.F., S.A.A.F., U.S. Navy and U.S. Army aircraft	-	-	1	2	2	-	34	3	116	4	51	-	39	-	243	9
Shore based Fleet Air Arm	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-
Shared between R.A.F. and shore based F.A.A.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
Shared between R.A.F. and ship borne F.A.A.	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-
Ship borne Fleet Air Arm	-	-	1	1	-	-	1	-	1	-	10	-	1	-	14	1
Ship borne U.S. Navy aircraft	-	-	-	-	-	-	-	-	23	-	6	-	-	-	29	-
R.A.F. Air Laid mines	-	-	-	-	-	-	3	-	2	-	8	-	4	-	17	-
Air-raids R.A.F. on ports U.S.A.A.F.	-	-	-	-	-	-	-	-	-	1	9	-	13	-	22	1
	-	-	-	-	-	-	-	1	1	1	15	-	23	-	39	2
Shared between Air and ships	-	-	2	2	2	1	6	1	13	1	23	-	2	-	48	5
Br. and U.S. ships	5	-	11	10	24	11	33	9	59	10	68	-	46	-	246	40
Br. and U.S. submarines	1	-	2	2	1	4	2	7	5	5	7	-	3	-	21	18
Navy Laid mines	3	-	2	-	-	-	-	-	-	-	1	-	3	-	9	-
Other Known Causes i.e. Soviet action, collision and accident	-	-	2	2	4	-	4	-	12	1	32	-	10	-	64	3
Unknown Cause	-	-	3	1	1	2	2	1	5	2	11	-	7	-	29	6
Yearly Totals	9	-	24	20	35	18	87	22	237	25	242	-	151	-	785	85

Between the red lines is solely by Air action

Between the blue lines is solely by Naval vessels

= { 276 German }
 { 58 Italian } 334

Shared between Air and Naval vessels = { 48 German } 53
5 Italian

SECRET