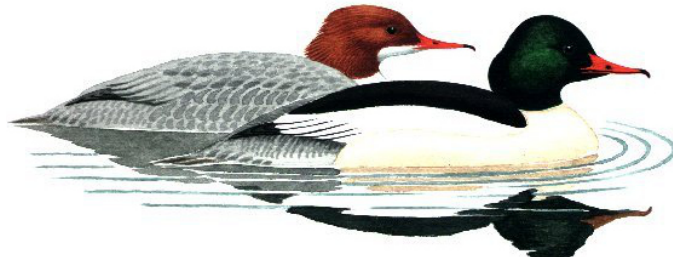


# Moor Green Lakes Nature Reserve



THIRTY-THIRD ANNUAL REPORT

2025







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# Preface

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*Photo previous page: Little Ringed Plover - Charadrius dubius © Peter Craig 2025*

On the contents page you can click on a chapter/appendix header to jump straight to that section. At the bottom right of each page you can click on the contents button to jump back to the contents page.

This report covers calendar year of 2025 unless otherwise stated.

Surveys cover the area of the Moor Green Lakes - around Colebrook Lake, Grove Lake - and the adjacent riverside path. Bird surveys however include the area around Manor Farm. See Appendix A for maps including Map 1 which places Moor Green Lakes in context with other green spaces along the Blackwater Valley.

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This report was first published on 5-Aug-2026 (V1)



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# MOOR GREEN LAKES NATURE RESERVE

## Thirty-third Annual Report - 2025

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# Chapter 1 - Introduction

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*Chairman: Simon Weeks*

Welcome to the thirty-third annual report of the Moor Green Lakes Group.

2025 has probably been the most significant year for the Group since its original inception. We have previously been an informal occupier of the site, once used for quarrying and owned by a succession of multinational companies, with Hall Aggregates (Southeast) Ltd as the owner when the Group was initially formed. Late in 2024, CEMEX advised they were considering disposing of the site and would prefer to sell to MGLG. As a volunteer group our financial position meant the £300,000 price was way beyond our reach. When the site was actively marketed in April 2025, we had discussions with a long-standing Finchampstead family, who most generously agreed to purchase the site on behalf of the Group and local community. Although the purchase was agreed in May, completion did not occur until December 2025. By prior agreement, the family then gifted the freehold to Finchampstead Parish Council. So, we now have a long lease and an "involved" owner who will provide ongoing financial security and support. A great outcome for the Group.

Finchampstead Parish Council is in the process of setting up a Charitable Incorporated Organization, Moor Green Lakes Trust (as at end of 2025), which will oversee the relationship between the Council as freeholders and the existing MGLG as lessees. Trustees of this charity are drawn from both the Council and MGLG Committee. The establishment of charitable status should also allow the Group to access a range of new sources of funding.

Visitor numbers (both individual and group visits) remain strong. We have welcomed groups from local schools, Ramblers, RSPB, BOC, U3A, Scouts and churches. Our car park is also getting busier, as visitors are being attracted to the adjoining restored Manor Farm and Fleet Hill Farm sites, which are still owned by CEMEX. MGLG continues to engage with relevant parties regarding the future of these two valued sites.

In March 2026 the Group were pleased to attend the AGM of the Blackwater Valley Countryside Trust (BVCT), where we received their award as "Winner - Access to Nature Project of the Year" for successfully securing the long-term future of the site through acquisition. At this event I was asked to present their Lifetime Achievement Award to Dr Steve Bailey who retired as manager of the Blackwater Valley Countryside Partnership after 30+ years. Steve had been involved in and very supportive of the MGLG site from our beginning back in 1993.

This Annual Report extends to 101 pages and provides comprehensive coverage of the recording and conservation work undertaken by our many volunteers. I must thank Iain Oldcorn our previous Annual Report Editor who stepped down from the role after many years compiling this report. I am pleased to report that Steve Arnold has now taken on this role and will be assisted by Peter Craig. We trust you will recognise the efforts made in preparing this report, with its comprehensive coverage, useful data and exceptional photographs.

Finally, I must thank our work party organisers, volunteers, wildlife recorders and Blackwater Valley Countryside Partnership staff - and of course the Committee and our approximately 260 highly valued members for their collective support and contribution to the continued success of this valued reserve and Group.





*Above: Some of our volunteers, lifeblood of our work managing the reserve © Sarah Elston 2025*

*Below Left: The BVCT Award Trophy © Simon Weeks 2026*

*Below Right: Kingfisher near Grove Hide © Peter Craig 2025*

*Bottom Left: Common Blue on Meadowsweet © Steve Arnold 2025*

*Bottom Right: Damselflies forming an orderly queue © Peter Craig 2025*



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## Chapter 2 - Site Management Report

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*BVCP rangers: Matt Bennett and Sara Green*

### Summary

This Annual Report summarises the practical tasks carried out over the year April 2025 until the end of March 2026. These have been led by rangers from the Blackwater Valley Countryside Partnership (BVCP) and volunteer leaders from the Moor Green Lakes Group (MGLG), to facilitate and support input from local volunteers to promote the site for wildlife and visitors.

### Key Successes

- ◇ Invested 35 ranger days managing Moor Green Lakes.
- ◇ Trees thinned, path cuts and opened out scrapes on Long Island.
- ◇ Completed a Sunday task tree cutting on Long Island with a local scout group.
- ◇ Lakeside coupes coppiced by volunteers only this season.
- ◇ A further 40 metres of path hedge laying completed.
- ◇ Cleared most of the trees from Sandpiper Island.
- ◇ Bramble areas reduced and widened access paths with the use of the Robo-flail.
- ◇ Repaired revetments filling dog washes along the river using material from coppice coupes.

