BUTTERFLY CONSERVATION UPPER THAMES BRANCH

Purple Emperor (A. iris) Report for 2016 Dennis Dell





Photo © Steve Croxford

Photo © Peter Law

Acknowledgements

Sightings were received from 37 observers: thank you for your efforts.

1. Summary

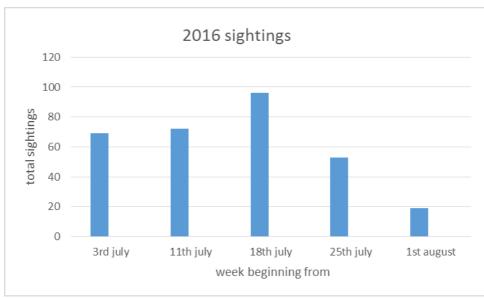
- There were 320 sightings, with a sightings/visits ratio of 2.71.
- Five new locations were reported.
- The first observations were on 3rd July. The extended peak was during the second half of July, and the last sighting was on August 10th
- For comparison with previous years:

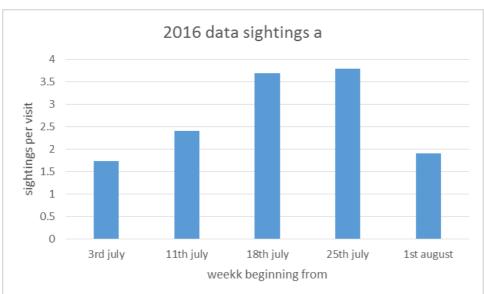
So, we can see that 2016 was one of the best years.

year	Total	Total visits	Sightings/visit	1st sighting	Last sighting
	sightings				
2004	66	38	1.74	4 th july	31 st july
2005	113	59	1.92	27 th june	8 th august
2006	116	78	1.40	25 th june	15 th august
2007	55	29	1.90	19 th june	10 th august
2008	83	46	1.80	29 th june	27 th july
2009	222	77	2.88	25 th june	31 st july
2010	357	149	2.40	28 th june	8 th august
2011	209	101	2.07	21 st june	24 th july
2012	264	114	2.32	4 th july	17 th august
2013	492	133	3.70	1 st july	21st august
2014	256	110	2.32	16 th june	8 th august
2015	214	70	3.1	14 th june	8 th august
2016	320	118	2.71	3 rd july	10 th august

2. Results and Discussion

2.1 Sightings





The sightings per visit graph above looks quite different compared with the total sightings graph. I believe that the former is a better representation of the real situation. It clearly shows a gradual increase from 3rd July, peaking during the third week of the month, Again, the peak of the flight period was rather broad, although a bit later than in 2015, extending over the last two weeks of July. The total flight period was just over 5 weeks. As for last year, the numbers were boosted considerably by the extraordinary numbers seen in a 'private Bucks wood' on several occasions. The enlightened owner has expressed the wish that we do not broadcast the location of his wood widely; quite understandably, he wants to avoid a 'Fermyn situation' in which scores of observers from all over the UK descend on this forest in north Northamptonshire every July because of the high numbers always seen there.

In spite of the good imagine numbers this year, the larval numbers were well down: together, the Campbells and I only found three larvae in about 12 hours searching; Matthew Oates reported similar poor yields in Savernake Forest.

Again, a paucity of sightings [only 3] from Berkshire this year, but this is almost certainly due to relatively few members looking in Berkshire for iris compared with Bucks/Oxon.

2.2 Territories [male assembly areas]

Only if the same group of trees in a wood is occupied by males several years running would it be regarded as a territory. No new territories were found in 2015. On the other hand, we have sometimes found that a, seemingly, deserted territory will be reoccupied several years later.

Piddington Wood

The south east corner of the wood was well occupied, over an extended period, as usual

Little Wood

The same applies as for Piddington Wood, to the large Ash and the surrounding trees at the top edge of the wood. There is a possible new territory lower down in the wood

Finemere Wood

The area from the turning circle southwards to the Corsican pines at the back of the newly created clearing was again occupied this year.

