

Paxton Pits Nature Reserve Ringing Report 2007-2013



Methodology

Ringling

The British Trust for Ornithology (BTO) administers the bird ringling scheme in the United Kingdom on behalf of the Joint Nature Conservation Committee, to monitor the population demographics, migration routes and changes in phenology during breeding periods and migration.

One of the projects which the BTO run to monitor bird during the breeding season is the Constant Effort Scheme (CES). This has the aims of monitoring changes in adult abundance, juvenile abundance and adult survival rates between breeding seasons. A network of CES sites is run across the British Isles by volunteer ringers, with Paxton Pits Nature Reserve forming one of these – site number 780.

The ringling activity is kept as constant as possible between years, with the length of mist nests used remaining constant and the nets set in exactly the same places. At Paxton Pits eight nets are used in set locations of 140m length near one of the ex-gravel pits.

The period of ringling activity covers the entire breeding season for target passerines, and within this is split into 12 ten or eleven day periods. Each CES site is required to carry out ringling during at least eight of these periods annually, with at least four visits undertaken during May and June and at least four visits during July and August. The length of each ringling session should remain constant: at Paxton Pits this has been set at six hours, starting at around 0500 and finishing around 1100. No audio lures or supplementary feeding are permitted

The results are submitted annually to the BTO who collate them from all operational sites, and analyse them at a national and regional level. Results are published online at www.bto.org/ces. Statistical analysis at these scales is possible, but analysis at the site scale is less robust and is often indicative of trends rather than definitive.

The Constant Effort Site at Paxton Pits has operated in its current format since 2008. A pilot year took place in 2007, with the arrangements of nets changing between 2007 and 2008, but staying constant since. Less formal ringling also took place in the same general area from 2000 to 2001.

More intensive ringling takes place from the end of the CES period to mid-October to monitor the migration through Paxton Pits. The length of netting used varied between sessions, and often (but not always) an audio lure for Blackcaps and Chiffchaffs was played. Occasional, often less than monthly, ringling takes place during November to March. No ringling takes place in April before the start of the CES season to reduce the possibility of affecting settlement decisions on breeding birds in and around the ringling area.

From 2011 onwards, the length of net used at each session and length of time of each non-CES session was recorded. This was so that a crude measure of effort could be calculated to give some indication whether the variation in the number of birds caught each autumn was due to

variations in their overall abundance, or variation in effort expended by the team in attempting to catch them, or possibly both.

No systematic searches for nests were undertaken for any species, but occasionally nests were discovered. These were monitored with a minimum of disturbance and reported to the BTO Nest Recording Scheme. No monitoring of the nest boxes within the ringing area has been undertaken by the ringing team.

Species layout

Each species which has been caught from 2007 to 2013 is summarised as follows:

Status at Paxton Pits

UK Conservation Status (Eaton et al. 2009)

CES – a table indicating the number of each species caught each year during the overall CES period, subdivided into the number of adults, number of retrapped birds from previous years and number of juveniles caught. The ratio of the number of juveniles to number of adults caught is also presented as a proxy for breeding success, but considerable caution should be used when interpreting this particular figure, due to relatively low numbers caught for most species.

Nesting success – Any nests found and the subsequent success or failure is reported.

Total captures – similar to CES, a table is presented indicating the number caught for each species across the whole year and in each autumn (from end of CES to 15th October). The cumulative number of hours that ringing took place in each autumn, along with the cumulative length of net used is also reported.

Controls – the details, as given by the BTO, of any birds originally ringed at Paxton Pits which were recaptured elsewhere or found dead, or birds which were originally captured elsewhere and recaptured at Paxton Pits are presented for each species. Movements greater than 5km are also presented as maps in the Appendix.

Control codes:

1 - nestling

3J – young bird recently fledged

3 – Bird hatched that year

4 – Bird hatched one or more years before capture

5 – Definitely hatched in previous year

R – recaptured by another bird ringer

M – male F – female

Results

Bird ringing began in April 2007 and has continued since, with the site being run as a CES since 2008. During the CES project, only one planned visit has been missed in six years, although a few other visits were shorter than the planned six hours due to poor weather, Table 1.

Table 1. Dates of ringing within each visit period from 2008 to 2013

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------|-------|------|------|------|------|------|------|------|------|--------|--------|--------|
| | 3rd | 11th | 22nd | 1st | 14th | 24th | 7th | 13th | 27th | 9th | 18th | 23rd |
| 2008 | May | May | May | June | June | June | July | July | July | August | August | August |
| | 26th | 10th | 24th | 31st | 8th | 21st | 1st | | 25th | 2nd | 9th | 22nd |
| 2009 | April | May | May | May | June | June | July | - | July | August | August | August |
| | 29th | 15th | 22nd | 31st | 13th | 21st | 3rd | 18th | 25th | 1st | 15th | 22nd |
| 2010 | April | May | May | May | June | June | July | July | July | August | August | August |
| | 1st | 15th | 28th | 11th | 20th | 26th | 3rd | 15th | 26th | 7th | 19th | 27th |
| 2011 | May | May | May | June | June | June | July | July | July | August | August | August |
| | 6th | 13th | 27th | 10th | 17th | 30th | 7th | 15th | 29th | 12th | 18th | 27th |
| 2012 | May | May | May | June | June | June | July | July | July | August | August | August |
| | 5th | 12th | 25th | 2nd | 16th | 29th | 6th | 20th | 30th | 10th | 17th | 29th |
| 2013 | May | May | May | June | June | June | July | July | July | August | August | August |

Overall, 5,270 new birds of 44 species have been captured and ringed in the seven years of operation, along with 1,519 retraps (birds which were originally ringed at Paxton Pits and recaptured there at a later date. 13 birds which were originally captured and ringed elsewhere have been caught at Paxton Pits ('controls'), and a further 19 birds originally ringed at Paxton Pits were recaptured or found dead elsewhere.