### Work Undertaken

In addition to the behind-the-scenes work by the committee and site leaders to ensure running of the site, safety work and responding to reports, litter picking and general patrols, the key management tasks by activity were:

#### Access

The 5km of paths around and within Moor Green Lakes were trimmed and mown, with further work on cutting back with hedge cutters and hand tools. This included maintaining access for hides, public footpaths and bridleways, car park sight lines and internal tracks for surveyors and tasks. Any hazardous, fallen or hung-up trees were removed or cut back and tidied into brash and logs piles.

#### Fencing and Construction

Work this year was to continue to repair and replace old or broken posts and check the wire boundary fence in various areas of the site to maintain security, keep the cattle where they are supposed to be and reduce unwelcome visitors. These were repaired during the reserve work parties. The disused outflow from Colebrook Lake into the river was shored up with sandbags due to erosion around the pipe. Revetment work was completed filling dog washes along the river using material from coppice coupes.





*Revetment work to repair dog wash © Sara Green 2025*

## Vegetation Management

To maintain exposed gravel nesting sites, vegetation was once again cleared from Tern Island. Clearing willow from Long Island, including a task with a local scout group who cleared 110m of shoreline on South West Long Island. The scout group are keen to return next year. Trialling chemical control of vegetation on Plover Island was planned for this year but due to weather constraints this could not be undertaken. Vegetation was also cleared in front of and around Grove and Colebrook hides, and the shorelines of the acidic meadow on Colebrook North.



*Pontoon in use to enable vegetation management on Long Island © Duncan Clark 2025*



The scrapes and bunds in front of the viewing screens on both Colebrook and Grove hide were again cut down to provide better foraging areas for waders and maintain the views across the lakes for birders and general visitors to the site. Most of the trees were cleared from Sandpiper Island.

Himalayan Balsam was cleared along the southern end of the bridleway.

### Hay Cuts

The grass in the bird feeder field in front of Colebrook Hide was cut and removed.

This plot is not grazed but successive cutting and removal of hay using the motor scythe has reduced nutrients for the vigorous grass and promoted a low sward for wildflowers.

### Coppicing, hedge-laying and tree planting

Due to having no contractors to assist again this year, the volunteers completed all the required coppicing of the coupes along the river path. This 10-year coppicing cycle continues the development of dense scrub for nesting birds and wildlife, with the added benefit of providing open areas as viewing sections and opportunities for 'sun loving' invertebrates like butterflies. Some of the cut material, particularly Hazel, was used in the continued work of extending the path/bridleway hedge and this year was also used in river revetment work. Approximately 40m of hedge laying was completed. Next year, the hedge laying should continue along the footpath north of the pedestrian bridge near Colebrook Hide.

The 5 disease resistant Elms that have been cared for over the past year are thriving.

### Roboflail

A Roboflail was again hired and used on some parts of Colebrook Lake meadows to remove thick areas of bramble and clear beneath the Barn Owl box as well as to widen the path along the north of both Colebrook and Grove Lakes. Further areas of blackthorn and bramble were cut, to reduce grass loss and to maintain age and structure across the reserve.

The flail was taken along the west of Colebrook Lake to reduce the Blackthorn scrub and open-up some vistas for superb views across the lake.

Cutting of riparian (adjacent to streams) scrub and brambles is still an important part of the work to prevent the loss of the valuable wildflower meadows that would otherwise become overgrown.

Large areas of brambles were cleared from the acidic meadow to increase the uninterrupted area of grass. Numerous frogs, toads and small mammals were seen during this task which points to the health of the populations in this area.



*Roboflail in action © Matt Bennett 2025*





*Enlarged the acidic meadow to create an uninterrupted section (before and after) © Sara Green 2025*

### Grazing, monitoring and owl boxes

Cattle grazing keeps the meadows on Colebrook and Grove open and reduces scrub encroachment, which would otherwise result in the loss of the grassland habitat and any associated wildlife species. The grazing also creates a more varied structure than just cutting and develops a micro-climate within the grasses, suitable for the many invertebrates utilising the site including butterflies, dragonflies, moths, bees, hoverflies and wasps.

Due to an issue with fencing on the north of Grove Lake, the cattle only grazed around Colebrook Lake this year.

Fences were maintained to support the grazing. The cattle also add dung to areas creating hot spots for invertebrates who love the dung and subsequently provide food for feeding birds and bats.

The bat boxes alongside the river were checked this year and 4 were rehung. Of 22 bat boxes checked, 10 showed signs of use, with 20 bats found across 5 boxes. All bats found were Soprano Pipistrelles.

The Barn Owl nest boxes were replaced in Moor Green Lakes and Manor Farm this spring as part of a 25 nest box renewal project led by Stuart with funding by Wokingham Borough Council. It was a poor year for Barn Owls across the region, so the fact that we found a non-breeding pair in the MGL box is encouraging. Although the lack of usual rodent stock-piling and low small mammal survey counts, support the current idea that the poor Barn Owl year was due to a poor year for the cyclic small mammal populations and 'awkward' weather.

Several more reptile tins have been put out around the south side of Grove to increase the area of monitoring.