Greatsea Wood

After a brief absence, activity was again recorded above the conifers at the highest point of Greatsea Wood. The tall poplars at the lowest point along the main track through Greatsea/Romer/Balmore woods was again frequented.

Rushbeds Wood

The Ashes at the edge of the wood bordering Laplands Farm Meadows produced no sightings: there has been felling in this area.

Waterperry Wood

This is the second year that this territory has been well occupied: adjoining the established territory where two tracks meet a few hundred yards to the south of the northern entrance gate, there is a group of Oak and Ash trees where, for the first time in 2015, intense activity was recorded. Since it is very close to the established territory mentioned above, it may be regarded as the same territory.

• Oakhill Wood. North-east corner; first discovered last year on a field trip; 4 to 5 seen during field trip above the trees here again this year.

2.3 'New' locations

- Grounds of **Blenheim Palace**. Male seen grounded near the Cascades, a waterfall near the southern end of the lake. There are woods nearby, which should be investigated in 2017. We have permission to do this from the estate management with prior arrangement.
- Cliveden Estate. A male was spotted by the private swimming pool. This resulted in an amusing exchange of e mails: see our facebook page for photo of Christine Keeler with an iris landed on her derriere brilliantly constructed by our Chairman! For our younger members, this relates to a famous scandal in 1963 involving a cabinet minister, a Russian spy, an osteopath, and two ladies of the night.
- **Cumnor Hirst.** This is a small Oxfordshire wood [SP477041], quite close to other larger woods. A male was sighted in an open area at the top of the wood on two successive days by two different observers.
- **MOD** area near Bicester. Access permission had to be obtained by our Chairman; this is not the first sighting from this area
- **Prestwood, smallholding.** We do have a few sightings from the Prestwood/Gt Missenden area over the years; there are a number of small woods dotted around this part of the Chilterns. This specimen was attracted to a chicken pen and landed on the doors.

Appendix: details of all sightings

<u>Dennis Dell</u> January 2017

APPENDIX: Details of A. Iris Sightings in the UTB area during 2016

(Red denotes a new habitat)

DATE	OBSERVER	LOCATION grid reference	MICRO-LOCATION ^b grid reference	NUMBER SEEN AND SEX°	TIME ^d	WEATHER CONDITIONS	BEHAVIOUR ^e and comments
3.7	Mick& Wendy Campbell	Waterperry wood		0	11.00 – 14.30		
3.7	Mick & Wendy Campbell	Little Wood	SP6215	3	15.25		Possible m & f – slow chase down slope from main territory ash. 3 rd PE in small ash behind main territory.
3.7	Mick & Wendy Campbell	Piddington Wood		0			
3.7	Charlie Jackson	Finemere Wood	SP721215 entrance to wood	1M	11.15 to 12.30	Mixed cloud/sun, 18 degrees	Landed on foot, took it off and placed it on a damp patchwhere it puddled for about 10 minutes before flying off
3.7	Steve Croxford	Little Wood		0	13.00 – 14.00		
4.7	Mick Campbell	Piddington wood/ meadow corner	SP6316	1	14.00		Flying above main oak tree.
4.7	Dennis Dell	Private bucks wood		0	10.00-11.00		
5.7	Dennis Dell	Finemere wood		0	15.00-16.00		Met someone who had been there for 3 hours and seen none also
5.7	Peter Law	Oakley Wood	On track near car park	2M	From midday		Settling on track and skimming; another about 300m further down track, same behaviour
5.7	Steve Croxford	Rushbeds Wood		0			
5.7	Mick Campbell	Waterperry wood		1			Chasing a Ringlet over sallow!