The highlights were a Woodcock reported from the outskirts of Moscow (unfortunately shot), a Garden Warbler originally ringed in Spain and a Chiffchaff found dead in southern Portugal. A French-ringed Nightingale has also been caught at Paxton Pits but the original ringing details have not been forthcoming, because of problems with the French ringing scheme, and sadly there is a possibility we may never find out.

Blackcap is the species most often caught, representing 25% of all new birds caught and ringed. reflecting the large number which appear to migrate through Paxton Pits and their propensity to respond to audio lures. Chiffchaff is the next most commonly caught species, representing 9% of all new birds, with Blue Tit coming third, at 8% of all new birds caught, Figure 2.

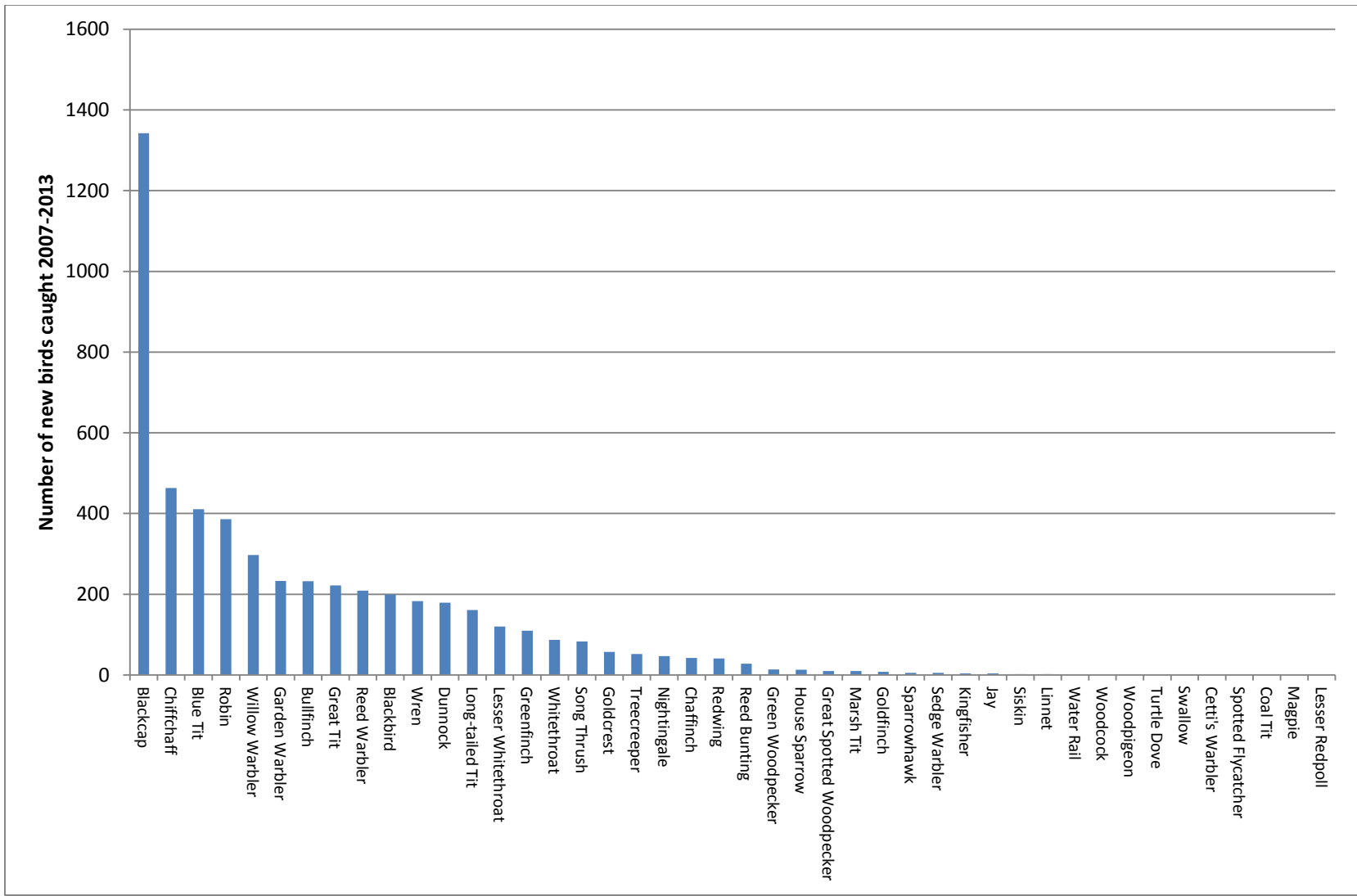


Figure 2. Cumulative number of new birds caught for each species ringed at Paxton Pits 2007-2013

Water Rail

Scarce breeder, sedentary and medium-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests found

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Sparrowhawk

Possible breeder

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 2 | 0 | 3 | 0 | 0 |
| # new autumn | 0 | 0 | 2 | 0 | 3 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

DD42739 3M 18/09/2011 Paxton Pits Nature Reserve, Cambridgeshire
Dead 16/03/2013 Offord D'Arcy, St. Neots, Cambridgeshire
4km NNE 1 yr 179days

Woodcock

Regular winter visitor, long-distance migrant

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests found

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

FH09453 6 03/01/2011 Paxton Pits Nature Reserve, Cambridgeshire
 shot 19/04/2012 Lomonosovskiy, Moscow, **RUSSIA** (Map 2)
 2496km E 1 yr 107days

Woodpigeon

Regular breeder, sedentary to long-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded

Turtle Dove

Formerly regular breeder, now scarce, long-distance migrant

Red-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded

Kingfisher

Regular breeder, sedentary

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | ∞ | ∞ | 0 | 0 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 2 | 1 | 1 | 0 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded

Green Woodpecker

Regular breeder, sedentary

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 1 | 2 | 0 | 1 | 0 | 2 | 1 |
| # retrap adults from previous years | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 2 | 2 | 0 | 0 | 0 | 2 | 1 |
| Ratio juveniles/adults | 2 | 0.7 | 0 | 0 | 0 | 1 | 1 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 3 | 4 | - | 1 | - | 4 | 3 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded

Great Spotted Woodpecker

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 1 | 2 | 1 | 1 | 0 | 1 | 0 |
| Ratio juveniles/adults | ∞ | ∞ | ∞ | ∞ | 0 | ∞ | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 1 | 2 | 1 | 3 | 2 | 1 | 0 |
| # new autumn | 0 | 0 | 0 | 2 | 2 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded

Barn Swallow

Regular passage migrant, long-distance migrant

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded

Winter wren

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 4 | 7 | 5 | 4 | 3 | 6 | 2 |
| # retrap adults from previous years | 0 | 2 | 1 | 1 | 0 | 0 | 1 |
| # juveniles | 16 | 13 | 20 | 10 | 22 | 21 | 10 |
| Ratio juveniles/adults | 4 | 1.4 | 3.3 | 2 | 7.3 | 3.5 | 3.3 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 24 | 29 | 27 | 20 | 34 | 27 | 20 |
| # new autumn | 1 | 7 | 1 | 3 | 6 | 0 | 8 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded

Dunnock

Regular breeder, sedentary

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 11 | 6 | 15 | 3 | 1 | 9 | 3 |
| # retrap adults from previous years | 0 | 5 | 4 | 9 | 6 | 7 | 3 |
| # juveniles | 13 | 14 | 24 | 6 | 15 | 6 | 4 |
| Ratio juveniles/adults | 1.2 | 1.3 | 1.3 | 0.5 | 2.1 | 0.4 | 0.7 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 32 | 27 | 43 | 14 | 27 | 22 | 14 |
| # new autumn | 7 | 7 | 2 | 3 | 11 | 7 | 7 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

X447120 3J 21/06/2009 Paxton Pits Nature Reserve, Cambridgeshire
Dead 08/12/2009 Little Paxton, Cambridgeshire
2km S 170 days

Robin

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 11 | 8 | 5 | 2 | 1 | 2 | 2 |
| # retrap adults from previous years | 0 | 6 | 3 | 6 | 1 | 3 | 1 |
| # juveniles | 39 | 45 | 34 | 38 | 68 | 38 | 30 |
| Ratio juveniles/adults | 3.5 | 3.2 | 4.3 | 4.8 | 34.0 | 7.6 | 10.0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 63 | 61 | 50 | 55 | 72 | 47 | 38 |
| # new autumn | 11 | 6 | 11 | 14 | 12 | 6 | 4 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

V440632 3J 23/06/2007 Paxton Pits Nature Reserve, Cambridgeshire
Dead 18/10/2007 Great Barford, Bedfordshire (Map 3)
14km SW 117 days

X447062 3J 24/05/2009 Paxton Pits Nature Reserve, Cambridgeshire
Dead 15/04/2010 Great Paxton, Cambridgeshire
1km E 326 days

Nightingale

Regular breeder, long-distance migrant

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 6 | 5 | 6 | 3 | 4 | 3 | 3 |
| # retrap adults from previous years | 1 | 1 | 1 | 3 | 1 | 1 | 0 |
| # juveniles | 1 | 4 | 0 | 5 | 2 | 0 | 0 |
| Ratio juveniles/adults | 0.14 | 0.67 | 0 | 0.83 | 0.40 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 7 | 9 | 6 | 8 | 6 | 3 | 3 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

Details awaited for French ringed adult female SA935307 caught in 2010.

Blackbird

Regular breeder and winter visitor, sedentary and long-distance migrant Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 15 | 9 | 9 | 6 | 0 | 6 | 2 |
| # retrap adults from previous years | 0 | 2 | 3 | 5 | 5 | 5 | 4 |
| # juveniles | 1 | 4 | 4 | 4 | 16 | 4 | 3 |
| Ratio juveniles/adults | 0.07 | 0.36 | 0.33 | 0.36 | 3.2 | 0.36 | 0.5 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 39 | 34 | 18 | 23 | 49 | 24 | 12 |
| # new autumn | 14 | 8 | 6 | 6 | 19 | 7 | 4 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

LA32759 5F 21/07/2008 Paxton Pits Nature Reserve, Cambridgeshire
Dead 20/02/2009 Great Paxton, Cambridgeshire
1km E 214 days

Song Thrush

Regular breeder and winter visitor, sedentary and long-distance migrant **Red-listed**

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 4 | 6 | 3 | 4 | 0 | 1 | 4 |
| # retrap adults from previous years | 0 | 0 | 4 | 0 | 0 | 1 | 2 |
| # juveniles | 2 | 3 | 4 | 0 | 7 | 1 | 0 |
| Ratio juveniles/adults | 0.5 | 0.5 | 0.57 | 0 | ∞ | 0.5 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 12 | 16 | 12 | 8 | 17 | 6 | 12 |
| # new autumn | 2 | 7 | 5 | 2 | 8 | 4 | 7 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Redwing

Winter visitor, long-distance migrant

Red-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 2 | 1 | 1 | 13 | 20 | 4 | 0 |
| # new autumn | 1 | 0 | 0 | 0 | 4 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Cetti's Warbler

Scarce breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Sedge Warbler

Regular breeder, long-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| Ratio juveniles/adults | 0 | ∞ | 0 | 1 | ∞ | 0 | 0 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 1 | 0 | 2 | 1 | 1 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

V942786 3 23/08/2008 Paxton Pits Nature Reserve, Cambridgeshire
 R 08/09/2008 Titchfield Haven, Fareham, Hampshire
 174km SSW 16 days (Map 4)

