

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
Divers	Great northern diver	<i>Gavia immer</i>	survival	adult	>3	0.870		0.843	0.897	0.135	New England; Wisconsin		US	10	MR	VR	1991-2001	Mitro et al 2008	
Divers	Great northern diver	<i>Gavia immer</i>	survival	adult	>3	0.870		0.820	0.900	0.020	Wisconsin		US	16	MR	VR	1993-2009	Piper et al 2012	
Divers	Great northern diver	<i>Gavia immer</i>	survival	adult	>3	0.910		0.640	0.980	0.087	New England; Wisconsin		US	10	RR	VR	1991-2001	Mitro et al 2008	
Divers	Great northern diver	<i>Gavia immer</i>	survival	adult		0.870				0.078	Average		US	26				Mitro et al 2008; Piper et al 2012	
Divers	Great northern diver	<i>Gavia immer</i>	survival	juvenile	1	0.700		0.190	0.960	0.196	New England; Wisconsin		US	10	RR	VR	1991-2001	Mitro et al 2008	
Divers	Great northern diver	<i>Gavia immer</i>	survival	immature	2;3	0.800		0.380	0.970	0.151	New England; Wisconsin		US	10	RR	VR	1991-2001	Mitro et al 2008	
Divers	Great northern diver	<i>Gavia immer</i>	survival	immature	1;2;3	0.770		0.730	0.790	0.020	Wisconsin		US	16	MR	VR	1993-2009	Piper et al 2012	
Divers	Great northern diver	<i>Gavia immer</i>	productivity			0.610					Ontario		Canada	5			1982-1986	Croskery 1991	
Divers	Great northern diver	<i>Gavia immer</i>	productivity			0.589	0.235				Quebec		Canada	12			1992-2003	Timmermans et al 2005	
Divers	Great northern diver	<i>Gavia immer</i>	productivity			0.885					Wisconsin		US	2			1986-1987	Belant and Anderson 1991	
Divers	Great northern diver	<i>Gavia immer</i>	productivity			0.488	0.085				New Hampshire		US	29			1975-2004	Grear et al 2009	
Divers	Great northern diver	<i>Gavia immer</i>	productivity			0.543	0.170				Average			48				Belant and Anderson 1991; Croskery 1991; Timmermans et al 2005; Grear et al 2009	
Divers	Great northern diver	<i>Gavia immer</i>	incidences of non-breeding			0.330					Saskatchewan		Canada				Yonge 1981		Evers 2004
Divers	Great northern diver	<i>Gavia immer</i>	incidences of non-breeding			0.320					New Hampshire		US				Taylor and Vogel 2003		Evers 2004
Divers	Great northern diver	<i>Gavia immer</i>	incidences of non-breeding			0.270					New Hampshire		US	26			1976-2002	Evers 2004	
Divers	Great northern diver	<i>Gavia immer</i>	dispersal	adult		0.090	0.166				New England; Wisconsin		US	10	MR	VR	1991-2001	Mitro et al 2008	
Divers	Great northern diver	<i>Gavia immer</i>	dispersal	juvenile (natal)		0.069					Wisconsin		US	16	MR		1993-2009	Piper et al 2012	
Divers	Great northern diver	<i>Gavia immer</i>	age of recruitment			6.000					New Hampshire		US					Evers et al 2000	Evers 2004

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 ⁻¹	Range of values available	Total	≥5 years	>30 Individual yr ⁻¹	Range of values available	Total	≥5 years	>30 Individual yr ⁻¹	Range of values available	Total	≥5 years	>30 Individual yr ⁻¹	Range of values available	Total	≥5 years	>30 Individual yr ⁻¹	Range of values available	Total
Great northern diver	A	M	2	2	2	6	2	2	2	6	1	1	1	3	2	1	0	3	2	2	2	6
	J	M	2	2	2	6	-	-	-	-	-	-	-	-	-	-	-	-	2	0	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
Great northern diver	A	M	0	1	1	2	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
	J	M	0	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1	2