

Family	Common name	Scientific name	Demographic parameter	Age class	Age (years)	Mean	Standard deviation	0.025 confidence interval	0.975 confidence interval	Standard error	Study area	Region	Country	Number of years in study	Data collection method (MR - mark-recapture; RR - Ring-recovery; Joint - ring-recovery and mark-recapture)	Estimation method (VR - variable recapture; CR - constant recapture)	Study Period	Reference (all references are listed in the main report)	Cited by	
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	adult		0.870							Iceland					Frederiksen 1998	Frederiksen and Petersen 2000	
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	adult		0.858					Flatey	W Iceland	Iceland	33	Joint	VR	1963-1996	Frederiksen 1999		
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	adult		0.870	0.034	0.855	0.884	0.007	Flatey	W Iceland	Iceland	21	MR	VR	1974-1995	Frederiksen and Petersen 1999a		
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	adult		0.130						Orkney; Shetland	UK		RR	CR	-1986	Ewins 1988		
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	adult		0.940					Mousa	Shetland	UK	2	MR	CR	1982-1984	Ewins 1989		
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	adult		0.804									MR			Preston 1968	Frederiksen and Petersen 1999a	
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	adult		0.704						Lofoten and Barents Sea	Norway	5			2002-2006	Anker-Nilssen 2007		
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	juvenile	0-1	0.489					Flatey	W Iceland	Iceland	33	RR		1963-1996	Frederiksen 1999		
Auks	Black guillemot	<i>Cepphus grylle</i>	survival	juvenile	0-1	0.731	0.239				Flatey	W Iceland	Iceland	21	MR		VR	1974-1995	Frederiksen and Petersen 1999a	
Auks	Black guillemot	<i>Cepphus grylle</i>	productivity			1.420	0.316			0.100	North Ronaldsay	Orkney	UK	10			1986-2005	Mavor et al 2008		
Auks	Black guillemot	<i>Cepphus grylle</i>	productivity			1.310	0.166			0.050	Auskerry	Orkney	UK	11			1986-2005	Mavor et al 2008		
Auks	Black guillemot	<i>Cepphus grylle</i>	productivity			1.500	0.201			0.090	Swona	Orkney	UK	5			1986-2005	Mavor et al 2008		
Auks	Black guillemot	<i>Cepphus grylle</i>	productivity			1.080	0.280			0.070	Old Lighthouse Island	NE Ireland	UK	16			1986-2005	Mavor et al 2008		
Auks	Black guillemot	<i>Cepphus grylle</i>	productivity			2.000	0.000			0.000	Mew Island	NE Ireland	UK	2			1986-2005	Mavor et al 2008		
Auks	Black guillemot	<i>Cepphus grylle</i>	productivity			1.260	0.226			0.080	Rockabill	SE Ireland	UK	8			1986-2005	Mavor et al 2008		
Auks	Black guillemot	<i>Cepphus grylle</i>	productivity			1.298	0.315				National average		UK	52				Mavor et al 2008		
Auks	Black guillemot	<i>Cepphus grylle</i>	dispersal	adult		0.010					Flatey	W Iceland	Iceland	22	MR		1974-1995	Frederiksen and Petersen 1999b		
Auks	Black guillemot	<i>Cepphus grylle</i>	dispersal	adult		<0.300												Preston 1968	Robinson and Ratcliffe 2010	
Auks	Black guillemot	<i>Cepphus grylle</i>	dispersal	adult		<0.300								5	MR			Asbirk 1979	Harris 1993	
Auks	Black guillemot	<i>Cepphus grylle</i>	dispersal	juvenile (natal)		0.657					Flatey	W Iceland	Iceland	1	MR	VR	1995	Frederiksen and Petersen 1999b		
Auks	Black guillemot	<i>Cepphus grylle</i>	age of recruitment			4.700					Flatey	W Iceland	Iceland	20	MR		1974-1994	Frederiksen 1998		

To assess **quality**, the estimate is scored on the number of years considered by the study, the number of individuals included per year and whether an estimation of the range or error is available with the estimation. To assess **representation**, the estimate is scored on whether the data reflects a UK-based study, includes recent data (<10 years old), and whether the trajectory of the study colony reflects the current UK population trend. Consequently, this scoring system assesses representation at the national scale. Each criterion receives a 0 for “no”, 1 for “partially or unknown and therefore requiring further evaluation”, and 2 for “yes”, scoring quality and representation individually out of 6. Where an estimate combines several studies that conflict on specific criteria, a 1 was awarded to signify partial characterisation. Notation: A - adult, J - juvenile, S - stable, Mixed - mixed, I - increasing, D - decreasing, U - unknown.

#### Data Quality

Species	Age	Current UK pop. trend	Survival				Productivity				Age of recruitment				Missed breeding				Dispersal			
			≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total	≥5 years	>30 Individual yr <sup>-1</sup>	Range of values available	Total
Black guillemot	A	S	2	2	2	6	2	2	2	6	2	0	2	4	-	-	-	-	2	2	0	4
	J	S	2	2	2	6	-	-	-	-	-	-	-	-	-	-	-	-	0	2	0	2

#### Data Representation

Species	Age	Current UK pop. trend	Survival				Productivity				Age of recruitment				Missed breeding				Dispersal			
			UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total	UK data	Current data	Current trend	Total
Black guillemot	A	S	0	0	2	2	2	0	2	4	0	0	2	2	-	-	-	-	0	0	2	2
	J	S	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	2