6.7	Dave Wilton	Private bucks wood		0	12.30 to 14.15		
6.7	Chris Bottrell	Oakley Wood	In car park	1M	13.30		Mud puddling
6.7	Steve Croxford	finemere		0	a.m.		
6.7	Chris King	finemere		2	a.m.		
6.7	Julia Huggins	Oakley wood	SP615113.	1	11.30 to 12.30	Warm and sunny	Flying out from wood by field at low point and landing briefly
6.7	Mick & Wendy Campbell	Stanton Little Wood	SP589111	3	12.45	Warm and sunny	Brief flights over oaks.
6.7	Mick & Wendy Campbell	waterperry	New oak/ash territory. SP6009	6			Brief flights from oaks & ashes near north gate/"Dell's Corner".
6.7	Ewen Urquhart	Finemere Wood		1	10.00 to 12.00		
6.7	Dennis Dell	doddershall		0	15.00 to 16.00		
6.7	Tim Watts	finemere	SP718218, SP720215	3	9.30 to 13.30		Corsican pine territory, car park, half up main track
7.7	Dell & Campbell	Little and piddington		0	10.00 to 12.00		
7.7	Mick Campbell & Dennis Dell	Waterperry	SP6009	6	13.00 to 16.00		Seen in ones and twos flying above oaks from main track at north gate to about half way up track.
7.7	Claire Williams	Oakley wood		2			
7.7	Roger Short	Oakley Wood	On track near car park	2		10.30	About 6' apart grounded and skiming low between dog box and first crossroads
7.7	Josephine Nash	Blenheim Palace grounds	SP438150	1M	a.m.		On faeces at cascade; flew around me then went off
7.7	Trish Glenn	Oakley Wood		2			

8.7	Wendy & Mick Campbell	Homefield Wood	SU80798680 & SU812872 – new territories?	3			2 PE seen at end of main track flying around large sallow. 1 seen flying around top of fir tree overlooking tall sallow (near old scout hut).
8.7	Wendy & Mick Campbell	Rushbeds		0			
8.7	Nick Bowles	Private bucks wood		1			Northern edge of grendon opposite hewins wood
8.7	Dennis Dell	Waterperry Wood	Oak ash territory SP6092109926	2	14.45 to 16.00	Cloudy breezy 21 degrees at first,. Hazy sun from 15.30	Clashing and gliding over territory. None seen further south down main track
8.7	Gillian	Between Waterperry Wood and Hell Coppice	SP610101; at gate by menmarsh road leading to Waterperry wood	1		16.00 to 16.16	Glidng and skimming close to track surface
8.7	Ewan Urquhart	Oakley Wood		2	12.00 to 13.00		
8.7	Steve Croxford	Finemere		2			
8.7	Alan Gudge	Moorend Common		1			In garden
9.7	Alan Mumford	Cliveden estate	SU910852 swimming pool	1M	12.00		Landed by pool; seen by Alan's neighbour
9.7	Field meeting	bernwood		6	10.30 to 13.00	19 to 20 degrees hazy sun	York's wood [1], hell coppice [1] settled on small ash for quite a long time, waterperry territory [4]],
9.7	Wendy & Mick Campbell	Romer/Greatsea Woods	SP7123	4	13.00 to 15.30	Windy, cloudy, sunny spells.	1 in oak near poplar territory & 2 flying over poplars; 1 at turning circle flying in sallow & oak

10.7	Field meeting	bernwood		6	10.30 to 13.00	Poor to start with, becoming sunny	All seen from car park along main track to piccadily circus, spread fairly evenly. One landed on Tony Croft's back and stayed a long time
10.7	Ewan Urquhart	Oakley wood	One in car park, one just beyond 1st crossroads	2	11.30 to 14.00		One in car park at 11.32, not settling, flew into oaks; second just beyond first crossroads settling on dog excrement
10.7	Wendy & Mick Campbell	Little wood		5		Cloudy, a little sun	3 in main ash tree territory at top of wood; 2 at bottom of wood,
10.7	Wendy & Mick Campbell	Piddington wood		1			Meadow corner territory.
11.7	Wendy & Mick Campbell	Besselsleigh Wood	SP451013	2		Windy, warm, sunny spells.	1 @ 13.30 flying above oak tree territory then 2 seen in short battle @ 14.30.
11.7	Ewan Urquhart	Oakley Wood		2	11.15 to13.30		
11.7	Stuart Hodges	Hewins Wood		1			Near entrance to wood, flying low along road
12.7	Tony Croft	Shabbington Wood	SP617111	1M		Hazy sun, 15 degrees	Flying at head height along track
14.7	Wendy & Mick Campbell, Dennis Dell	Private Bucks wood		12	11.15 to 13.45		
14.7	Wendy & Mick Campbell	Piddington wood		2			2 seen chasing above trees near footpath half way between meadow and PE 'vista'.
14.7	Wendy & Mick Campbell	Little Wood		2			2 seen chasing near main ash territory.