## Volunteer Summary

Summary of volunteer numbers on practical tasks

| Volunteer Tasks              | Task Count | Volunteer Count | Average per Task |
|------------------------------|------------|-----------------|------------------|
| MGLG                         | 8          | 163             | 20               |
| BVCP                         | 12         | 186             | 15.5             |
| <i>Total Volunteer Tasks</i> | <i>20</i>  | <i>349</i>      |                  |

Value of Volunteering effort

| Volunteer Tasks              | Person Days | Value £/Day | Total          |
|------------------------------|-------------|-------------|----------------|
| Volunteers                   | 203         | 50          | £10,150        |
| Volunteer leaders (see note) | 146         | 150         | £21,900        |
| <i>Total Value</i>           |             |             | <i>£32,050</i> |

Note - Volunteer leaders logged separately to reflect the added value that Moor Green Lakes gain from their skill leading volunteers and/or using machines.

## Special Thanks

A huge thank you to all the volunteers who have helped us on the reserve year on year, whom we could not do without. Their work effort and commitment is immense. Thank you to the Moor Green Lakes Group for their continued support and to Simon Weeks for leading the committee as Chairperson.

Thank you to all the committee for their hard and crucial work behind the scenes including all the surveys that are carried out, organising the grazing, visitor/neighbour liaison, dealing with issues on site and recruiting new volunteers.

A huge thank you goes to the MGLG volunteer leaders Duncan Clark, Jane Heritage, Tony Elston, Jon Needes and Sarah Elston. Their continued enthusiasm and hard work is very much appreciated. Thank you for their time and effort in not only leading volunteer groups, but all the planning work that goes on behind the scenes organising the tasks and tools.



*Left: A toad acting in a management position © Sarah Elston 2025.*

*Right: The finished result of hedge laying on a very rainy day © Sara Green 2025.*



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## Chapter 3 - Bird Report

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### *Bird Recorder: Robert Godden*

In 2025, 129 species of bird were reported at Moor Green Lakes, a slight increase on last year's 127. The list of 45 species confirmed or probably breeding is comparable to last year's.

### **Winter**

A feature of Moor Green Lakes is the large number of wintering wildfowl, with increases in resident species such as Tufted Ducks and Gadwall, and arrivals of non-resident species such as Wigeon and Shoveler. For most duck species, the wintering numbers weren't that high but Shoveler numbers on Grove Lake built up to an impressive 106 on Dec 27th. Goldeneyes used to be a reliable sight in small numbers, but in recent years Goldeneye may be altogether absent or recorded on a single day (as in 2025) as a bird passes through. Pintail numbers tend to be variable, but there was a good sprinkling of records in both winter periods in 2025.

Snipe are always evident around the lake margins, but the large numbers actually present are best appreciated during WeBS surveys when birds are disturbed from the wet grassland areas, such as the 108 found on Feb 17th. These surveys have also shown that Jack Snipe are regular winter visitors, with seven reports in 2025.

Winter finch numbers vary considerably from year to year; normally a flock of 50 Redpolls is noteworthy but in 2025 Redpoll numbers had reached 100 in October and an amazing 400 were estimated on Nov 4th, with large flocks making a delightful sight on Manor Farm to the end of the year.

### **Spring Passage**

Spring passage was poor in 2025. Among the wader species that could be expected, there was a single Ringed Plover, a Black-tailed Godwit, two Dunlins, three reports of Redshank and no Greenshank, Wood Sandpiper or Whimbrel, but ten reports of Common Sandpiper. The tall vegetation around the lakes created poor visibility and, combined with high water levels, unsuitable habitat for waders to touch down. These days, Willow Warblers pass through at the start of April so the single report on Apr 6th continues the downward trend. Wheatears failed to appear, as areas of short grass and bare gravel were in short supply.



*Black-tailed Godwit © Peter Craig 2025*

## Breeding

There was mixed success in the breeding season. Oystercatchers are now established breeders, having only failed once since their first attempt in 2014, and bred again in 2025, though only one of the four chicks eventually fledged. Common Terns raised young from at least three nests on Tern Island, and on Manor Farm reports of Water Rails in late spring suggested that they probably bred. Elsewhere on Manor Farm, two pairs of Stonechat bred producing good numbers in summer.

Early in the year Barn Owls delighted birders, photographers and the walking public with reliable views around dawn and dusk, but there was no successful breeding outcome in common with the nationwide experience, generally attributed to a dry spring and summer resulting in low numbers of their rodent prey. Though they have become regular summer visitors, Shelducks have only a 50% breeding success rate, and there appeared to be no breeding attempt in 2025. Both grebe species were around in 2025, but no young were reported – hopefully they were just overlooked. Probably the most concerning news was the absence of Little Ringed Plover and Lapwing breeding evidence, despite both being present and showing territorial behaviour in early spring. High water levels on Manor Farm flooded the bare gravel areas that is the Little Ringed Plover's preferred habitat, while the ungrazed vegetation was too tall for the Lapwings, and made it impossible to see if anything was happening at ground level.



*Whinchat © Peter Craig 2025*

Hobbies probably breed nearby, and up to three birds including juveniles entertained observers as they hawked for dragonflies over West Fen in the autumn. Among the more common residents and summer visitors, Cetti's and Reed Warblers have good populations while Sedge Warbler is probably just a passage migrant now. Greenfinches seem to have recovered somewhat and along with Linnets are common sights in the scrub west of the car park, while Chaffinches are at a very low level, and Bullfinches have all but disappeared.



