

Sherwood Forest Lepidoptera - Butterflies

Historical and modern species lists and records - Third Edition 2011



T. and D. Pendleton

Contents

1.0 Introduction to Sherwood Forest Lepidoptera

1.1 Sourcing records

1.2 Butterflies at Sherwood Forest NNR

1.3 Sources of reference

1.4 Sherwood Forest NNR, Birklands and Bilhaugh SSSI and Birklands West and Ollerton Corner SSSI Maps

2.0 Sherwood Forest NNR Lepidoptera - Butterflies. Complete site species list and records from the late 1800's to 2010

3.0 Red Listed and Nationally Notable Butterflies recorded at Sherwood Forest NNR 1800's - 2010

4.0 Butterflies not recorded at Sherwood Forest NNR since the late 1800's - early 1900's

5.0 New Butterflies recorded at Sherwood Forest NNR since 2000

1.0 Introduction to Sherwood Forest Lepidoptera - Butterflies Third edition 2011

This third edition of Sherwood Forest Butterflies again includes traceable public records and those held privately by local naturalists and our thanks go to those individuals who have provided their records for inclusion and supported this project. It is hoped that more old records will be made available over the coming years, helping to create a more accurate and publicly accessible record of the forest's Lepidoptera.

This publication is aimed at providing an accurate record of all Sherwood Forest Butterfly records from the 1800's, 1900's and all post-2000 records with the inclusion of the latest records from 2010. This edition continues to follow the same format as we have used in the accompanying publications on Sherwood Forest Lepidoptera (Moths) Coleoptera, Arachnids and the latest list on True Bugs (Hemiptera) published in December 2010.

Trevor and Dilys Pendleton, Dec 2010

1.1 Sourcing records

Most of the records included in the lists, are thought to have originated from what is now the Sherwood Forest Country Park area, but without accurate grid references or specifically indicated sites for most of the records, we found this could not be guaranteed.

It was our original intention to produce a document which listed records only from the Country Park area, but this idea was soon abandoned by what seemed a greater need for encompassing all of the Sherwood Forest records we had available to us for inclusion.

Many of the records were sourced from hand-written lists provided by individuals or the Derbyshire Entomological Society. These were held by staff at the Sherwood Forest Visitor Centre. Many of these lists were extremely vague in their dating, or providing a reference source for these records, leading to some gaps in the main list. Quite often the document was untitled, or had no accompanying note or correspondence to help those reading it.

Unfortunately, further appeals for records via a variety of media was disappointingly received, but we continue to search for additional records for inclusion in other editions as they are published.

Throughout the species list, it may be noticed that there are no historical records

for many of our most common butterflies, namely the *Pieridae* and *Nymphalidae* such as Small Tortoiseshell, Peacock, Meadow Brown and Ringlet. This is due to Carr describing them as being "*widespread throughout the county*" rather than deliberately listing individual sites such as Sherwood Forest, Budby etc.

The full site species list which has been compiled from various sources and includes historical records sourced from J.W. Carr's book "*The Invertebrate Fauna of Nottinghamshire*" published in 1916.

1.2 Butterflies at Sherwood Forest NNR

The recording of butterflies at the Sherwood Forest NNR, has remained relatively poor in over a century of recording. Historically, there were many more species than are found today, but Sherwood seems never to have been particularly rich in species diversity when it comes to butterflies. Sherwood is poor in its flora, with nectar-bearing flowers being mostly located along the edges of forest paths and tracks, or in just a few less 'cultivated' locations, where Thistle, Hawk-bit and Knapweed are allowed to grow.

Sherwood lost all of its Fritillary species over 70 years ago, in the late 1930's and some other butterflies long before then. It is interesting to read some of the comments in Carr's book regarding the status of some butterflies at Sherwood Forest, most of which have long since been lost.

Wood White

Sterland claimed this butterfly "*occurred occasionally at Sherwood Forest*"

Purple Emperor.

"*J Trueman took several in the Forest*" (Sterland). Has been seen and taken many times in various parts of the district (Sherwood Forest)

Comma

Appears to have been not very uncommon, but is now very rare.

Peacock

Not common and uncertain in its appearance (in Nottinghamshire)

High Brown Fritillary

Still fairly frequent in some parts of Sherwood Forest and formerly not uncommon in many places where it is now scarce.