14.7	Tim Watts	Finemere Wood	Car park and main ride	4	10.00 to 13.00		At 10am, one landed in car park, then flew up main ride, landing occasionally; at 11am in car park, one feeding on fox droppings for 30 mins; at 11.30, two seen low over car park, then flew high over oaks
14.7	Ewan Urquhart	Oakley Wood	Between car park and pond	4	09.00 to 13.00		One grounded for 40 minutes
14.7	Nick Board	Leckhampstead Wood	SP726406	2			Flying around the tree tops in north-west corner
14.7	Steve Croxford	Finemere Wood	SP720215, SP718218	8	12.00 to 13.00		Oak edging near entrance and in Corsican pine territory
14.7	Steve Johnson	Yorks Wood	SP612105	2M, 1F	11.30 to 12.00		Female grounded on dog faeces; one male landing on wet mud and skimming the track; other male about 100m down the track
14.7	Julia Huggins	Finemere Wood	SP716217 woodland edge	1	12.30 to 14.00	Warm and sunny, windy	Southern edge; flying in and out of wood
15.7	Dennis Dell	Finemere Wood	SP720215 big Oak by main track	1	11.25 to 12.48	Dull 18 degrees	Glided across big Oak and settled high up. Still there 30 minutes later
16.7	Robert Evans	Cumnor Hirst	SP477041 open area at high point of wood	1M	5 pm		On cow dung
16.7	Wendy & Mick Campbell	Fingest	SU80189016	1	12.25pm	Hot & sunny	Flying over ash trees near excellent sallow stands next to road. We've seen them here before so hope to confirm this as a new territory in 2017.
16.7	Wendy & Mick Campbell	Moor Wood		0	13.00 to 15.00	Hot & sunny	
16.7	Harry Appleyard	North Bucks Way, Oakhill Wood	SP814359	4	11.00 to 13.00	Sunny, gusty 20 degrees	Flying above canopy, settling, and chasing

16.7	Nick Board	Leckhampstead Wood	SP727397	1	10.30	Sunny, gusty 20 degrees	Flying above trees
16.7	Nick Bowles	Arncott MOD	SP621162	1		sunny	Flying around Sallow and Hawthorn at about 3-4m height
17.7	Andy Spragg	Finemere Wood	SP721215	1F	14.36 to 14.38	Sunny, gusty 20 degrees	Near entrance, flew across path and landed on small oak about 9' up. Stayed there for 3 minutes
17.7	Mick Campbell & Dennis Dell	Private Bucks wood		8	13.00 to 14.00	Hot 27 degrees	Very active, Sallow searching and oak edging
17.7	Wendy & Mick Campbell	Piddington Wood	Meadow corner territory	2	p.m.	Hot & sunny	2 seen chasing & perching, one of them also chased a dragonfly!
17.7	Ewan Urquhart	Oakley Wood	Car park and track beyond first crossroads	5	11.20 to 13.00	Sunny, gusty 20 degrees	Three males grounded beyond first crossroads; one landed on observer's boot and stayed for 20 minutes; joined by another briefly, and flew into trees; fourth in car park and fifth flying up a side ride
17.7	Becky Woodell	Whitecross Green Wood	SP599149 along ride near car park	1M			Settled briefly then chased large white
17.7	Richard Wheeler	Waterperry Wood	SP609099	1	4 to 5 pm	Very hot, breezy, 25 degrees	
17.7	Nick Board	Leckhampstead Wood		0			
17.7	Michael Hunt	Romer Wood		1			
17.7	Chris Perrins	Cumnor Hirst	SP477041 open area at high point of wood	1M	11 am		On charred wood
18.7	Wendy & Mick Campbell	Oakley and Shabbington Wood		2			
18.7	Wendy & Mick Campbell	Waterperry Wood		3			

