

## How to use this document

This document has been carefully designed to pack a lot of information into a small space!

Each page provides detailed information for up to six holes of ignorance in SP20.  
The left-hand column of each page labels the information in the other columns,  
each of which refers to a specific hole of ignorance.

For each hole of ignorance, the table provides:

- **1kID**: its four-figure OS grid reference
- **IgnoranceHue**: a colour code indicating how long it has been without records of any species of butterfly (key table below)
- **UTBstatus**: how it is split between (Be)rks, (Bu)cks, (Ox)on and (Ex)ternal (i.e. a county or counties other than Be, Bu or Ox)
- **UTB\_RoWL**: the length in metres of its public rights of way (footpath, bridleway, and byway)
- **Diversity**: the number of butterfly species that have ever been recorded in it

The ignorance hue is coded thus:

Colour code	Most recent records
Black	26+ years ago (if at all)
DeepPurple	21-25 years ago
DeepBlue	16-20 years ago
Blue	11-15 years ago
DeepGreen	6-10 years ago

The remainder of the table provides detailed information, in compressed form,  
about all the butterfly species that have been recorded from 2000-2024 in any of the holes of ignorance in SP20.  
i.e. each row refers to a species that has been recorded, in the period 2000-2024, in at least one hole of ignorance in SP20.  
The information for each species and each hole of ignorance is provided as a 'word' of 25 characters.  
The leftmost character corresponds to the year 2000, through to the rightmost which corresponds to the year 2024.  
If a species has not been recorded in a particular year, that information is shown as a dash (-).  
Otherwise, letters a, b, c, d, e ... are used to represent the number of records for that species in that year,  
using a geometric scale: a = 1, b = 2-3, c = 4-7, d = 8-15, e = 16-31, and so on.

Note: It is almost never necessary to sweat the exact detail of the information.

A quick glance will usually suffice to give a satisfactory high-level impression:

- has the species been recorded at all?
- if so, in many years or only a few?
- are there a lot of records in those years or only a few?
- and so on.

1kID	SP2007	SP2008	SP2103	SP2104	SP2105	SP2107
IgnoranceHue	Black	DarkBlue	Black	Blue	DarkBlue	Blue
UTBstatus	OxEx	OxEx	OxEx	OxEx	OxEx	Ox
UTB_RoWL	190.1	487.1	0.0	685.8	857.2	234.6
Diversity	0	10	0	4	6	14
Small Skipper	-----	-----	-----	-----	-----	-----a-----
Essex Skipper	-----	-----	-----	-----	-----	-----a-----
Large Skipper	-----	-----	-----	-----	-----	-----
Clouded Yellow	-----	-----	-----	-----	-----	-----
Brimstone	-----	a-----	-----	-----a-----	-----	-----a-----
Large White	-----	-----a-----	-----	-----a-----	-----a-----	-----a--a-----
Small White	-----	a-----a-----	-----	-----	-----a-----	-----a--a-----
Green-veined White	-----	a-----a-----	-----	-----	-----a-----	-----aa--a-----
Orange-tip	-----	a-----	-----	-----	-----	-----
Small Copper	-----	-----	-----	-----	-----	-----
Brown Argus	-----	-----	-----	-----	-----	-----
Common Blue	-----	-----a-----	-----	-----	-----a-----	-----a-----
Holly Blue	-----	-----	-----	-----	-----	-----
Red Admiral	-----	-----a-----	-----	-----	-----	-----
Painted Lady	-----	-----	-----	-----a-----	-----	-----
Small Tortoiseshell	-----	-----a-----	-----	-----	-----a-----	-----a-----
Peacock	-----	a-----	-----	-----	-----	-----a-----
Comma	-----	-----	-----	-----	-----	-----
Silver-washed Fritillary	-----	-----	-----	-----	-----	-----
Speckled Wood	-----	a-----a-----	-----	-----	-----a-----	-----a-----
Marbled White	-----	-----	-----	-----	-----	-----a-----
Gatekeeper	-----	-----	-----	-----	-----	-----a-----
Meadow Brown	-----	-----	-----	-----	-----	-----a-----
Ringlet	-----	-----	-----	-----	-----	-----a-----
Small Heath	-----	-----	-----	-----a-----	-----	-----