## Autumn Passage

Autumn wader passage comprised a Greenshank on Jul 22nd, and two singleton Black-tailed Godwits. Three Spotted Flycatchers was a good showing by modern standards, with two reports near the Sewage Treatment Works which has been a favoured location recently. A family group of Lesser Whitethroats on Aug 16th was a remarkable sight, and a couple of Whinchats were found on Manor Farm in August and September. There were a few gatherings of House Martins over West Fen, with 150 on Sep 27th the best.

## Rarities

Moor Green birders were treated to a number of rare species, species that occur less frequently than the regular passage migrants. In January, the first of three Yellow-legged Gulls was found, and three Avocets were on West Fen on Mar 10th. White Storks made single day appearances in March and June, and a Whooper Swan was on Finch Pool on Apr 28th. It has been



*Avocets © Peter Craig 2025*

realised that Honey-buzzards are breeding in southern England in higher numbers than previously thought, so a bird seen on Jul 13th (and beautifully photographed) may indicate a local population. Dartford Warblers occasionally visit after the breeding season on the nearby heaths, and the first of three this year was seen on Jul 8th, the other two in December. Two parties of Crossbills flew over in August, and Marsh Harriers featured well in August and September with a long-staying bird reported several times between Aug 19th and Sep 21st and two juveniles also seen in that period. An Osprey was seen fishing at the West Fen on four occasions between Sep 12th and 19th. Brent Goose is a rare visitor to Moor Green Lakes, and one was in the paddock behind Grove Lake on Nov 18th, and the year finished with a drake Ring-necked Duck on Colebrook Lake between Dec 10th and 12th.



*Honey Buzzard © Peter Craig 2025*

After an absence of eight years, Lesser Spotted Woodpecker has now been recorded in three successive years. In contrast to its well-documented national decline, these sightings offer hope that suitable habitat remains in our area to sustain and conserve this elusive species.



*Top Left: Osprey © Nic Beards 2025.*



*Top Right: Hobby © Trevor Baker 2025*

*Below: Whooper Swan © Andy Tomczynski 2025*





*Below: Barn Owl in flight © Katherine Loxton 2025*



## **Finally**

I would like to thank my fellow Moor Green birders for their observations and, so that we can continue to closely monitor the bird populations of the reserve and recording area, I would like to encourage everyone to submit their sightings in future - not just of the more unusual species, but also significant counts of commoner species and records of breeding activity for all species. See Appendix D - Guidelines on Bird Recording in this report for ways of submitting records.

## Chapter 4 - Bird Ringing Report

### *Bird Ringer: Colin Wilson*

In the Moor Green Lakes nature reserve catch numbers are remarkably consistent. This is partly because the nets are placed in largely the same places. Some changes are due to the management, maturing or emerging areas of scrub, often areas in which warblers breed. This could explain the slightly lower numbers of Garden Warblers.

2025 turned out a good year for Chiffchaffs – *Phylloscopus collybita* -, only 6 were juveniles. Robin – *Erithacus rubecula* - numbers increased but 24 of them were birds of the year, an outstanding breeding season. This shows the importance of timing, whether our sessions are after breeding or before, or in winter. We try to space them out to cover all seasons.

Goldcrest – *Regulus regulus* - numbers declined again, possibly due to timing. Although only one Firecrest – *Regulus ignicapilla* - was ringed, there are several regularly seen or heard on Finchampstead Ridges and they seem to be increasing everywhere. They like the conifers and stay high in the trees, so not easy to catch.

The dramatic rise in Lesser Redpoll – *Carduelis flammea* - partly reflects the big national increase last winter and our careful planning to catch them. Song Thrush – *Turdus philomelos* - was well represented but 11 of them were birds of the year suggesting a good breeding season.

What we describe as Moor Green Lakes West, an area North of the water at what was Manor Farm, has been developing as a ringing site. We ring here with permission from CEMEX. As we have got to know the location, we have changed where we site some of the nets. This has led to an increase in wetland birds such as Reed Warbler – *Acrocephalus scirpaceus* - Reed Bunting – *Emberiza schoeniclus* and Sedge Warbler – *Acrocephalus schoenobaenus*. Surprisingly no Cetti's Warbler – *Cettia cetti* - here yet!

Another change has allowed us to catch more Linnets – *Linaria cannabina* - that breed in the scrubby areas. Garden warbler – *Sylvia borin* - and Whitethroat – *Curruca curruca* - share this habitat.

Again, Lesser Redpoll featured in this special year for them.

An unproven suggestion is that our fledged and adult Blue Tit – *Cyanistes caeruleus* - and Great Tit – *Parus major* - numbers are impacted by timing of our visits and the success and proximity of nest boxes. Fledged families tend to stay together for a time before dispersing so being near newly successful nest boxes can help capture of more birds.

See Appendix A - Map 4 which shows the approximate bird ringing areas.

