

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
Sea duck	Velvet scoter	<i>Melanitta fusca</i>	survival	adult		0.770												Garthe and Huppop 2004	
Sea duck	Velvet scoter	<i>Melanitta fusca</i>	survival	adult		0.773		0.755	0.791	0.018								Krementz et al 1997	
Sea duck	Velvet scoter	<i>Melanitta fusca deglandi</i>	productivity			0.684					Redberry Lake	Saskatchewan	Canada	4			1977-1980	Brown 1981	
Sea duck	Velvet scoter	<i>Melanitta fusca deglandi</i>	productivity			0.350	0.058	0.270	0.430	0.041	Redberry Lake	Saskatchewan	Canada	2	MR		2000-2001	Traylor et al 2004	
Sea duck	Velvet scoter	<i>Melanitta fusca</i>	productivity			0.031	0.043						Finland	3				Hildén 1964	
Sea duck	Velvet scoter	<i>Melanitta fusca</i>	productivity		0-40 days	5.350	1.485						Finland	2			1966-1967	Waaramaki 1968	Cramp et al 1977
Sea duck	Velvet scoter	<i>Melanitta fusca</i>	dispersal	adult		0.688					Redberry Lake	Saskatchewan	Canada	2			1975-1976	Brown and Brown 1981	
Sea duck	Velvet scoter	<i>Melanitta fusca</i>	age of recruitment			2.000					Aland	Baltic Sea	Finland					Hartman et al 2013	

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
Velvet scoter	A	D	1	1	2	4	0	1	2	3	1	1	0	2	-	-	-	-	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
Velvet scoter	A	D	0	0	1	1	0	0	1	1	0	1	1	2	-	-	-	-	0	0	1	1