1kID	SP2108	SP2109	SP2200	SP2203	SP2204	SP2205
IgnoranceHue	DarkBlue	DarkGreen	Black	DarkBlue	Blue	Purple
UTBstatus	Ox	Ox	OxEx	Ox	Ox	Ox
UTB_RoWL	936.3	0.0	0.0	343.6	2062.9	321.6
Diversity	2	15	0	3	13	2
Small Skipper	-----	-----a-----	-----	-----	-----	-----
Essex Skipper	-----	-----	-----	-----	-----	-----
Large Skipper	-----	-----a-----	-----	-----	-----a-----	-----
Clouded Yellow	-----	-----	-----	-----	-----	-----
Brimstone	-----	a-----	-----	-----	-----	a-----
Large White	-----	-----a-----	-----	-----a-----	-----aa-----	-----
Small White	-----	-----a-----	-----	-----	-----aa-----	-----
Green-veined White	-----a-----	-----a-a-a-----	-----	-----a-----	-----a-----	-----
Orange-tip	-----	a-----a-----a-----	-----	-----	-----a-----	a-----
Small Copper	-----	-----	-----	-----	-----	-----
Brown Argus	-----	-----	-----	-----	-----	-----
Common Blue	-----	-----	-----	-----	-----a-----	-----
Holly Blue	-----	-----	-----	-----	-----	-----
Red Admiral	-----	-----a-----	-----	-----	-----	-----
Painted Lady	-----	-----	-----	-----	-----	-----
Small Tortoiseshell	-----	-----	-----	-----	-----	-----
Peacock	-----	-----a-----	-----	-----a-----	-----	-----
Comma	-----	-----a-----	-----	-----	-----a-----	-----
Silver-washed Fritillary	-----	-----a-----	-----	-----	-----	-----
Speckled Wood	-----a-----	-----	-----	-----	-----a-----	-----
Marbled White	-----	-----a-----	-----	-----	-----a-----	-----
Gatekeeper	-----	-----a-a-----	-----	-----	-----a-----	-----
Meadow Brown	-----	-----a-a-----	-----	-----	-----a-----	-----
Ringlet	-----	-----a-a-----	-----	-----	-----a-----	-----
Small Heath	-----	-----	-----	-----	-----a-----	-----

1kID	SP2300	SP2305	SP2306	SP2500	SP2508	SP2509
IgnoranceHue	DarkGreen	Black	Blue	DarkBlue	DarkGreen	Black
UTBstatus	OxEx	Ox	Ox	Ox	Ox	Ox
UTB_RoWL	1083.5	760.0	2069.4	0.0	279.1	469.7
Diversity	17	0	15	9	20	0
Small Skipper	a-----	-----	-----a-----	-----	---a-----	-----
Essex Skipper	a-----	-----	-----	-----	-----	-----
Large Skipper	-----a---a-----	-----	-----	-----	-----a---a-----	-----
Clouded Yellow	-----	-----	-----a-----	-----	-----	-----
Brimstone	-----aa-----	-----	-----a-----	a-----	a-----	-----
Large White	-----b---a-----	-----	-----a--a-----	-----	---a--a--a-----	-----
Small White	-----a---a-----	-----	-----a--a-----	-----a-----	-----a--a-----	-----
Green-veined White	-----a--aa-----	-----	-----a--a-----	-----a-----	-----a--a-----	-----
Orange-tip	-----	-----	-----	a-----	-----a-----	-----
Small Copper	-----	-----	-----a--a-----	-----	-----a-----	-----
Brown Argus	-----	-----	-----a-----	-----	-----a-----	-----
Common Blue	-----a-----	-----	-----a--a-----	-----	-----a-----	-----
Holly Blue	-----	-----	-----	-----	-----a-----	-----
Red Admiral	-----b-----	-----	-----	-----	-----a-----	-----
Painted Lady	-----a-----	-----	-----	-----a-----	-----a-----	-----
Small Tortoiseshell	-----a--aa--a-----	-----	-----a--a-----	-----	-----	-----
Peacock	-----aa-----	-----	-----a-----	-----	-----a-----	-----
Comma	-----	-----	-----a-----	-----	-----	-----
Silver-washed Fritillary	-----	-----	-----	-----	-----	-----
Speckled Wood	-----a-----	-----	-----a--a-----	-----a-----	a-----	-----
Marbled White	-----b-----	-----	-----	-----	-----a---a-----	-----
Gatekeeper	a-----b---aa-----	-----	-----a-----	-----a-----	---a--a--a-----	-----
Meadow Brown	a-----b---aa-----	-----	-----a-----	-----a-----	---a--a--a--a-----	-----
Ringlet	a-----b---a-----	-----	-----	-----a-----	-----a--a--a-----	-----
Small Heath	-----	-----	-----	-----	-----a-----	-----

