

**ENGLAND** Summary of changes table 2015. Summary of species abundance changes in England from 2014 to 2015 and long-term (over the entire time series; no. yrs max = 40) 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 2015, and blue text for those species that had their best year of the series in 2015.

Species	Start Year	No. years with Index in 2015	No. sites monitored in 2015	2015 rank	% change 2014-2015	Series trend (%)	10-year trend (%)
Swallowtail	1976	36	5	30	-65	66	23
Dingy Skipper	1976	40	317	13	-7	-8	90*
Grizzled Skipper	1976	40	218	35	0	-40**	-5
Essex Skipper	1977	39	787	28	7	-87***	14
Small Skipper	1976	40	1494	29	-6	-74***	112*
Lulworth Skipper	1992	24	14	14	-15	-72**	200
Silver-spotted Skipper	1979	37	36	9	-9	931***	53
Large Skipper	1976	40	1516	17	-19	-13	41
Wood White	1979	37	48	30	-10	-89***	41
Orange-tip	1976	40	1250	16	-21	-1	73
Large White	1976	40	1809	23	63	-29	-17
Small White	1976	40	1804	30	6	-24	1
Green-veined White	1976	40	1727	30	-35	-13	39
Clouded Yellow	1979	37	385	16	-67	758*	-33
Brimstone	1976	40	1361	1	7	7	38
Wall	1976	40	580	40	-51	-90***	-21
Speckled Wood	1976	40	1717	23	-28	79**	-4
Large Heath	N/A	N/A	3	N/A	N/A	N/A	N/A
Small Heath	1976	40	1151	33	-13	-61***	36
Mountain Ringlet	N/A	N/A	1	N/A	N/A	N/A	N/A
Scotch Argus	1995	21	13	19	86	-75***	-17
Ringlet	1976	40	1660	3	-19	401***	64
Meadow Brown	1976	40	1824	13	13	-2	12
Gatekeeper	1976	40	1684	24	19	-44**	-5
Marbled White	1976	40	963	1	0	56*	62
Grayling	1976	40	144	39	-30	-42**	1
Pearl-bordered Fritillary	1978	38	82	26	102	-58**	28
Small Pearl-bordered Fritillary	1978	38	98	33	-18	-43**	37
Silver-washed Fritillary	1976	40	431	5	-5	173***	5
Dark Green Fritillary	1976	40	334	8	3	414***	10
High Brown Fritillary	1978	38	63	24	-44	-65*	49
White Admiral	1976	40	211	31	-19	-60***	-43
Purple Emperor	1979	37	70	26	-25	59	-32
Red Admiral	1976	40	769	23	-40	240***	-45
Painted Lady	1976	40	633	17	172	144	-88
Peacock	1976	40	1764	12	-21	20	39
Small Tortoiseshell	1976	40	1758	27	-45	-73***	261*
Comma	1976	40	1621	15	12	148***	-26
Marsh Fritillary	1982	34	69	28	135	-77**	-87*
Glanville Fritillary	1989	24	8	11	67	-33	-75
Heath Fritillary	1981	35	40	35	-16	-89***	-84***
Duke of Burgundy	1979	36	96	18	-7	-40*	80*
Small Copper	1976	40	1353	40	-31	-40*	-47
Brown Hairstreak	1983	33	62	16	5	-14	-7
Purple Hairstreak	1976	40	446	32	14	-58*	-12
Green Hairstreak	1976	40	338	34	-21	-44**	-23
White-letter Hairstreak	1976	40	198	39	-6	-96***	-74*
Black Hairstreak	1995	20	9	4	141	-34	-78
Small Blue	1979	37	166	21	35	-37	-17
Holly Blue	1976	40	1301	12	235	44	-28
Large Blue	1983	33	32	3	129	1306***	25
Silver-studded Blue	1984	32	69	20	9	-29	7
Brown Argus	1976	40	791	22	-28	-23	7
Northern Brown Argus	1979	34	32	30	-9	-68***	16
Common Blue	1976	40	1574	20	-5	-16	32
Adonis Blue	1979	37	92	23	-2	158*	-46
Chalk Hill Blue	1976	40	181	23	-5	18	66

**SCOTLAND** Summary of changes table 2015. Summary of species abundance changes in Scotland from 2014 to 2015 and long-term (over the entire time series; no. yrs max = 37) 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 2015, and blue text for those species that had their best year of the series in 2015.