Reed Warbler

Regular breeder, long-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 6 | 4 | 5 | 9 | 11 | 14 | 9 |
| # retrap adults from previous years | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| # juveniles | 2 | 8 | 13 | 15 | 11 | 6 | 13 |
| Ratio juveniles/adults | 0.3 | 1.6 | 2.2 | 1.7 | 1 | 0.4 | 1.4 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 9 | 36 | 26 | 43 | 33 | 32 | 30 |
| # new autumn | 1 | 24 | 8 | 16 | 11 | 12 | 8 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

| | | | |
|---------|---|------------|--|
| V502176 | 4 | 26/08/2007 | Icklesham, East Sussex |
| | R | 10/05/2009 | Paxton Pits Nature Reserve, Cambridgeshire (Map 4) 163km NNW 1 yr 257days |
| X447069 | 4 | 24/05/2009 | Paxton Pits Nature Reserve, Cambridgeshire |
| | R | 02/09/2009 | Icklesham, East Sussex (Map 4) 163km SSE 101 days |

Lesser Whitethroat
Regular breeder, long-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 5 | 14 | 3 | 2 | 3 | 4 | 3 |
| # retrap adults from previous years | 0 | 1 | 3 | 1 | 0 | 0 | 0 |
| # juveniles | 5 | 11 | 2 | 6 | 5 | 4 | 1 |
| Ratio juveniles/adults | 1 | 0.73 | 0.33 | 2 | 1.67 | 1 | 0.33 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 15 | 32 | 10 | 27 | 13 | 17 | 6 |
| # new autumn | 5 | 7 | 5 | 16 | 5 | 9 | 2 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Common Whitethroat

Uncommon breeder, long-distance migrant

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 1 | 0 | 1 | 3 | 1 | 5 | 2 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 2 | 2 | 8 | 7 | 8 | 3 | 3 |
| Ratio juveniles/adults | 2 | ∞ | 8 | 2.3 | 8 | 0.6 | 1.5 |

Nesting success

No nests recorded.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 5 | 5 | 16 | 21 | 23 | 10 | 7 |
| # new autumn | 2 | 3 | 7 | 11 | 14 | 2 | 2 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Garden Warbler

Regular breeder, long-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 5 | 22 | 14 | 16 | 17 | 15 | 11 |
| # retrap adults from previous years | 0 | 1 | 6 | 5 | 3 | 6 | 4 |
| # juveniles | 15 | 19 | 6 | 14 | 10 | 19 | 13 |
| Ratio juveniles/adults | 3.0 | 0.8 | 0.3 | 0.7 | 0.5 | 0.9 | 0.9 |

Nesting success

One nest has been found in 2010, which successfully fledged 2 chicks, from 3 eggs laid.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 24 | 43 | 26 | 42 | 34 | 38 | 26 |
| # new autumn | 4 | 2 | 6 | 12 | 7 | 4 | 2 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

| | | | |
|-------------|----|------------|--|
| ESI N250336 | 3 | 29/08/2005 | Sebes, Flix, Tarragona, SPAIN |
| | R | 10/05/2009 | Paxton Pits Nature Reserve, Cambridgeshire |
| | R | 08/06/2009 | Paxton Pits Nature Reserve, Cambridgeshire 1224km N 3 yrs 283days (Map 2) |
| T900306 | 3J | 25/07/2008 | Priory Country Park, Bedford, Bedfordshire |
| | R | 17/08/2009 | Paxton Pits Nature Reserve, Cambridgeshire 18km NE 1 yr 23days (Map 3) |

Blackcap

Regular breeder, medium-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 13 | 24 | 16 | 29 | 23 | 30 | 18 |
| # retrap adults from previous years | 0 | 1 | 1 | 3 | 2 | 0 | 3 |
| # juveniles | 24 | 30 | 10 | 12 | 44 | 31 | 16 |
| Ratio juveniles/adults | 1.9 | 1.2 | 0.6 | 0.4 | 1.8 | 1.0 | 0.8 |

Nesting success

One nest has been found in 2008, although just outside the ringing area. This nest failed, probably as the nest was disintegrating and at a steep angle when observed with two large chicks which were incapable of flight. The next day the nest had almost entirely disintegrated and there was no sign of the chicks.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 178 | 163 | 152 | 202 | 279 | 209 | 153 |
| # new autumn | 140 | 112 | 126 | 154 | 210 | 148 | 119 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

L109337 3M 19/09/2010 Beachy Head, East Sussex
 R 27/09/2010 Paxton Pits Nature Reserve, Cambridgeshire (Map 5)
 172km NNW 8 days

| | | | |
|---------|--------------|--|--|
| L681992 | 4M R | 25/06/2012 09/09/2012 | Eston Tarn, North Yorkshire Paxton Pits Nature Reserve, Cambridgeshire (Map 5) 231km SSE 76 days |
| T694723 | 3 R | 03/08/2007 22/09/2007 | Trabboch Loch, Hillhead, Ayrshire, South Ayrshire Paxton Pits Nature Reserve, Cambridgeshire (Map 5) 451km SE 50days |
| V378184 | 3M R | 08/08/2007 09/09/2007 | Pensthorpe, Norfolk Paxton Pits Nature Reserve, Cambridgeshire (Map 5) 100km SW 32 days |
| V482294 | 3M R | 04/09/2007 06/09/2007 | Sandwich Bay Bird Observatory, Kent Paxton Pits Nature Reserve, Cambridgeshire (Map 5) 157km NW 2 days |
| X395743 | 3M R R | 11/09/2009 11/06/2011 12/05/2013 | Wick Reedbed, Bournemouth Paxton Pits Nature Reserve, Cambridgeshire Paxton Pits Nature Reserve, Cambridgeshire (Map 5) 200km NNE 3 yrs 243days |
| Y308625 | 3M R | 28/08/2011 13/09/2011 | Paxton Pits Nature Reserve, Cambridgeshire Icklesham, East Sussex (Map 5) 163km SSE 16 days |
| Y308733 | 3F R | 08/09/2011 12/04/2012 | Paxton Pits Nature Reserve, Cambridgeshire Languard Point, Felixtowe, Suffolk (Map 5) 113km ESE 217 days |
| Y661548 | 3J R | 27/07/2013 08/09/2013 | Rye Meads, Hertfordshire Paxton Pits Nature Reserve, Cambridgeshire (Map 5) 56km NNW 43 days |
| Y801828 | 3F R | 15/09/2012 21/09/2012 | Paxton Pits Nature Reserve, Cambridgeshire Old Weston, Cambridgeshire (Map 5) 18km NW 6 days |
| Y801924 | 3M R | 28/09/2012 07/10/2012 | Paxton Pits Nature Reserve, Cambridgeshire Hinxton Hall Genome Campus, Cambridgeshire (Map 5) 35km SE 9 days |