Silver-washed Fritillary

It used to be not at all uncommon in Sherwood Forest, according to Sterland, but Brameld speaks of it as '*rare*'.

Dark Green Fritillary

"Frequent in Sherwood Forest" (Sterland). "Formerly common there, no much less so" (Brameld)

Pearl-bordered Fritillary

"Very common in Sherwood Forest" (Brameld)

Silver-studded Blue

"Common in Sherwood Forest" (Brameld)

Grayling

Sherwood Forest, "occasionally" (Sterland)

Any formal reintroduction schemes are unlikely to work for any of Sherwood's lost species, but it is possible that some species could reappear through the informal release of captive bred stock. The release of captive bred stock is not unknown in Nottinghamshire and has proved to be very successful with both White Admiral and Silver-washed Fritillary near Retford and with the Marbled White at Kirkby-in-Ashfield.

Perhaps the most likely candidate for any release project at Sherwood, would be the Purple Emperor. Although not recorded at any location in Sherwood since 1899, it is quite possible that this butterfly could still turn up naturally, after having remained undetected for 100 years.

1.3 Sources of Reference

- Ref: 1 Carr, J.W. (1916) *The Invertebrate Fauna of Nottinghamshire*. Nottingham: J. & H. Bell Ltd.
- Ref: 19 BRC Files
- Ref: 36 Pendleton, T.A. and Pendleton, D.T. Privately held record (published)
- Ref: 48 Harrison, F.
- Ref: 52 Harrison, F. (1979) *Notes concerning the status and distribution of the less common species of Nottinghamshire Macro-lepidoptera*.
- Ref: 73 Joynt, G. Privately held record (published)
- Ref: 81 Sherwood Forest Visitor Centre. *Untitled handwritten document*.
- Ref: 90 Wright, S. 2001. *The Conservation Status of Lepidoptera in Nottinghamshire. Second edition, December 2001*. Nottingham Natural History Museum.

Ref: 107 Frost, R.A. (1989) Annual Lepidoptera report (1989) Part1: Butterflies. *Derbyshire Entomological Society Quarterly Journal*, No. 97: 16-34

Ref: 111 Binding, A. and Binding, A.E. Survey of Hazel Pot Beetle *Cryptocephalus conyli* at Sherwood Forest NNR, Nottinghamshire 2009. A report to Natural England.

1.4 Sherwood Forest NNR, Birklands and Bilhaugh SSSI and Birklands West and Ollerton Corner SSSI Maps

Due to a legal loophole, Natural England had to notify the ancient Sherwood Forest area as two separate Sites of Special Scientific Interest (SSSI) which they continue to regard as representing the whole of the Birklands and Bilhaugh (Sherwood Forest) complex. The two SSSI's are known as Birklands and Bilhaugh and Birklands West and Ollerton Corner. We have included detailed maps of both SSSI's in this edition, which also sees the inclusion of all Butterfly records from both SSSI's. Records which were sourced to specific areas within either SSSI and where known, are published.

Records are included from the following sites located within the two SSSI's.

Birklands and Bilhaugh SSSI

Sherwood Forest Country Park	(Birklands and Bilhaugh)
Budby South Forest	(Birklands and Bilhaugh / Budby SF)
Proteus Square	(Birklands and Bilhaugh / Proteus Sq)
Buck Gates	(Birklands and Bilhaugh / Buck Gates)