Species	Start Year	No. years with Index in 2015	No. sites monitored in 2015	2015 rank	% change 2014-2015	Series trend (%)	10-year trend (%)
Chequered Skipper	2003	9	19	8	14	-82***	-72*
Dingy Skipper	N/A	N/A	1	N/A	N/A	N/A	N/A
Small Skipper	N/A	N/A	3	N/A	N/A	N/A	N/A
Large Skipper	N/A	N/A	5	N/A	N/A	N/A	N/A
Orange-tip	1999	17	108	4	-28	248***	55
Large White	1979	37	108	37	-71	-10	-72
Small White	1979	37	108	34	-64	-19	-42
Green-veined White	1979	37	158	34	-67	21	45
Clouded Yellow	N/A	N/A	1	N/A	N/A	N/A	N/A
Wall	1999	17	10	14	-52	-85*	-34
Speckled Wood	2001	15	40	13	-46	2	-5
Large Heath	N/A	N/A	11	N/A	N/A	N/A	N/A
Small Heath	1979	37	112	10	-2	211***	-20
Mountain Ringlet	N/A	N/A	1	N/A	N/A	N/A	N/A
Scotch Argus	1990	26	33	8	0	44*	62
Ringlet	1999	17	129	3	-24	94**	44
Meadow Brown	1979	37	140	20	-14	5	-35
Grayling	1990	17	4	17	-20	-76***	-69*
Pearl-bordered Fritillary	2002	10	21	2	5	67*	27
Small Pearl-bordered Fritillary	1979	33	11	16	9	23	-49
Dark Green Fritillary	1979	35	14	33	-24	-34	-49
Red Admiral	1980	29	20	19	-51	87	-72
Painted Lady	1980	21	10	16	145	-71	-96*
Peacock	1995	21	133	12	-45	177*	-33
Small Tortoiseshell	1979	37	137	24	-35	-44	43
Comma	2006	10	34	7	-17	-43	-43
Marsh Fritillary	N/A	N/A	10	N/A	N/A	N/A	N/A
Small Copper	1979	37	87	29	38	-35	-45
Green Hairstreak	1990	15	6	12	-76	67	-24
Small Blue	2005	11	4	11	-74	13	-8
Holly Blue	N/A	N/A	2	N/A	N/A	N/A	N/A
Northern Brown Argus	1981	20	4	9	91	47	-41
Common Blue	1979	37	97	16	7	110	28

**WALES** Summary of changes table 2015. Summary of species abundance changes in Wales from 2014 to 2015 and long-term (over the entire time series; no. yrs max = 40) 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 2015, and blue text for those species that had their best year of the series in 2015.