Chiffchaff

Regular breeder, medium-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 5 | 9 | 1 | 7 | 2 | 4 | 8 |
| # retrap adults from previous years | 0 | 0 | 1 | 3 | 4 | 0 | 0 |
| # juveniles | 9 | 37 | 41 | 53 | 21 | 10 | 27 |
| Ratio juveniles/adults | 1.8 | 4.2 | 20.5 | 5.3 | 3.5 | 2.5 | 3.4 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 30 | 98 | 77 | 128 | 47 | 29 | 54 |
| # new autumn | 16 | 54 | 35 | 64 | 23 | 15 | 19 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

| | | | |
|--------|----|------------|--|
| CCT793 | 3J | 07/07/2008 | Paxton Pits Nature Reserve, Cambridgeshire |
| | R | 13/04/2009 | Wicken Fen, Cambridgeshire (Map 6) 36km E 280 days |
| CJC733 | 3 | 19/09/2008 | Icklesham, East Sussex |
| | R | 26/04/2009 | Paxton Pits Nature Reserve, Cambridgeshire (Map 6) 163km NNW 219 days |

| | | | |
|--------|------|------------|--|
| DLV562 | 3J | 15/08/2010 | Paxton Pits Nature Reserve, Cambridgeshire |
| | R | 09/09/2010 | Paxton Pits Nature Reserve, Cambridgeshire |
| | R | 03/07/2011 | near Stanwick, Northamptonshire (Map 6) 26km WNW 322 days |
| DLV600 | 3 | 27/08/2010 | Paxton Pits Nature Reserve, Cambridgeshire |
| | Dead | 10/11/2010 | Faro, PORTUGAL (Map 2) 1796km SSW 75 days |
| DPN538 | 3 | 30/08/2010 | Paxton Pits Nature Reserve, Cambridgeshire |
| | R | 01/09/2010 | Paxton Pits Nature Reserve, Cambridgeshire |
| | R | 13/10/2010 | Icklesham, East Sussex (Map 6) 163km SSE 44 days |

Willow Warbler

Regular breeder, long-distance migrant

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 13 | 18 | 16 | 21 | 13 | 13 | 8 |
| # retrap adults from previous years | 0 | 1 | 1 | 3 | 2 | 3 | 3 |
| # juveniles | 21 | 15 | 18 | 43 | 12 | 29 | 7 |
| Ratio juveniles/adults | 1.6 | 0.8 | 1.1 | 1.8 | 0.8 | 1.8 | 0.6 |

Nesting success

Five nests have been found, 1 in 2007, 1 in 2008, 1 in 2010 and 2 in 2011. Only the 2007 nest was successful, fledging 5 chicks.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 35 | 46 | 39 | 83 | 28 | 50 | 17 |
| # new autumn | 1 | 13 | 5 | 18 | 2 | 8 | 2 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Goldcrest

Scarce breeder, sedentary and medium-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 1 | 1 | 1 | 2 | 0 |
| Ratio juveniles/adults | 0 | 0 | ∞ | ∞ | ∞ | ∞ | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 2 | 11 | 16 | 10 | 17 | 1 |
| # new autumn | 0 | 2 | 10 | 15 | 9 | 15 | 1 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Spotted Flycatcher

Scarce passage migrant, long-distance migrant

Red-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # new autumn | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Long-tailed Tit

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 9 | 3 | 4 | 2 | 3 | 2 | 3 |
| # retrap adults from previous years | 0 | 6 | 1 | 8 | 3 | 2 | 4 |
| # juveniles | 16 | 7 | 4 | 13 | 1 | 1 | 1 |
| Ratio juveniles/adults | 1.8 | 0.8 | 0.8 | 1.3 | 0.2 | 0.3 | 0.1 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 34 | 35 | 19 | 17 | 43 | 9 | 4 |
| # new autumn | 9 | 14 | 12 | 0 | 19 | 3 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

DPN712 2 20/09/2011 Paxton Pits Nature Reserve, Cambridgeshire
 R 29/03/2013 Sandy Smith NR, Beadlow, Bedfordshire (Map 3)
 26km SSW 1 yr 190days

Marsh Tit

Regular breeder, sedentary

Red-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | ∞ | ∞ | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 2 | 1 | 1 | 1 | 4 | 1 | 0 |
| # new autumn | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Coal Tit

Scarce breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | ∞ |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Blue Tit

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 14 | 10 | 8 | 3 | 8 | 8 | 3 |
| # retrap adults from previous years | 0 | 2 | 5 | 7 | 3 | 8 | 4 |
| # juveniles | 12 | 11 | 28 | 18 | 30 | 4 | 13 |
| Ratio juveniles/adults | 0.9 | 0.9 | 2.2 | 1.8 | 2.7 | 0.3 | 1.9 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 39 | 58 | 73 | 73 | 105 | 33 | 30 |
| # new autumn | 13 | 32 | 32 | 26 | 43 | 12 | 13 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Great Tit