	1						
18.7	Steve Croxford	Greatsea and Romer woods		0			
18.7	Dennis Dell	Shenley Wood		0		Very hot	
18.7	Steve Croxford	Finemere Wood	SP720216 and SP719218	2	midday		One sallow searching, the other oak edging
19.7	Wendy & Mick Campbell	Worton and Stoke Woods		0		Very hot, 30+ degrees.	Very few butterflies and no PE!
19.7	Nick Bowles	Private bucks wood		4	11.00 to 14.00	Very hot	
19.7	Dennis Dell	Finemere Wood		0	18.45 to 19.30	31 degrees in the evening!	
19.7	Chris Hoskins	Prestwood	Smallholding SU874997	1M	9.15	Hot and sunny, 30 degrees	Circled chicken pen,landed on doors
19.7	Len Jessup	Dancers End waterworks	Woodland edge SP907809	1M			Flying back and forth along edge at 5' to 15'
20.7	Mick Campbell & Dennis Dell	Private Bucks wood		37	10.00 to 12.15	24 degrees, dull at start, hazy sun developing then bright sun at end	All usual activities including ovipositing. 37 seen in 105 minutes
20.7	Mick Campbell	Piddington Wood	Meadow corner	3	p.m.	Warm and sunny	Meadow corner territory.
20.7	Mick Campbell	Little Wood		7	p.m. to 18.20	Warm and sunny	2 in territory at top of wood, 2 half way down and 3 at the bottom.
21.7	Wendy & Mick Campbell	Rushbeds Wood		0			
20.7	Olly Bevan	Rushbeds Wood	Ride leading to laplands meadow	1F			ovipositing

21.7	Dennis Dell with Tony Marshall	Area around Great Hampden	He took me to areas where there is sallow	0			Habitats look good; sighting made here in the past
21.7	Isobel Huggins	Bowdown Wood	SU512654 edge of deep open valley	1	13.00 to 13.30	Sunny intervals, windy	Darting out of, and perching on, Ash trees on edge of valley
22.7	Wendy & Mick Campbell	Whitecross Green Wood		1M, 2F		Warm and sunny	One of the females was ovipositing.
22.7	Richard Tomlin	Kimble Rifle Range	SP829052 path between the rifle range and Grangelands	1M	11.50		On dog faeces
22.7	Ewan Urquhart	Oakley wood	Around car park	1	11.00 to 12.30		
22.7	Isobel Huggins	Great Chalk Wood	SU804622	1		Sunny intervals and windy	Flew out of top of tall elm while we were watching white letter hairstreaks
23.7	Ewan Urquhart	Oakley Wood		1			
23.7	Wendy & Mick Campbell, Dennis Dell	Private bucks wood		22	10.45 to 13.00	Fine weather	All activities
24.7	Emma Turnbull	Windsor Great Park	Cottage garden south facing	1M	11.30 to 11.40	Warm and sunny	On dog faeces
24.7	Tim Watts	Finemere Wood	Well away from the main ride on north side	2			
24.7	Tim Watts	Romer Wood		3	12.00 to 14.30		One high up, worn; two females amongst sallows, landing probably ovipositing
25.7	Nick Bowles	Private bucks wood		7M, 2F			Males oak edging, females flying around sallows, about 2m from ground