Key to the ringing count tables below

|   |                                   |
|---|-----------------------------------|
| R | Retrap (that is - already ringed) |
| N | New                               |
| T | Total                             |



## Ringing Counts - Moor Green Lakes

| Time frame               | 2018-2023 |      |      | 2024 |     |     | 2025 |     |     | 2018-2025 |
|--------------------------|-----------|------|------|------|-----|-----|------|-----|-----|-----------|
| Species                  | R         | N    | T    | R    | N   | T   | R    | N   | T   | 8yr Ave   |
| Blackbird                | 22        | 49   | 71   | 6    | 5   | 11  | 8    | 10  | 18  | 13        |
| Blackcap                 | 19        | 227  | 246  | 4    | 58  | 62  | 5    | 37  | 42  | 44        |
| Blue tit *               | 27        | 184  | 211  | 5    | 29  | 34  | 10   | 35  | 45  | 36        |
| Bullfinch                | 1         | 13   | 14   | 1    | 1   | 2   |      | 1   | 1   | 2         |
| Chaffinch                | 0         | 1    | 1    |      |     |     |      |     | 0   | 0         |
| Cetti's Warbler          | 0         | 0    | 0    | 0    | 3   | 3   |      | 1   | 1   | 1         |
| Chiffchaff               | 0         | 49   | 49   | 0    | 18  | 18  | 2    | 19  | 21  | 11        |
| Coal Tit                 | 0         | 3    | 3    |      |     |     |      |     | 0   | 0         |
| Dunnock                  | 70        | 65   | 135  | 9    | 19  | 28  | 14   | 11  | 25  | 24        |
| Firecrest                | 0         | 0    | 0    | 0    | 2   | 2   |      | 1   | 1   | 0         |
| Garden Warbler           | 9         | 64   | 73   | 2    | 16  | 18  | 1    | 15  | 16  | 13        |
| Goldcrest                | 9         | 76   | 85   | 3    | 3   | 6   | 2    | 6   | 8   | 12        |
| Goldfinch                | 0         | 18   | 18   | 0    | 10  | 10  |      | 3   | 3   | 4         |
| Greenfinch               | 2         | 87   | 89   | 2    | 6   | 8   |      | 3   | 3   | 13        |
| Green Woodpecker         | 0         | 1    | 1    |      |     |     |      |     | 0   | 0         |
| Great Spotted Woodpecker | 2         | 3    | 5    |      |     |     |      |     | 0   | 1         |
| Great tit *              | 50        | 272  | 322  | 7    | 18  | 25  | 7    | 16  | 23  | 46        |
| Jay                      | 0         | 6    | 6    |      |     |     |      | 3   | 3   | 1         |
| Kingfisher               | 0         | 1    | 1    |      |     |     |      | 1   | 1   | 0         |
| Lesser Redpoll           | 1         | 7    | 8    |      |     |     |      | 37  | 37  | 6         |
| Lesser Whitethroat       | 0         | 3    | 3    |      |     |     |      |     | 0   | 0         |
| Long-tailed Tit          | 36        | 66   | 102  | 3    | 16  | 19  | 9    | 9   | 18  | 17        |
| Nuthatch                 | 0         | 2    | 2    |      |     |     |      |     | 0   | 0         |
| Redwing                  | 1         | 11   | 12   | 0    | 1   | 1   |      | 5   | 5   | 2         |
| Reed Bunting             | 2         | 4    | 6    |      |     |     | 1    | 3   | 4   | 1         |
| Reed Warbler             | 0         | 13   | 13   | 0    | 3   | 3   | 1    | 5   | 6   | 3         |
| Robin                    | 43        | 88   | 131  | 8    | 15  | 23  | 13   | 21  | 34  | 24        |
| Sedge Warbler            | 0         | 2    | 2    |      |     |     |      | 1   | 1   | 0         |
| Siskin                   | 0         | 9    | 9    | 0    | 1   | 1   |      | 23  | 23  | 4         |
| Song Thrush              | 16        | 55   | 71   | 1    | 8   | 9   | 3    | 17  | 20  | 13        |
| Sparrowhawk              | 0         | 1    | 1    | 0    | 1   | 1   |      | 1   | 1   | 0         |
| Starling                 | 0         | 1    | 1    |      |     |     |      |     | 0   | 0         |
| Swallow                  | 0         | 3    | 3    |      |     |     |      | 1   | 1   | 1         |
| Teal                     | 0         | 1    | 1    |      |     |     |      |     | 0   | 0         |
| Treecreeper              | 0         | 1    | 1    | 0    | 3   | 3   | 1    | 2   | 3   | 1         |
| Whitethroat              | 28        | 113  | 141  | 7    | 11  | 18  | 6    | 16  | 22  | 23        |
| Willow Warbler           | 1         | 3    | 4    |      |     |     |      |     | 0   | 1         |
| Woodpigeon               | 0         | 2    | 2    | 0    | 1   | 1   |      |     | 0   | 0         |
| Wren                     | 22        | 82   | 104  | 3    | 18  | 21  | 7    | 17  | 24  | 19        |
| Totals                   | 361       | 1586 | 1947 | 61   | 266 | 327 | 90   | 320 | 410 | 336       |