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 10 | 6 | 5 | 7 | 2 | 3 | 3 |
| # retrap adults from previous years | 0 | 1 | 3 | 3 | 4 | 6 | 6 |
| # juveniles | 7 | 10 | 14 | 14 | 23 | 11 | 8 |
| Ratio juveniles/adults | 0.7 | 1.4 | 1.8 | 1.4 | 3.8 | 1.2 | 0.9 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 23 | 31 | 32 | 44 | 53 | 22 | 17 |
| # new autumn | 5 | 10 | 10 | 12 | 21 | 5 | 6 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Treecreeper

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 1 | 0 | 1 | 1 | 2 | 2 |
| # juveniles | 6 | 5 | 5 | 5 | 6 | 5 | 3 |
| Ratio juveniles/adults | 3 | 5 | ∞ | 5 | 6 | 2.5 | 1.5 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 9 | 5 | 6 | 10 | 11 | 8 | 3 |
| # new autumn | 0 | 0 | 1 | 2 | 3 | 3 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Magpie

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | ∞ | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Jay

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 1 | 2 | 0 | 0 | 1 | 0 | 0 |
| # new autumn | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

House Sparrow

Non-breeder, sedentary

Red-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 9 | 0 | 1 | 1 | 0 | 2 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 9 | 0 | 1 | 1 | 0 | 2 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Chaffinch

Regular breeder, sedentary

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 3 | 6 | 1 | 1 | 5 | 4 | 3 |
| # retrap adults from previous years | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| # juveniles | 1 | 0 | 1 | 1 | 0 | 0 | 1 |
| Ratio juveniles/adults | 0.3 | 0 | 1 | 0.5 | 0 | 0 | 0.3 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 6 | 10 | 5 | 2 | 8 | 5 | 6 |
| # new autumn | 2 | 2 | 2 | 0 | 2 | 0 | 2 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Linnet

Non-breeder, short to medium-distance migrant

Red-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| # new autumn | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Goldfinch

Scarce breeder, short to medium-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 2 | 0 | 4 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 0 | 2 | 1 | 5 |
| # new autumn | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Greenfinch

Regular breeder, short to medium-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|----------|------|------|------|------|------|------|
| # new adults | 0 | 15 | 3 | 1 | 4 | 3 | 1 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 3 | 2 | 2 | 0 | 3 | 1 | 0 |
| Ratio juveniles/adults | ∞ | 0.1 | 0.7 | 0 | 0.8 | 0.3 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 7 | 32 | 8 | 9 | 36 | 8 | 10 |
| # new autumn | 2 | 8 | 3 | 5 | 27 | 4 | 9 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

TK63672 6M 31/05/2009 Paxton Pits Nature Reserve, Cambridgeshire
Dead 29/06/2011 Great Paxton, Cambridgeshire
1km E 2 yrs 29days

Siskin

Passage migrant, medium to long-distance migrant

Green-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| # new autumn | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Lesser Redpoll

Irregular passage migrant, medium-distance migrant

Red-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # juveniles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| # new autumn | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

Y308935 3M 08/10/2011 Paxton Pits Nature Reserve, Cambridgeshire
R 02/03/2012 Baldwin's Hill, East Grinstead, West Sussex (Map 4)
125km S 146 days

Bullfinch

Regular breeder, sedentary

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 9 | 14 | 11 | 11 | 8 | 15 | 11 |
| # retrap adults from previous years | 0 | 4 | 6 | 6 | 4 | 4 | 3 |
| # juveniles | 6 | 5 | 1 | 3 | 20 | 8 | 5 |
| Ratio juveniles/adults | 0.7 | 0.3 | 0.1 | 0.2 | 1.7 | 0.4 | 0.4 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 16 | 33 | 26 | 28 | 67 | 33 | 29 |
| # new autumn | 1 | 12 | 14 | 9 | 31 | 9 | 10 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Reed Bunting

Scarce breeder, sedentary to short-distance migrant

Amber-listed

CES

| | (2007) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|--------|------|------|------|------|------|------|
| # new adults | 0 | 3 | 2 | 5 | 1 | 2 | 2 |
| # retrap adults from previous years | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| # juveniles | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| Ratio juveniles/adults | 0 | 0 | 0 | 0.2 | 1 | 0 | 0 |

Nesting success

No nests have been found.

TOTAL CAPTURES

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|-------|------|-------|
| # new total over whole year | 1 | 3 | 2 | 7 | 11 | 2 | 2 |
| # new autumn | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| # hours post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 62.5 | 37.0 | 38.3 |
| Cumulative length of net post CES to mid-Oct | not recorded | not recorded | not recorded | not recorded | 1704m | 990m | 1464m |

Controls

No movements recorded.

Acknowledgements

None of this would have been possible without the permission given by Paxton Pits Nature Reserve to carry out our ringing activities at Paxton Pits, the financial support given by the Friends of Paxton Pits Nature Reserve and all the time given by the ringers: Guy Anderson, Louise Bacon, Alan Bull, Elisabeth Charman, Alice Davey, Rosemary Dillon, Neil Gates, Leane Holyoak, Roger Hughes, Emma Inzani, Helen Inzani, Victor Inzani, John Mallord, Kevin Middleton, Saoirse Morgan, Judith Norfolk, Rebekah O'Driscoll, Maureen Reeves, Chris de Ruyck, Andy Stanbury, Kelly Thomas, Paul Tinsley-Marshall, Graham Uney. Particular thanks go to Jim Stevenson and Ray Matthews for their support over the years.