Birklands West and Ollerton Corner SSSI

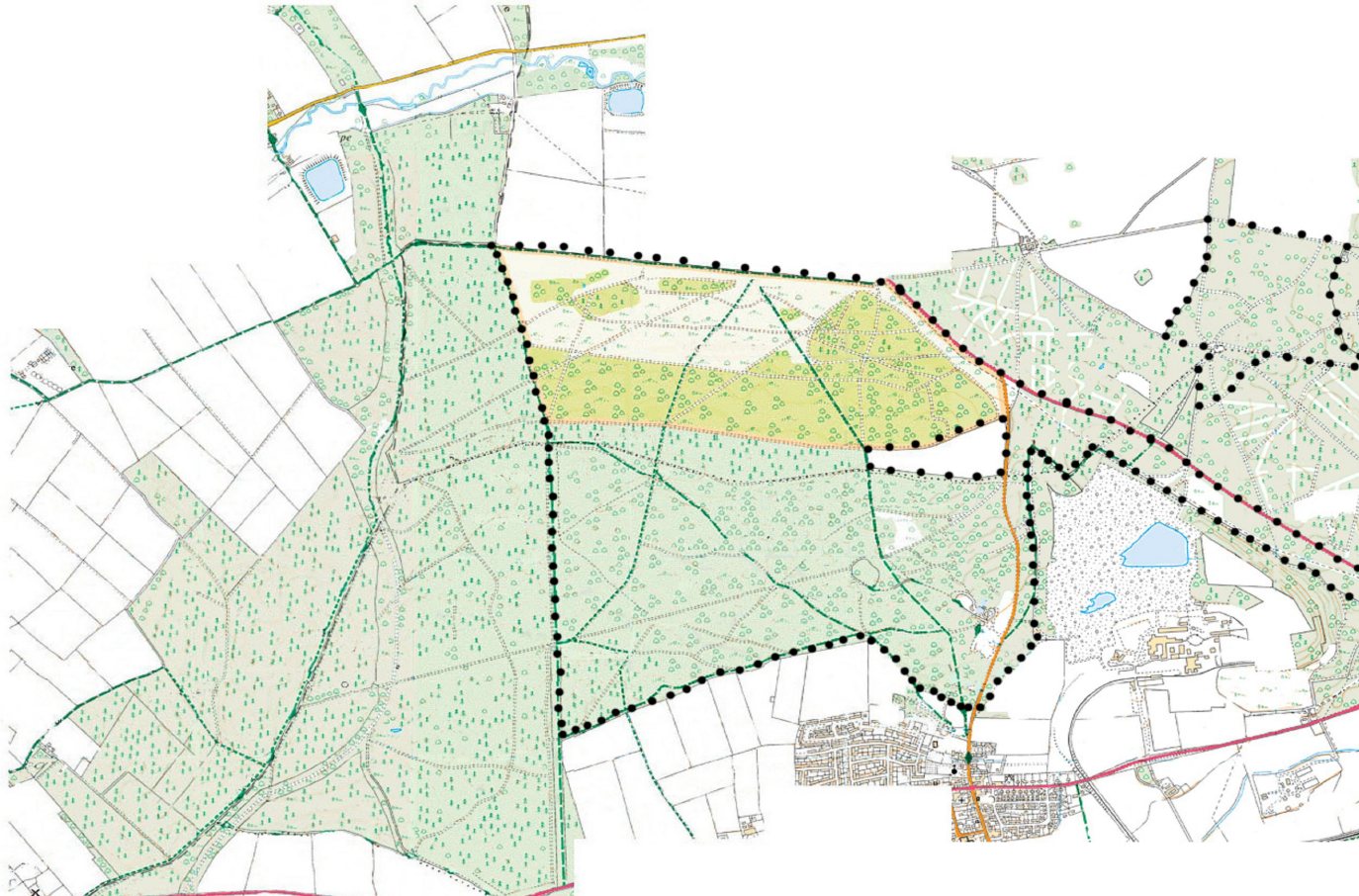
Sherwood Heath	(Birklands West / Sherwood Heath)
Clipstone Old Quarter	(Birklands West / Clipstone Old Quarter)

To save space in the records section, we have had to abbreviate location specific records down to individual areas of both SSSI's. Consequently, a record from Proteus

Square would be abbreviated to *Birklands and Bilhaugh / Proteus Sq*, or a record from Sherwood Heath would be abbreviated to *Birklands West / Sherwood Heath* etc. Any other records shown only as Birklands West and Ollerton Corner, are from areas away from Sherwood Heath and Clipstone Old Quarter and are largely attributable to areas situated to the west of the Country Park. At the current time, it is thought impractical to abbreviate all of the known sites within the SSSI's and this also serves to avoid the records becoming over complicated to the reader.