## Ringing Counts - Manor Farm North

| Time frame          | 2023 |     |     | 2024 |     |     | 2025 |     |     | 2023-2025 |
|---------------------|------|-----|-----|------|-----|-----|------|-----|-----|-----------|
| Species             | R    | N   | T   | R    | N   | T   | R    | N   | T   | 8yr Ave   |
| Blackbird           | 5    | 25  | 30  | 9    | 9   | 18  | 6    | 8   | 14  | 21        |
| Blackcap            | 1    | 28  | 29  | 1    | 28  | 29  | 1    | 20  | 21  | 26        |
| Blue Tit            | 6    | 65  | 71  | 17   | 50  | 67  | 13   | 11  | 24  | 54        |
| Bullfinch           | 1    | 3   | 4   |      | 1   | 1   |      |     | 0   | 2         |
| Chaffinch           |      | 1   | 1   |      |     |     |      |     | 0   | 0         |
| Chiffchaff          | 1    | 40  | 41  | 3    | 27  | 30  | 3    | 18  | 21  | 31        |
| Dunnock             | 1    | 9   | 10  | 5    | 7   | 12  | 11   | 9   | 20  | 14        |
| Firecrest           |      | 1   | 1   |      | 1   | 1   |      | 1   | 1   | 1         |
| Garden Warbler      | 1    | 8   | 9   |      | 4   | 4   |      | 10  | 10  | 8         |
| Goldcrest           | 2    | 18  | 20  | 1    | 7   | 8   |      | 4   | 4   | 11        |
| Goldfinch           |      | 2   | 2   |      | 1   | 1   |      |     | 0   | 1         |
| Grasshopper Warbler |      | 2   | 2   |      |     |     |      |     | 0   | 1         |
| Great Tit           | 5    | 9   | 14  | 2    | 18  | 20  | 6    | 17  | 23  | 19        |
| Green Woodpecker    |      | 1   | 1   |      |     |     |      |     | 0   | 0         |
| Greenfinch          |      | 2   | 2   |      | 3   | 3   |      | 1   | 1   | 2         |
| Hobby               |      | 1   | 1   |      |     |     |      |     | 0   | 0         |
| Jay                 |      |     |     |      | 1   | 1   |      | 1   | 1   | 1         |
| Kestrel             |      |     |     |      | 1   | 1   |      |     | 0   | 0         |
| Linnet              |      | 2   | 2   |      | 3   | 3   |      | 10  | 10  | 5         |
| Long-tailed Tit     | 4    | 17  | 21  | 8    | 10  | 18  | 10   | 9   | 19  | 19        |
| Nuthatch            |      | 2   | 2   |      |     |     |      |     | 0   | 1         |
| Redpoll             |      | 4   | 4   |      | 17  | 17  |      | 60  | 60  | 27        |
| Redwing             |      | 9   | 9   |      | 12  | 12  |      | 6   | 6   | 9         |
| Reed Bunting        |      |     |     |      |     |     |      | 4   | 4   | 1         |
| Reed Warbler        |      | 1   | 1   |      |     |     | 2    | 11  | 13  | 5         |
| Robin               | 6    | 20  | 26  | 6    | 18  | 24  | 5    | 13  | 18  | 23        |
| Sedge Warbler       |      | 1   | 1   |      | 3   | 3   |      | 9   | 9   | 4         |
| Siskin              |      | 8   | 8   |      | 3   | 3   |      | 1   | 1   | 4         |
| Song Thrush         |      | 7   | 7   | 1    | 5   | 6   | 1    | 2   | 3   | 5         |
| Treecreeper         |      |     |     |      | 1   | 1   |      | 1   | 1   | 1         |
| Whitethroat         | 1    | 27  | 28  | 2    | 32  | 34  | 6    | 26  | 32  | 31        |
| Willow Warbler      |      | 2   | 2   |      | 1   | 1   |      | 2   | 2   | 2         |
| Wren                |      | 9   | 9   | 2    | 16  | 18  | 5    | 11  | 16  | 14        |
| <i>Totals</i>       | 34   | 324 | 358 | 57   | 279 | 336 | 69   | 265 | 334 | 343       |



## Ringing Counts Summary - Moor Green Lakes

| Time frame             | 2023 | 2024 | 2025 |
|------------------------|------|------|------|
| Ringed in nestbox      | 471  | 76   | 84   |
| Number of sessions     | 55   | 8    | 10   |
| Average mist net catch | 35   | 41   | 41   |

## Ringing Counts Summary - Manor Farm

| Time frame             | 2023 | 2024 | 2025 |
|------------------------|------|------|------|
| Number of sessions     | 7    | 10   | 6    |
| Average mist net catch | 51   | 34   | 56   |

**Notes**

\* Numbers include those ringed as nestlings in 2018 and 2019, now covered by nestbox report.

Lesser Redpoll - *Acanthis cabaret* and Common Redpoll - *Acanthis flammea* have been reclassified as one species Redpoll - *Acanthis flammea*. Now just the reclassified Redpoll is used.

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## Chapter 5 - Nest Box Recording Report

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*Nest Box Recorder: Mary Thompson*

### Introduction

We now have 34 small nest boxes all around the site. They have now been monitored for over 10 years, and they are mainly used by Blue Tits and Great Tits. Some boxes always seem to do well but the type of box whether it is wooden or Woodcrete seems to make little difference to the success rates.

### Method

In January I go around and just clear the boxes and do any repairs so that they are ready for the new season. I then start the routine checks at the beginning of April, normally checking them every 7-14 days. At the first visit this year all but 2 of the boxes had the start of some nest building and two already had Great Tits nests with eggs. At each visit the number of eggs and pulli are recorded with as little disturbance as possible. If the pulli are between 9-12 days old, when I do the visit, they will be ringed as per the BTO (British Trust for Ornithology) guidelines.



*Nestbox with eggs © Mary Thompson 2025*

### Results

This year unusually we have had equal numbers of Great Tits and Blue Tits using the boxes. Previously we have always had more Great Tits. The Blue Tits have done well with 14 out of the 16 boxes they used having successful fledging.