References

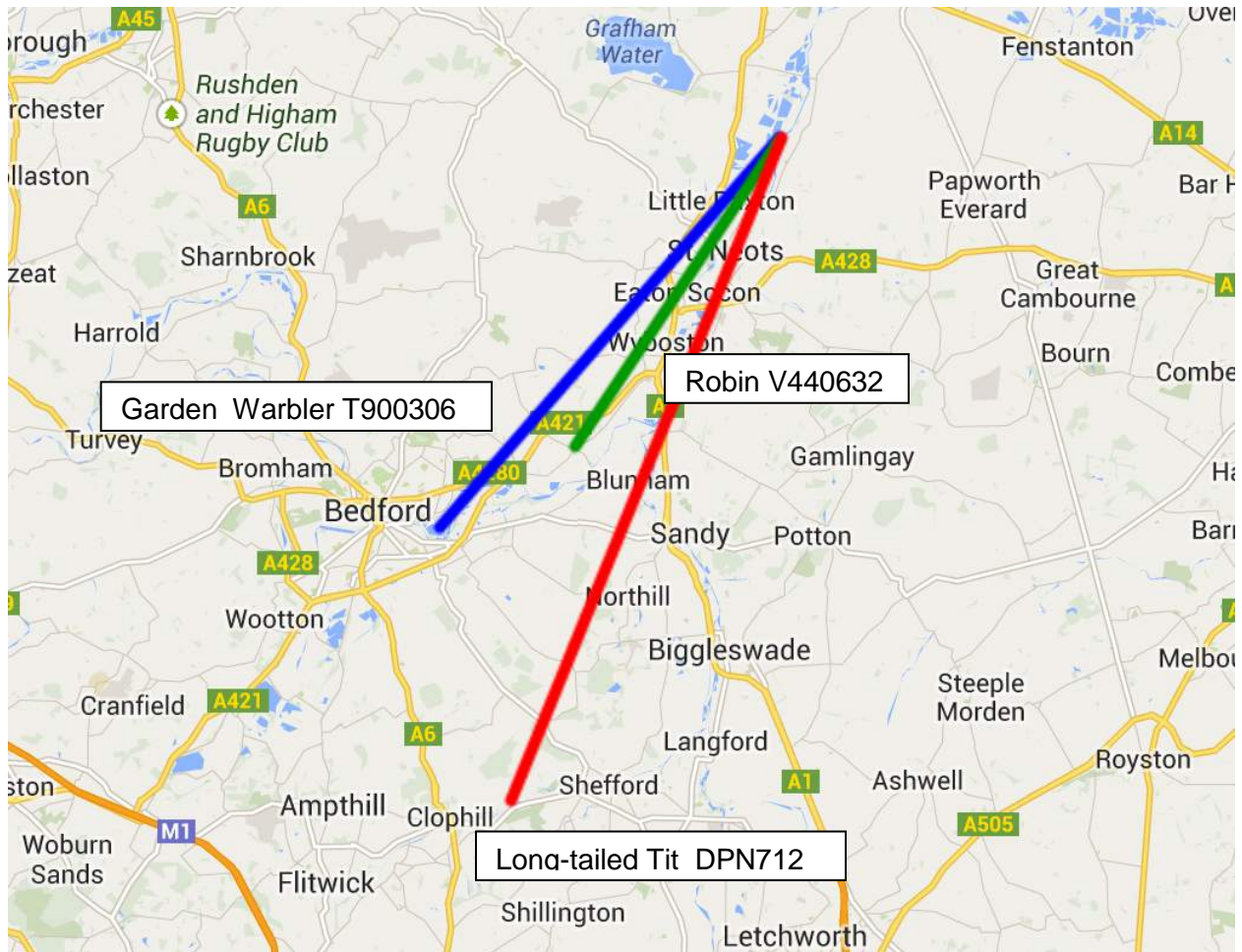
Eaton, M.A, Brown, A.F., Noble, D.G., Musgrove, A.J., Hearn, R.D., Aebischer, N.J., Gibbons, D.W., Evans, A. & Gregory, R.D. 2009. Birds of Conservation Concern 3: The population status of birds in the United Kingdom, Channel Islands and Isle of Man. *British Birds* **102**: 296-341

Appendix

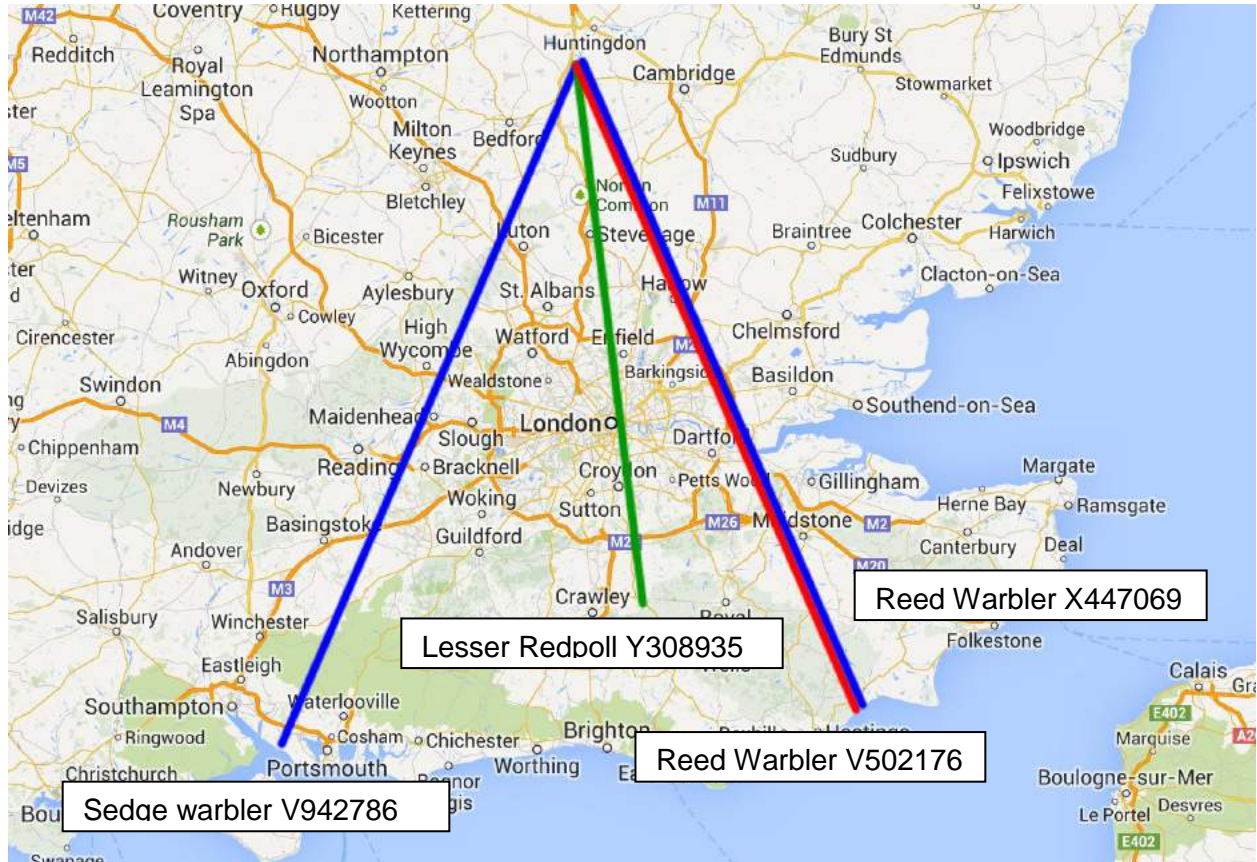
Map 2. International movements of birds recorded from ringing at Paxton pits 2007-2013