Species	Start Year	No. years with Index in 2015	No. sites monitored in 2015	2015 rank	% change 2014-2015	Series trend (%)	10-year trend (%)
Dingy Skipper	2004	6	8	4	58	-51	-42
Grizzled Skipper	N/A	N/A	4	N/A	N/A	N/A	N/A
Essex Skipper	N/A	N/A	2	N/A	N/A	N/A	N/A
Small Skipper	1984	32	61	6	2	26	345***
Large Skipper	1977	39	50	18	-17	-73***	49
Orange-tip	1978	38	48	3	-27	339***	22
Large White	1976	40	82	39	-24	-60**	-63*
<b>Small White</b>	<b>1976</b>	<b>40</b>	<b>84</b>	<b>40</b>	<b>-57</b>	<b>-74***</b>	<b>2</b>
Green-veined White	1976	40	82	25	-54	79	58
<b>Clouded Yellow</b>	<b>1983</b>	<b>16</b>	<b>10</b>	<b>16</b>	<b>-100</b>	<b>-100*</b>	<b>-100</b>
Brimstone	1998	18	29	6	-5	-2	33
Wall	1976	40	50	34	-42	-39	37
Speckled Wood	1978	38	79	18	-34	109**	-17
Large Heath	N/A	N/A	2	N/A	N/A	N/A	N/A
Small Heath	1976	40	58	15	-15	25	60*
Ringlet	1983	33	77	2	-2	242***	162**
Meadow Brown	1976	40	89	15	-4	27	25
Gatekeeper	1978	38	74	16	16	37	-16
Marbled White	N/A	N/A	5	N/A	N/A	N/A	N/A
Grayling	1976	29	14	20	-33	-83***	37
Pearl-bordered Fritillary	1997	18	13	8	-56	244**	216*
Small Pearl-bordered Fritillary	1993	16	8	14	-22	-40*	19
Silver-washed Fritillary	1995	15	10	13	-45	-90**	54
Dark Green Fritillary	1979	21	16	11	4	-68***	99
High Brown Fritillary	1995	12	9	2	35	16	118
Red Admiral	1976	40	22	22	-53	129	-53
Painted Lady	1977	27	18	11	379	-43	-77
Peacock	1976	40	80	16	-2	-52*	40
Small Tortoiseshell	1976	40	87	23	-17	-35	94
Comma	1992	24	60	4	44	135*	-17
Marsh Fritillary	1990	26	22	12	-23	-77*	205
Small Copper	1976	40	63	33	-16	-55*	-12
Brown Hairstreak	N/A	N/A	1	N/A	N/A	N/A	N/A
Purple Hairstreak	2002	14	11	12	-68	-62	-70
Green Hairstreak	1993	21	8	5	-49	241*	84
White-letter Hairstreak	N/A	N/A	2	N/A	N/A	N/A	N/A
Small Blue	N/A	N/A	3	N/A	N/A	N/A	N/A
Silver-studded Blue	N/A	N/A	6	N/A	N/A	N/A	N/A
Holly Blue	1999	17	47	7	18	-36	-59
Brown Argus	1997	19	10	14	-59	36	-24
Common Blue	1976	40	70	34	-43	-14	3

**NORTHERN IRELAND** Summary of changes table 2015. Summary of species abundance changes in Northern Ireland from 2014 to 2015 and long-term (over the entire time series; no. yrs max = 12) 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 2015, and blue text for those species that had their best year of the series in 2015.

Species	Start Year	No. years with Index in 2015	No. sites monitored in 2015	2015 rank	% change 2014-2015	Series trend (%)	10-year trend (%)
Dingy Skipper	N/A	N/A	1	N/A	N/A	N/A	N/A
Cryptic Wood White	N/A	N/A	6	N/A	N/A	N/A	N/A
Orange-tip	2007	9	23	7	-44	-41	-41
Large White	2006	10	40	10	-69	-35	-35
Small White	2006	10	39	10	-72	-63	-63
Green-veined White	2005	11	47	10	-64	96	47
Speckled Wood	2007	9	43	9	-68	13	13
Small Heath	2006	10	21	8	0	-73*	-73*
Ringlet	2006	10	48	4	-40	179*	179*
Meadow Brown	2009	7	48	5	-11	-37	-37
Grayling	N/A	N/A	3	N/A	N/A	N/A	N/A
Silver-washed Fritillary	N/A	N/A	3	N/A	N/A	N/A	N/A
Dark Green Fritillary	N/A	N/A	7	N/A	N/A	N/A	N/A
Red Admiral	N/A	N/A	8	N/A	N/A	N/A	N/A
Painted Lady	N/A	N/A	6	N/A	N/A	N/A	N/A
Peacock	2006	10	34	9	-69	-77	-77
Small Tortoiseshell	2010	6	46	3	12	-65	-65
Marsh Fritillary	2004	12	10	10	-69	-4	-54
Small Copper	2005	11	22	11	-70	-46	-45
Green Hairstreak	N/A	N/A	2	N/A	N/A	N/A	N/A
Holly Blue	N/A	N/A	2	N/A	N/A	N/A	N/A
Common Blue	2005	11	17	2	10	-11	48