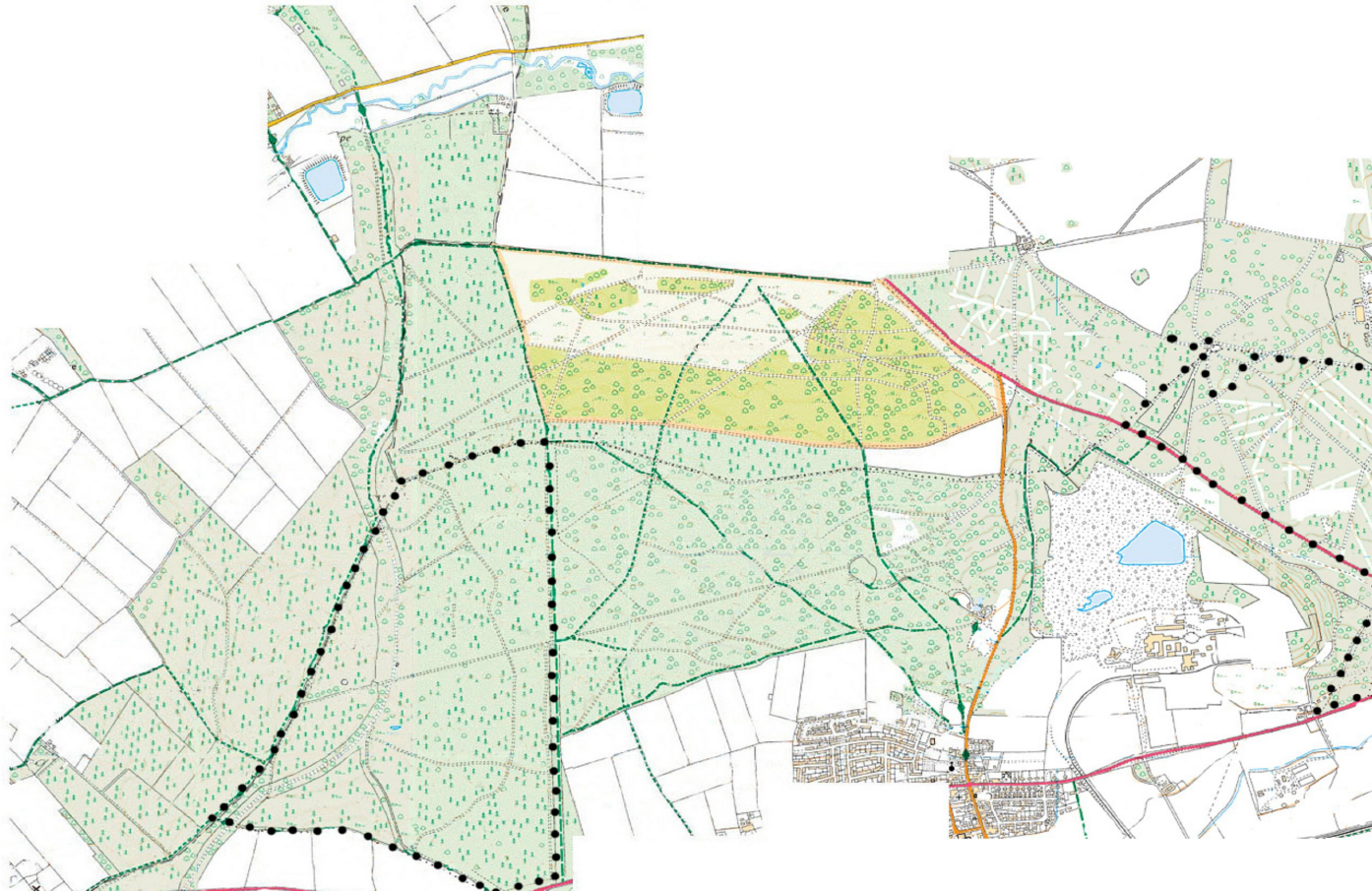
Map Birklands and Bilhaugh SSSI

Computer generated map showing the two sections of the Birklands and Bilhaugh SSSI. The star shaped section in the upper right of the map represents Proteus Square



Map Birklands West and Ollerton Corner SSSI

Computer generated map showing the two sections of the Birklands West and Ollerton Corner SSSI. Sherwood Heath is the small triangular section in the lower right of the map.



