

UK Summary of changes Table 2022. Summary of species abundance changes in the UK from 2021 to 2022 and long-term (over the entire time series; no. yrs max = 47) and short-term (last 10-years) changes. Significance of trends: * P < 0.05 (significant), ** P < 0.01 (highly significant), ***P < 0.001 (very highly significant). Red text has been used to highlight those species that had their worst year of the series in 2022, and blue text for those species that had their best year of the series in 2022.

Species	Start Year	No. years with Index in 2022	No. sites monitored in 2022	2022 rank	% change 2021-2022	Series trend (%)	10-year trend (%)
Swallowtail	1976	46	27	33	-17	19	13
Dingy Skipper	1976	47	723	7	15	-1	15
Grizzled Skipper	1976	47	427	39	-16	-45***	22
Chequered Skipper	2003	20	12	3	-26	69	357**
Essex Skipper	1977	46	1207	30	3	-20	-25
Small Skipper	1976	47	2220	36	11	-71***	-37
Lulworth Skipper	1992	31	25	10	99	-71**	-13
Silver-spotted Skipper	1979	44	78	16	4	542***	-10
Large Skipper	1976	47	2206	42	5	-27	-29
Wood White	1979	44	80	20	6	-81***	82
Cryptic Wood White	2009	14	16	4	86	25	-18
Orange-tip	1976	47	2134	8	10	40**	32
Large White	1976	47	2816	37	3	-32	-17
Small White	1976	47	2826	29	-13	-15	0
Green-veined White	1976	47	2713	40	9	-20	-40
Clouded Yellow	1979	44	1039	12	265	618*	-61
Brimstone	1976	47	2123	12	-2	33*	1
Wall	1976	47	870	35	15	-85***	-8
Speckled Wood	1976	47	2659	14	17	96***	-12
Large Heath	1990	33	41	8	-19	371***	43
Small Heath	1976	47	1991	36	-25	-45**	37
Mountain Ringlet	N/A	N/A	4	N/A	N/A	N/A	N/A
Scotch Argus	1979	44	36	40	-36	37	-39
Ringlet	1976	47	2682	8	38	318***	-27
Meadow Brown	1976	47	2859	34	-8	-1	4
Gatekeeper	1976	47	2463	29	17	-42**	11
Marbled White	1976	47	1527	12	-4	78***	10
Grayling	1976	47	364	37	5	-70***	-5
Pearl-bordered Fritillary	1976	47	170	41	-9	-66***	12
Small Pearl-bordered Fritillary	1976	47	219	46	-32	-69***	-24
Silver-washed Fritillary	1976	47	1121	9	5	268***	-9
Dark Green Fritillary	1976	47	852	3	-7	300***	61
High Brown Fritillary	1978	45	60	33	-17	-63**	13
White Admiral	1976	47	427	30	46	-61***	-11
Purple Emperor	1979	44	144	2	55	136**	9
Red Admiral	1976	47	2777	20	-46	261***	108
Painted Lady	1976	47	2484	17	7	104	162
Peacock	1976	47	2757	37	-30	3	-33
Small Tortoiseshell	1976	47	2699	44	-32	-80***	-59
Comma	1976	47	2457	14	38	178***	-9
Marsh Fritillary	1981	42	217	14	45	3	-9
Glanville Fritillary	1989	34	16	15	-55	125	939
Heath Fritillary	1981	42	36	34	-10	-90***	95
Duke of Burgundy	1979	44	112	20	26	-35*	20
Small Copper	1976	47	2279	45	-32	-41*	6
Brown Hairstreak	1983	40	186	26	-8	-11	-14
Purple Hairstreak	1976	47	765	30	0	-25	40
Green Hairstreak	1976	47	804	21	52	-29*	17
White-letter Hairstreak	1976	47	346	31	-7	-76***	74
Black Hairstreak	1995	28	15	5	-31	475**	634
Small Blue	1978	45	361	8	23	26	93*
Holly Blue	1976	47	2125	14	87	129	106
Large Blue	1983	40	20	2	70	2215***	225*
Silver-studded Blue	1979	44	136	10	-11	68*	93**
Brown Argus	1976	47	1326	27	0	22	-2
Northern Brown Argus	1979	44	69	41	-48	-58**	0
Common Blue	1976	47	2479	32	17	-20	-26
Adonis Blue	1979	44	211	26	-23	100*	-29
Chalk Hill Blue	1976	47	333	7	-15	3	5