

# BTO Bird Trends Explorer

## Summary statistics 2023



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**This document summarises the data as used in the latest version of the BTO Trends Explorer.**

### Summary of time series

The current BTO Trends Explorer contains 63,713 graph data points across 4,263 individual time series spanning 329 species (including populations). The number of species covered by each metric is shown in the table below.

Metric type	Metric	Source scheme	No. species
Population abundance	Long-term trend (1994-)	BBS	113
Population abundance	Long-term trend (1998-) along linear waterways	WBBS	76
Population abundance	Long-term trend (1970s-) along linear waterways	WBS-WBBS	25
Population abundance	Long-term trend (1960s-)	CBC-BBS	72
Population abundance	Long-term trend (RBBP)	RBBP abundance	2
Population abundance	Long-term trend at heronries	Heronries Census	1
Population abundance	Long-term trend at colonies	SMP colony counts	18
Population abundance	Adult abundance (CES)	CES abundance	23
Distribution	Range size	Birdatlas range size	329
Breeding performance	Long-term trend at colonies	SMP productivity	19
Breeding performance	Clutch size	NRS clutch size	90
Breeding performance	Brood size	NRS brood size	79
Breeding performance	Egg-stage nest failure rate	NRS egg-stage nest failure rate	90
Breeding performance	Chick-stage nest failure rate	NRS chick-stage nest failure rate	79
Breeding performance	Fledglings per breeding attempt	NRS productivity	79
Breeding performance	Whole-season productivity (CES)	CES productivity	23
Survival and mortality	Adult survival (recoveries)	Ringling survival	18
Survival and mortality	Adult survival (RAS)	RAS survival	24
Timing of life cycle events	Timing of breeding	NRS laying date	90
Timing of life cycle events	Onset of primary moult	Ringling moult timing	1

## Summary of time series

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Metric type	Metric	United Kingdom	England	Scotland	Wales	Northern Ireland
Population abundance	Long-term trend (1994-)	111	108	65	58	35
Population abundance	Long-term trend (1998-) along linear waterways	76	70	15	0	0
Population abundance	Long-term trend (1970s-) along linear waterways	25	0	0	0	0
Population abundance	Long-term trend (1960s-)	51	70	0	0	0
Population abundance	Long-term trend (RBBP)	2	1	2	2	2
Population abundance	Long-term trend at heronries	1	1	1	1	0
Population abundance	Long-term trend at colonies	18	0	0	0	0
Breeding performance	Long-term trend at colonies	18	7	18	4	0
Distribution	Range size	329	318	297	288	237
Breeding performance	Clutch size	90	0	0	0	0
Breeding performance	Brood size	79	0	0	0	0
Breeding performance	Egg-stage nest failure rate	90	0	0	0	0
Breeding performance	Chick-stage nest failure rate	79	0	0	0	0
Breeding performance	Fledglings per breeding attempt	79	0	0	0	0
Timing of life cycle events	Timing of breeding	90	0	0	0	0
Timing of life cycle events	Onset of primary moult	1	0	0	0	0