1kID	SP2600	SP2605	SP2606	SP2607	SP2609	SP2700
IgnoranceHue	DarkGreen	DarkGreen	DarkGreen	DarkBlue	Black	DarkGreen
UTBstatus	Ox	Ox	Ox	Ox	Ox	Ox
UTB_RoWL	171.5	0.0	553.4	1027.1	1612.6	1406.7
Diversity	12	1	8	11	0	4
Small Skipper	-----	-----	-----	-----	-----	-----
Essex Skipper	-----	-----	-----	-----	-----	-----
Large Skipper	-----	-----	-----	-----b-----	-----	-----
Clouded Yellow	-----	-----	-----	-----	-----	-----
Brimstone	a-----	-----	-----	-----	-----	-----
Large White	-----a--a-----	-----	-----a-----	-----ba-----	-----	-----a-----
Small White	-----a--a-----	-----	-----b-----	a-----a-----	-----	-----a-----
Green-veined White	-----a--a-----	-----	-----a-----	-----ba-----	-----	-----a-----
Orange-tip	a-----	-----	-----	-----	-----	-----
Small Copper	-----	-----	-----	-----	-----	-----
Brown Argus	-----	-----	-----	-----	-----	-----
Common Blue	-----	-----	-----	-----	-----	-----
Holly Blue	-----	-----	-----	-----	-----	-----
Red Admiral	-----a--a-----	-----	-----b-----	-----	-----	-----
Painted Lady	-----a-----	-----	-----a-----	-----a-----	-----	-----
Small Tortoiseshell	-----a--a-----	-----	-----	-----a-----	-----	-----a-----
Peacock	-----a-----	-----	-----	-----	-----	-----
Comma	-----a-----	-----	-----	-----a-----	-----	-----
Silver-washed Fritillary	-----	-----	-----	-----	-----	-----
Speckled Wood	-----a--a-----	-----	-----a-----	-----	-----	-----
Marbled White	-----	-----	-----a-----	-----a-----	-----	-----
Gatekeeper	-----	-----	-----	-----aa-----	-----	-----
Meadow Brown	-----a-----	-----	-----a-----	-----a-----	-----	-----
Ringlet	-----	-----	-----	-----a-----	-----	-----
Small Heath	-----	-----b-----	-----	-----	-----	-----

1kID	SP2800	SP2901	SP2902	SP2903	SP2904	SP2905
IgnoranceHue	DarkGreen	DarkGreen	DarkGreen	Black	DarkGreen	Black
UTBstatus	Ox	Ox	Ox	Ox	Ox	Ox
UTB_RoWL	823.5	35.2	604.4	0.0	2482.5	0.0
Diversity	14	7	4	0	17	0
Small Skipper	-----a-----	-----	-----	-----	-----a-----	-----
Essex Skipper	-----	-----	-----	-----	-----a-----	-----
Large Skipper	-----	-----	-----	-----	-----a-----	-----
Clouded Yellow	-----	-----	-----	-----	-----	-----
Brimstone	-----a-----	-----a-----	-----a-----	-----	-----a-----	-----
Large White	-----a--a-----	-----a-----	-----	-----	-----a--b-----	-----
Small White	-----a--aa-----	a-----	a-----a-----	-----	-----b--a-----	-----
Green-veined White	-----a--a-----	a-----a-----	a-----a-----	-----	-----b--b-----	-----
Orange-tip	-----	-----	-----	-----	-----a-----	-----
Small Copper	-----	-----	-----	-----	-----	-----
Brown Argus	-----	-----	-----	-----	-----	-----
Common Blue	-----a-----	-----	-----	-----	-----a-----	-----
Holly Blue	-----a-----	-----	-----	-----	-----	-----
Red Admiral	-----aa-----	-----	-----	-----	-----a-----	-----
Painted Lady	-----	-----	-----	-----	-----a-----	-----
Small Tortoiseshell	-----a-----	a-----	-----	-----	-----a--a-----	-----
Peacock	-----a-----	-----	-----	-----	-----	-----
Comma	-----a-----	-----	-----	-----	-----a-----	-----
Silver-washed Fritillary	-----	-----	-----	-----	-----	-----
Speckled Wood	-----a-----	a-----	a-----	-----	-----b-----	-----
Marbled White	-----	-----	-----	-----	-----	-----
Gatekeeper	-----a-----	-----	-----	-----	-----a--a-----	-----
Meadow Brown	-----a-----	-----a-----	-----	-----	-----a--a-----	-----
Ringlet	-----	-----	-----	-----	-----a-----	-----
Small Heath	-----	-----	-----	-----	-----	-----

<b>1kID</b>	SP2906
<b>IgnoranceHue</b>	Black
<b>UTBstatus</b>	Ox
<b>UTB_RoWL</b>	0.0
<b>Diversity</b>	0

  

Small Skipper	-----
Essex Skipper	-----
Large Skipper	-----
Clouded Yellow	-----
Brimstone	-----
Large White	-----
Small White	-----
Green-veined White	-----
Orange-tip	-----
Small Copper	-----
Brown Argus	-----
Common Blue	-----
Holly Blue	-----
Red Admiral	-----
Painted Lady	-----
Small Tortoiseshell	-----
Peacock	-----
Comma	-----
Silver-washed Fritillary	-----
Speckled Wood	-----
Marbled White	-----
Gatekeeper	-----
Meadow Brown	-----
Ringlet	-----
Small Heath	-----