25.7	Wendy & Mick Campbell	Oakley/Shabbington Woods		2 (one was f.)	12.00pm & 12.50		1 seen flying over sallow & oak next to main ride @ SP161311126; 2nd one flew across track, very low down – definite female.
25.7	Wendy & Mick Campbell	Waterperry Wood	SP6009	10	13.15 to 15.30	Partial cloud	A lot of activity, mostly males chasing & perching, and probably 3 females.
26.7	Wendy & Mick Campbell	Salcey Forest, south-east corner	SP8050 x 7 and SP8051 x 1.	8	13.00 to 16.00	Very cloudy, few sunny spells.	Quite a lot of activity, flying, perching & chasing but no females identified.
27.7	Martin Kincaid	Shenley Wood	SP826361	1F			Central ride, settled high up in oak, stayed there for at least 20 mins
27.7	Wendy & Mick Campbell	Piddington Wood		2	p.m.	Cloudy, few sunny spells	1 seen in meadow corner territory at 14.40; one seen flying around ash near big sallow (possible new territory?) @ SP628163 at 17.25.
27.7	Wendy & Mick Campbell	Little Wood		5 (one was f.)	p.m.	Cloudy, few sunny spells	3 seen in territory at top of wood; 2 seen in territory at bottom of wood.
28.7	Wendy & Mick Campbell	Sheephouse Wood	SP7023	4		Cloudy, warm, some rain.	1 seen at 13.00 over oak at SP706236; 3 seen chasing over oak/ash @ 14.00, SP70302381
29.7	Dennis Dell	Private Bucks wood		2 F	14.20 to 16.00	Hazy sun, warm	Big drop in numbers since the 25th
30.7	Wendy & Mick Campbell	Runts Wood	SP72182283	1M	14.50	Very warm, cloud & sun.	Seen flying above track.
30.7	Wendy & Mick Campbell	Greatsea Wood		2M, 1F		Very warm, cloud & sun.	2 above fir tree territory @ 13.00 & 1 female in sallow & 14.00.

30.7	Wendy & Mick Campbell	Romer Wood		5		Very warm, cloud & sun.	1 male in poplar tree territory; 2 males & 2 females at turning circle territory (sallows & oaks).
31.7	Wendy & Mick Campbell	Oakley Wood	SP61281150	1F & 1 egg	12.50pm	Cloudy, sunny intervals.	Female seen flying & sunbathing in sallows then laid an egg on narrow-leaved sallow at 12.50pm after a short spell of sun.
3.8	Mick Campbell & Dennis Dell	Private Bucks wood		3	13.30 to 15.30		Seen by Mick only before I arrived at same spot as last year, flying high around big Oaks
3.8	Mick Campbell	Piddington & Little Woods		2M			None seen in Piddington Wood. Two males seen chasing in Little Wood main territory.
5.8	Wendy & Mick Campbell	Waterperry Wood	SP60810984	1F			Ovipositing – 12.50pm.
5.8	Wendy & Mick Campbell	Hells Coppice	SP6110	1F			Flying around sallow.
5.8	Wendy & Mick Campbell and Dennis Dell	Piddington Wood	Corner meadow SP629162	1M	13.50		Flying around ash and oak
5.8	Wendy & Mick Campbell and Dennis Dell	Little Wood	Ash territory SP624157	2	14.35 and 16.30		Flying around and perching
5.8	Wendy & Mick Campbell and Dennis Dell	Little Wood	Open area in middle of wood SP623160; and Ash high territory	3 2	15.55		New area in middle: Gliding above line of oaks, chasing birds, and one quite low down near us on small oak
6.8	Wendy & Mick Campbell	Waterperry Wood	SP6009	3		Hot & sunny.	One female in sallow, wings very worn; one worn male at Dell's Corner flying & perching @ 12.30; 2 nd male flew across track @ 13.40.

7.8	Mick Campbell	Little Wood	2		Warm but strong gusty winds.	One male in main ash territory at top of wood, then 2 nd one flew from top of oak in the first ride and disappeared across the field flying very high up.
9.8	Wendy & Mick Campbell	Little Wood	1M			Worn but still flying in ash tree territory @ 15.00.
10.8	Dennis Dell	Private Bucks wood	1	17.30		Gliding at top of Oak at woodland edge