2.0 Sherwood Forest NNR Lepidoptera - Butterflies. Complete site species list and records from the late 1800's to 2010

Hesperiidae

Hesperiinae

1526 <i>Thymelicus sylvestris</i> Small Skipper	Harrison, F. 1980	Birklands and Bilhaugh	Ref: 81
	Harrison, F. 1982	Birklands and Bilhaugh	Ref: 81
	Frost, R.A. 1982	Birklands and Bilhaugh	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 119
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Sherwood Heath	Ref: 36
	1527 <i>Thymelicus lineola</i> Essex Skipper	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh
Pendleton, T.A. and Pendleton, D.T. 2009		Birklands and Bilhaugh / Budby SF	Ref: 36
Pendleton, T.A. and Pendleton, D.T. 2010		Birklands and Bilhaugh / Budby SF	Ref: 119
1531 <i>Ochlodes sylvanus</i> Large Skipper	Lievers	Birklands and Bilhaugh	Ref: 1
	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 36

Pieridae

Dismorphiinae

1541 <i>Leptidae sinapis</i> Wood White	Sterland	Birklands and Bilhaugh	Ref: 1
	1906	Birklands and Bilhaugh	Ref: 19
	1907	Birklands and Bilhaugh	Ref: 19
	1908	Birklands and Bilhaugh	Ref: 19
	1909	Birklands and Bilhaugh	Ref: 19

Coliadinae

1543 <i>Colias hyale</i> Pale Clouded Yellow	Sterland	Birklands and Bilhaugh	Ref: 1
1546 <i>Gonepteryx rhamni</i> Brimstone	Frost, R.A. 1978 White, M.C. 1982 Frost, R.A. 1983 Pendleton, T.A. and Pendleton, D.T. 2008 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Binding, A.E. and Binding, A. 2009 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh Birklands West / Clipstone Old Quarter Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh Birklands West and Ollerton Corner Birklands West / Clipstone Old Quarter	Ref: 81 Ref: 81 Ref: 81 Ref: 36 Ref: 36 Ref: 36 Ref: 111 Ref: 36 Ref: 36 Ref: 36
1549 <i>Pieris brassicae</i> Large White	Harrison, F. 1982 Pendleton, T.A. and Pendleton, D.T. 2007 Pendleton, T.A. and Pendleton, D.T. 2008 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Binding, A.E. and Binding, A. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh Birklands West / Sherwood Heath Birklands West / Clipstone Old Quarter Birklands and Bilhaugh Birklands and Bilhaugh / Budby SF Birklands and Bilhaugh Birklands West and Ollerton Corner Birklands and Bilhaugh Birklands West / Clipstone Old Quarter Birklands and Bilhaugh / Budby SF	Ref: 81 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 111 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 119
1550 <i>Pieris rapae</i> Small White	Harrison, F. 1982 Pendleton, T.A. and Pendleton, D.T. 2007 Pendleton, T.A. and Pendleton, D.T. 2008 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh Birklands West / Sherwood Heath Birklands West / Clipstone Old Quarter Birklands and Bilhaugh / Budby SF Birklands and Bilhaugh Birklands and Bilhaugh Birklands West / Clipstone Old Quarter Birklands West and Ollerton Corner Birklands and Bilhaugh / Budby SF Birklands West / Sherwood Heath	Ref: 81 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 119 Ref: 36
1551 <i>Pieris napi</i> Green-veined White	Harrison, F. 1982 Pendleton, T.A. and Pendleton, D.T. 2007 Pendleton, T.A. and Pendleton, D.T. 2008 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Binding, A.E. and Binding, A. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh Birklands West / Sherwood Heath Birklands West / Clipstone Old Quarter Birklands and Bilhaugh Birklands and Bilhaugh / Budby SF Birklands and Bilhaugh	Ref: 81 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 111 Ref: 36 Ref: 36

	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West and Ollerton Corner	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 119
1553 <i>Anthocharis cardamines</i> Orange-tip	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West and Ollerton Corner	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 36
Lycaenidae			
Lycaeninae			
1555 <i>Callophrys rubi</i> Green Hairstreak	Sterland	Birklands and Bilhaugh	Ref: 1
1556 <i>Thecla betulae</i> Brown Hairstreak	Elliott, B. 1982	Birklands and Bilhaugh	Ref: 96
1557 <i>Neozephyrus quercus</i> Purple Hairstreak	Rodgers, W. 1857	Birklands and Bilhaugh	Ref: 1
	1953	Birklands and Bilhaugh	Ref: 52
	1969	Birklands and Bilhaugh / Budby SF	Ref: 81
	1982	Birklands and Bilhaugh	Ref: 81
	Frost, R.A. 1981	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1981	Birklands and Bilhaugh	Ref: 81
	Harrison, F. 1982	Birklands and Bilhaugh	Ref: 81
	Baker, D. 1982	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81
	Braddock, A. 1982	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh / Budby SF	Ref: 81
	Frost, R.A. 1983	Birklands and Bilhaugh	Ref: 81
	Hursthouse, D. 1983	Birklands and Bilhaugh	Ref: 109
	1983	Birklands and Bilhaugh	Ref: 48
	Baker, D. 1989	Birklands and Bilhaugh	Ref: 81
	Hursthouse, D. 1992	Birklands and Bilhaugh	Ref: 109
	Hursthouse, D. 2001	Birklands and Bilhaugh / Budby SF	Ref: 109
	Hursthouse, D. 2002	Birklands and Bilhaugh / Budby SF	Ref: 109
	Joynt, G. 2008	Birklands and Bilhaugh	Ref: 73
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36