## Nest Box Occupation

| Year                            | 2022 | 2023 | 2024 | 2025 |
|---------------------------------|------|------|------|------|
| <b>Unoccupied boxes</b>         | 2    | 5    | 2    | 2    |
| <b>Great Tit occupied boxes</b> | 19   | 19   | 19   | 16   |
| <b>Blue Tit occupied boxes</b>  | 13   | 10   | 13   | 16   |
| <i>Total boxes</i>              | 34   | 34   | 34   | 34   |

**Great Tits**

Average clutch size was nine eggs but with only 77% of the eggs hatching. Three of the boxes were either predated or abandoned. But 91% of those that did hatch this year successfully fledged which is an improvement on last year which was only 81%.

## Great Tits Nest Box Results

| Year                                                | 2022 | 2023 | 2024 | 2025 |
|-----------------------------------------------------|------|------|------|------|
| <b>Successful boxes (number with fledged young)</b> | 14   | 19   | 14   | 13   |
| <b>Unsuccessful Boxes</b>                           | 3    | 1    | 5    | 3    |
| <b>Eggs laid</b>                                    | 95   | 137  | 158  | 124  |
| <b>Total eggs hatched</b>                           | 77   | 121  | 126  | 104  |
| <b>Total young fledged</b>                          | 73   | 116  | 102  | 95   |
| <i>Total Ringed</i>                                 | 41   | 55   | 52   | 12   |



*Great Tits in nest box © Mary Thompson 2025*

## Blue Tits

Had a much better year with an average clutch size of ten eggs. 92% of these eggs hatched and 100% of the eggs that did hatch successfully fledged. Unfortunately, one of the nest boxes was knocked to the ground, possibly by the bull as it was a little too low on the tree. It has now been placed higher.

### Blue Tits Nest Box Results

| Year                                                | 2022 | 2023 | 2024 | 2025 |
|-----------------------------------------------------|------|------|------|------|
| <b>Successful boxes (number with fledged young)</b> | 11   | 10   | 10   | 14   |
| <b>Unsuccessful boxes</b>                           | 2    | 0    | 3    | 2    |
| <b>Eggs laid</b>                                    | 69   | 84   | 113  | 139  |
| <b>Total eggs hatched</b>                           | 49   | 76   | 86   | 128  |
| <b>Total young fledged</b>                          | 49   | 75   | 79   | 128  |
| <i>Total Ringed</i>                                 | 53   | 11   | 23   | 72   |

## Summary

2025 has been a good year with 94% of the small nest boxes being used and 84% of those that were used being successful. Thanks again to my trainer Colin Wilson for supporting and enabling me to ring 84 of the pulli. The nest records have all been recorded on the Nest Record Scheme with the BTO.

### Overall Total Results

| Total                                               | 2022 | 2023 | 2024 | 2025 |
|-----------------------------------------------------|------|------|------|------|
| <b>Successful boxes (number with fledged young)</b> | 25   | 29   | 24   | 27   |
| <b>Unsuccessful Boxes</b>                           | 5    | 1    | 8    | 5    |
| <b>Eggs laid</b>                                    | 164  | 221  | 271  | 263  |
| <b>Total eggs hatched</b>                           | 126  | 197  | 212  | 232  |
| <b>Total young fledged</b>                          | 122  | 191  | 181  | 223  |
| <i>Total Ringed</i>                                 | 94   | 66   | 75   | 84   |



*Great Tit caught for ringing © Mary Thompson 2025*

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## Chapter 6 - Butterfly Report

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*Butterfly recorder: Paul Richards*

### Introduction - Transect recording

The transect walk involves recording the butterflies we see (within 2.5 metres) of a route from the car park on Lower Sandhurst Road, through the meadows and scrub of the western and northern shores of Colebrook North Lake, through the grass, rushes and coppiced shrubs between Colebrook and Grove Lakes and along the Blackwater River to Horseshoe Lake and then returning to the car park along the riverside, tree-lined path along Grove Lake. This route provides a variety of habitats and covers a large portion of the reserve and different habitats.

Records are only made under weather conditions and times of day more favourable for observing butterflies (conditions set out in the UK Butterfly Monitoring Scheme; UKBMS) which is mostly concerned with it being too cold, windy or overcast.

Spring was dry in 2025. In March we only had 15% of the average rainfall as well as 12 air frosts which is unusually high. Recording starts in April which in 2025 was unusually dry and the start of a long dry spell from the 23rd of April to the 10th of May. In May the dry weather continued with mild temperatures (16-19°C). June was very dry and July was the warmest month with a peak of 33°C. August and September were also warm and dry. 2025 was one of the driest in 20 years. Sunshine was 17% above average and the third sunniest year on record and it was the second warmest year since 1908

### Observations

#### **Small Skipper/Essex Skipper** - *Thymelicus sylvestris*/*Thymelicus lineola*

Small and Essex skippers are grouped together as the easiest way to tell them apart is by examination of the underside of the antennae. Essex Skippers also emerge slightly later than Small Skipper. The large number of active skippers we now observe means this is not feasible. They have a fondness for purple flowers and are often seen on knapweed.

There has been an encouraging trend of increasing numbers over the last few years. A total of 76 were recorded on the 9th of July 2023 which was the highest recorded. Unfortunately recordings could not be made during the peak flight of early to mid-July in 2025. The peak number observed was 16 on the 22nd of June with 15 on the 29th of June. This number is higher than comparable weeks in 2024 so they could have emerged earlier and in high numbers during early July.