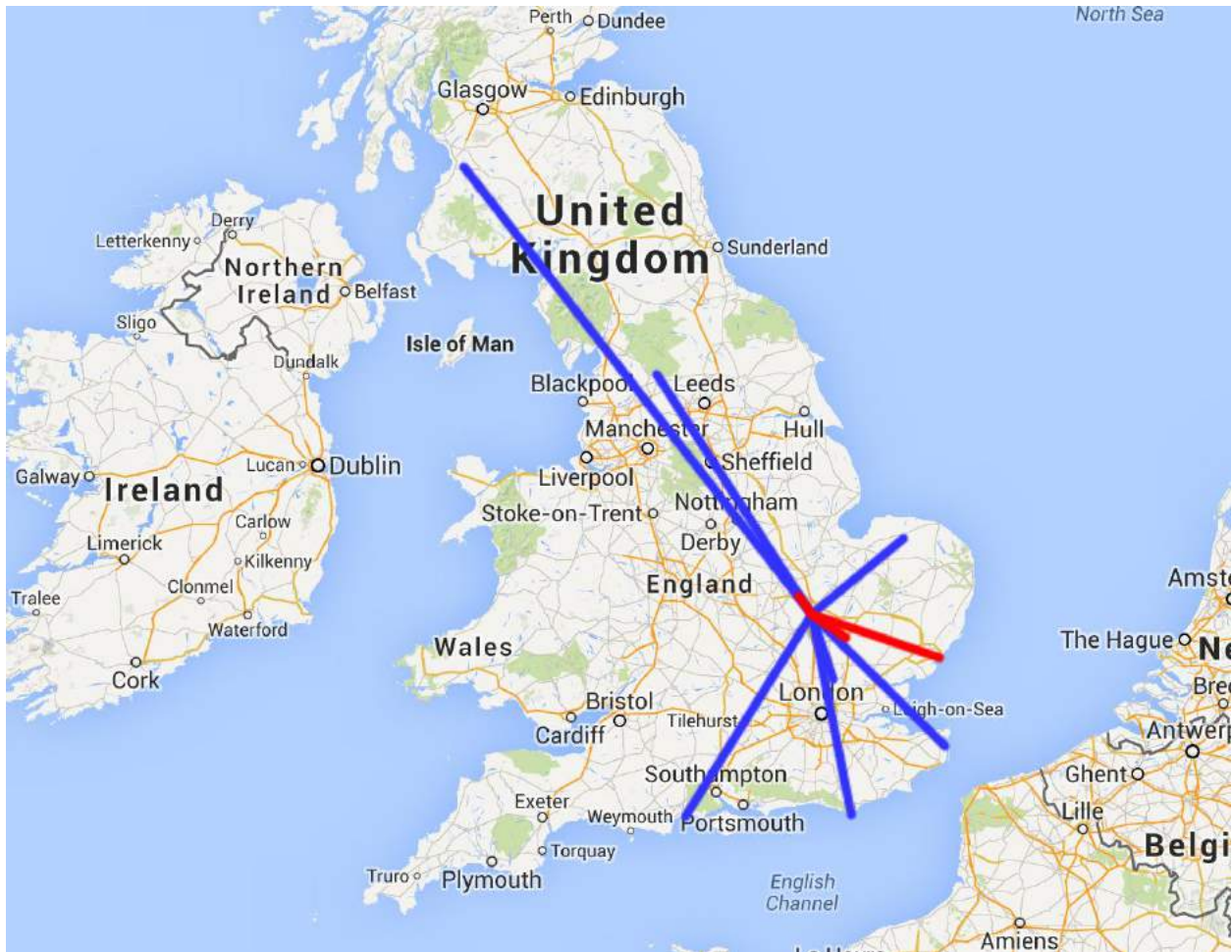
Map 3. Short-distance movements within UK of birds reported at Paxton Pits 2007-2013



Map 4. Long-distance movements within UK of birds reported at Paxton Pits 207-2013



Map 5. Movements of blackcaps reported at Paxton Pits 2007-2013



Red lines indicate movements of Blackcaps originally captured at Paxton Pits and recaptured elsewhere.

Blue lines indicate movements of Blackcaps originally captured elsewhere and recaptured at Paxton Pits.

Map 6. Movements of chiffchaffs reported at Paxton Pits 2007-2013



Note: The movement of a chiffchaff from Paxton Pits Nature Reserve to Faro, Portugal is excluded from this map, but shown in Map 2.