1561 <i>Lycaena phlaeas</i> Small Copper	Birchall, H. 1872	Birklands and Bilhaugh	Ref: 1
	Frost, R.A. 1979	Birklands and Bilhaugh	Ref: 81
	Harrison, F. 1982	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh / Budby SF	Ref: 81
	Harrison, F. 1983	Birklands and Bilhaugh	Ref: 81
	Godfrey, A. 2006	Birklands West / Sherwood Heath	Ref: 108
	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 119
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Sherwood Heath	Ref: 36
1571 <i>Plebeius argus</i> Silver-studded Blue	Brameld	Birklands and Bilhaugh	Ref: 1
1572 <i>Aricia agestis</i> Brown Argus	Hursthouse, D. 2003	Birklands and Bilhaugh / Budby SF	Ref: 109
1574 <i>Polyommatus icarus</i> Common Blue	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh / Budby SF	Ref: 81
	Harrison, F. 1983	Birklands and Bilhaugh	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
1580 <i>Celastrina argiolus</i> Holly Blue	Pendleton, T.A. and Pendleton, D.T. 2004	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2005	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2006	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands West / Clipstone Old Quarter	Ref: 36
Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36	
1585 <i>Apatura iris</i> Purple Emperor	Hardy, J.R. 1874	Birklands and Bilhaugh	Ref: 1
Hardy, J.R. 1875	Birklands and Bilhaugh	Ref: 1	
1899	Birklands and Bilhaugh	Ref: 1	
1590 <i>Vanessa atalanta</i> Red Admiral	Frost, R.F. 1979	Birklands and Bilhaugh / Budby SF	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81

Nymphalidae

Apaturinae

Nymphalinae

	White, M.C. 1982	Birklands and Bilhaugh / Budby SF	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 119
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
1591 <i>Vanessa cardui</i> Painted Lady	1892	Edwinstowe	Ref: 1
	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
1593 <i>Aglais urticae</i> Small Tortoiseshell	Culpin, J. 1982	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81
	Harrison, F. 1983	Birklands and Bilhaugh	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Hursthouse, D. Leach, I. Baker, P. Harte, K. and Ashford, K. 2009	Birklands and Bilhaugh / Budby SF	Ref: 98
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 119
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West and Ollerton Corner	Ref: 36
1594 <i>Nymphalis polychloros</i> Large Tortoiseshell	Hardy, J.R.		
1596 <i>Nymphalis antiopa</i> Camberwell Beauty	Wilson 1858	Birklands and Bilhaugh	Ref: 1
	Sterland	Birklands and Bilhaugh	Ref: 1
	Birchall, H. 1872	Birklands and Bilhaugh	Ref: 1
1597 <i>Inachis io</i> Peacock	Harrison, F. 1982	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81
	White, M.C. 1982	Birklands and Bilhaugh / Budby SF	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111

		Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 36
1598	<i>Polygonia c-album</i> Comma	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
		Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
		Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
		Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 36
Heliconiinae				
1600	<i>Boloria selene</i> Small Pearl-bordered Fritillary	1916	Birklands and Bilhaugh	Ref: 1
1601	<i>Boloria euphrosyne</i> Pearl-bordered Fritillary	Brameld 1916 1939	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh	Ref: 1 Ref: 1 Ref: 19
1606	<i>Argynnis adippe</i> High Brown Fritillary	Tyrer, R. and W. 1868 1916 1939	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh	Ref: 1 Ref: 1 Ref: 19
1607	<i>Argynnis aglaja</i> Dark Green Fritillary	Sterland Brameld 1916	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh	Ref: 1 Ref: 1 Ref: 1
1608	<i>Argynnis paphia</i> Silver-washed Fritillary	Sterland Brameld Hardy, J.R. 1916	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh	Ref: 1 Ref: 1 Ref: 1 Ref: 1
Melitaeinae				
1610	<i>Euphydryas aurinia</i> Marsh Fritillary	Trueman, J. 1899	Birklands and Bilhaugh	Ref: 1
Satyrinae				
1614	<i>Pararge aegeria</i> Speckled Wood	Sterland and Brameld Pendleton, T.A. and Pendleton, D.T. 2007 Pendleton, T.A. and Pendleton, D.T. 2008 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Binding, A.E. and Binding, A. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2009 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010 Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh Birklands and Bilhaugh Birklands and Bilhaugh Birklands West / Sherwood Heath Birklands West / Clipstone Old Quarter Birklands and Bilhaugh Birklands and Bilhaugh / Budby SF Birklands and Bilhaugh Birklands and Bilhaugh Birklands West / Clipstone Old Quarter Birklands and Bilhaugh / Budby SF	Ref: 1 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 111 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36 Ref: 36

	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West and Ollerton Corner	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Sherwood Heath	Ref: 36
1615 <i>Lasiommata megera</i> Wall	Sterland, Brameld and Herdy, J.R.	Birklands and Bilhaugh	Ref: 1
	White, M.C. 1982	Birklands and Bilhaugh	Ref: 81
	Harrison, F. 1982	Birklands and Bilhaugh	Ref: 81
1621 <i>Hipparchia semele</i> Grayling	Sterland	Birklands and Bilhaugh	Ref: 1
1625 <i>Pyronia tithonus</i> Gatekeeper	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 119
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West and Ollerton Corner	Ref: 36
1626 <i>Maniola jurthina</i> Meadow Brown	Frost, R.A. 1979	Birklands and Bilhaugh	Ref: 81
	Harrison, F. 1982	Birklands and Bilhaugh	Ref: 81
	Harrison, F. 1983	Birklands and Bilhaugh	Ref: 81
	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West and Ollerton Corner	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 119
1629 <i>Aphantopus hyperantus</i> Ringlet	Pendleton, T.A. and Pendleton, D.T. 2007	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2008	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Sherwood Heath	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands West / Clipstone Old Quarter	Ref: 36
	Binding, A.E. and Binding, A. 2009	Birklands and Bilhaugh	Ref: 111
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2009	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Clipstone Old Quarter	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West and Ollerton Corner	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands and Bilhaugh / Budby SF	Ref: 36
	Pendleton, T.A. and Pendleton, D.T. 2010	Birklands West / Sherwood Heath	Ref: 36

1627 *Coenonympha pamphilus*
Small Heath

Harrison, F. 1980
 Harrison, F. 1982
 Harrison, F. 1983
 Godfrey, A. 2006
 Pendleton, T.A. and Pendleton, D.T. 2007
 Pendleton, T.A. and Pendleton, D.T. 2008
 Pendleton, T.A. and Pendleton, D.T. 2009
 Binding, A.E. and Binding, A. 2009
 Pendleton, T.A. and Pendleton, D.T. 2009
 Pendleton, T.A. and Pendleton, D.T. 2009
 Pendleton, T.A. and Pendleton, D.T. 2009
 Pendleton, T.A. and Pendleton, D.T. 2010
 Pendleton, T.A. and Pendleton, D.T. 2010
 Pendleton, T.A. and Pendleton, D.T. 2010
 Pendleton, T.A. and Pendleton, D.T. 2010

Birklands and Bilhaugh Ref: 81
 Birklands and Bilhaugh Ref: 81
 Birklands and Bilhaugh Ref: 81
 Birklands West / Sherwood Heath Ref: 108
 Birklands and Bilhaugh Ref: 36
 Birklands and Bilhaugh Ref: 36
 Birklands West / Sherwood Heath Ref: 36
 Birklands and Bilhaugh Ref: 111
 Birklands West / Clipstone Old Quarter Ref: 36
 Birklands and Bilhaugh / Budby SF Ref: 36
 Birklands and Bilhaugh Ref: 36
 Birklands and Bilhaugh Ref: 36
 Birklands West / Clipstone Old Quarter Ref: 36
 Birklands and Bilhaugh / Budby SF Ref: 119
 Birklands West / Sherwood Heath Ref: 36

3.0 Red Listed and Nationally Notable Butterflies recorded at Sherwood Forest NNR 1800's - 2010

			National status etc	First Record	Last Record	
Lycaenidae	Lycaeninae	1556 <i>Thecla betulae</i>	Brown Hairstreak	UK Biodiversity Action Plan List	Priority species	1982
		1571 <i>Plebeius argus</i>	Silver-studded Blue	UK Biodiversity Action Plan List	Priority species	
Nymphalidae	Nymphalinae	1594 <i>Nymphalis polychloros</i>	Large Tortoiseshell	RDB		
	Heliconiinae	1600 <i>Boloria selene</i>	Small Pearl-bordered Fritillary	UK Biodiversity Action Plan List	Priority species	1916
		1601 <i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	UK Biodiversity Action Plan List	Priority species	1916
		1606 <i>Argynnis adippe</i>	High Brown Fritillary	RDB	1916	1939
	Melitaeinae	1610 <i>Euphydryas aurinia</i>	Marsh Fritillary	UK Biodiversity Action Plan List	Priority species	1899
	Satyrinae	1615 <i>Lasiommata megera</i>	Wall	UK Biodiversity Action Plan List	Priority species	1982
		1621 <i>Hipparchia semele</i>	Grayling	UK Biodiversity Action Plan List	Priority species	
	1627 <i>Coenonympha pamphilus</i>	Small Heath	UK Biodiversity Action Plan List	Priority species	1980	2010

4.0 Butterflies not recorded at Sherwood Forest NNR since the late 1800's - early 1900's

		Last Record	Area	Ref:	
Pieridae	Dismorphiinae	1541 Wood White	1909	Birklands and Bilhaugh	Ref: 19
	Coliadinae	1543 Pale Clouded Yellow	Sterland	Birklands and Bilhaugh	Ref: 1

Lycaenidae

Lycaeninae

1555 **Green Hairstreak**
1571 **Silver-studded Blue**

Sterland
Brameld

Birklands and Bilhaugh
Birklands and Bilhaugh

Ref: 1
Ref: 1

Nymphalidae

Apaturinae

1585 **Purple Emperor**

1899

Birklands and Bilhaugh

Ref: 1

Nymphalinae

1596 **Camberwell Beauty**

Birchall, H. 1872

Birklands and Bilhaugh

Ref: 1

Heliconiinae

1600 **Small Pearl-bordered Fritillary**

1916

Birklands and Bilhaugh

Ref: 1

1601 **Pearl-bordered Fritillary**

1939

Birklands and Bilhaugh

Ref: 19

1606 **High Brown Fritillary**

1939

Birklands and Bilhaugh

Ref: 19

1607 **Dark Green Fritillary**

1916

Birklands and Bilhaugh

Ref: 1

Melitaeinae

1610 **Marsh Fritillary**

Trueman, J. 1899

Birklands and Bilhaugh

Ref: 1

Satyrinae

1621 **Grayling**

Sterland

Birklands and Bilhaugh

Ref: 1

5.0 New Butterflies recorded at Sherwood Forest NNR since 2000

First Record

Area

Ref:

Hesperiidae

Hesperiinae

1527 **Essex Skipper**

Pendleton, T.A. and Pendleton, D.T. 2009

Birklands and Bilhaugh

Ref: 36

Lycaenidae

Lycaeninae

1572 **Brown Argus**

Hursthouse, D. 2003

Birklands and Bilhaugh / Budby SF

Ref: 109

1580 **Holly Blue**

Pendleton, T.A. and Pendleton, D.T. 2004

Birklands West / Clipstone Old Quarter

Ref: 36

Nymphalidae

Nymphalinae

1598 **Comma**

Pendleton, T.A. and Pendleton, D.T. 2007

Birklands and Bilhaugh

Ref: 36

Satyrinae

1625 **Gatekeeper**

Pendleton, T.A. and Pendleton, D.T. 2007

Birklands and Bilhaugh

Ref: 36

1629 **Ringlet**

Pendleton, T.A. and Pendleton, D.T. 2007

Birklands and Bilhaugh

Ref: 36