#### **Large Skipper** - *Ochlodes venatus*

Large skippers have been declining over the last decade at Moor Green Lakes, possibly as result of warmer drier summers. In fact, in 2024 none were observed. They are more a species of woodland rides and clearings so maybe a survey of other sites around Moor Green will discover new colonies, especially cooler areas with mature trees. In 2025 three were seen on the 15th of June showing the species is still present here. The species hibernates as a caterpillar in a cocoon made from long grasses and silk. It is important to leave areas of uncut grass to encourage this butterfly.





Left: Large Skipper. Right: Green-veined White © Paul Richards 2025

### **Brimstone - *Gonepteryx rhamni***

Brimstone numbers were essentially the same as 2024 with maximal counts of sixty seen in April/May. None were seen in the summer and none in the autumn. Feeding on buckthorn the larvae are less susceptible to dry conditions than those species which feed on grasses and herbaceous plant. However, they are quite susceptible to predation by warblers. The adults are long-lived, emerging after hibernating and continuing until June/July.

### **Large White - *Pieris brassicae***

A few were seen during the summer from June to August but no more than four on any given transect. This year we only saw a total of five with a maximum count of just two. Last year only one was observed. Around Moor Green most of the large white we see are probably migrants. They are more common in gardens and agricultural areas where they feed on brassica.

### **Small White - *Pieris rapae***

A few Small White were seen over the summer but not in any number. Again, this can be a species boosted by migrants.

### **Green-veined White - *Pieris napi***

The larvae of Green-Veined White feed on watercress, cuckooflower, garlic mustard and hedge mustard which are found in cooler damper locations. There are two broods for Green-Veined White, a spring and summer one. It was noticeable that the second brood was significantly larger than the spring emergence. We saw a maximum of 24 butterflies on the 22nd of June and a total of 100 which was the best years on record despite the warm dry conditions.

**Orange Tip - *Anthocharis cardamines***

May is the main flight period for this butterfly, but it can emerge as early as March. Over the past few years at Moor Green Lakes, we see most emerging in April, reflecting the warmer, earlier springs. In 2025, despite the warm conditions, orange tip numbers peaked in May with 12 observed on the 11th. Numbers often depend on the weather when the eggs were laid the previous year although good numbers of food plant are required for their long-term survival. So, the hot dry springs and summers of recent years have affected Orange Tip numbers.

**Green Hairstreak - *Callophrys rubi***

Four Green Hairstreak were observed in early May on two separate occasions. This species is mostly associated with scrubby hillside and heathland. Colonies can vanish as land becomes overgrown, so the management of Moor Green is critical for its survival.

**Small Copper - *Lycaena phlaeas***

No Small Copper were observed in the spring. Later in the year we saw more Small Copper with a maximum of nine individuals at the end of August. A total of 20 observations were made during August and September. The Small Copper thrives in hot, sunny conditions so recent summers have been good for the species. It can produce up to four broods a year; from April to November.



Left: Green Hairstreak. Right: Small Copper © Paul Richards 2025

**Common Blue - *Polyommatus icarus***

The main brood is May-June, and we tend to see most butterflies around that time on site. In 2025 we observed butterflies through May with 7 seen on the 18th of May. Warm moist spring and summers leads to high numbers the following year. Populations plummet during a hot dry summer. The cooler wetter summer of 2023 may have boosted numbers. Common Blue were also seen in ones and twos through August/September.



**Brown Argus** - *Aricia agestis*

Only one Brown Argus was seen September. In recent years low numbers have been seen on site showing it is slowly becoming established here. Warmer summers have led to an expansion of this butterfly where it feeds on cranesbill in a variety of habitats. Historically it was more associated with rockrose growing on south-facing slopes.

**Holly Blue** - *Celastrina argiolus*

One Holly Blue was observed in September. This butterfly requires the presence of both holly and ivy bushes and is commonly found in gardens. The spring brood lays eggs on the flower buds of holly. The summer brood mainly lays eggs on the buds of ivy.

**Red Admiral** - *Vanessa atalanta*

A few Red Admiral were observed over the summer months but not in any number. The maximal count was only three.

**Small Tortoiseshell** - *Aglais urticae*

Again, Tortoiseshell numbers were low with one seen on the 5th of April and one on the 27th of April. Very few of these butterflies are seen now possibly caused by the larvae from a parasitic fly (*Sturmia bella*) that has recently colonised Britain.

**Peacock** - *Aglais io*

From the large numbers of Peacock observed in 2023 the numbers dropped in 2024 and in 2025 with only the odd butterfly or two seen during the summer. The food plant for this butterfly is the nettle.

**Comma** - *Polygonia c-album*

The Comma was absent in the spring at Moor Green but a little burst of numbers at the end of August to early September with high number of nine observed on the 31st of August.



Comma © Paul Richards 2025

**Speckled Wood** - *Pararge aegeria*

The Speckled Wood likes warm springs and autumn. It will inhabit shady woodland that butterflies normally avoid. Numbers were low with a maximal count of just 12 seen on the 31st of May. Speckled Wood can overwinter as a caterpillar or chrysalis meaning it can have two or three overlapping broods through the year.



**Marbled White** - *Melanargia galathea*

The Marbled White has seen a dramatic increase in numbers over the last twenty years including the appearance of new colonies at Moor Green over this period.

We saw a record maximal count of 33 Marbled White in 2022. The drought in 2018 caused a dramatic drop of numbers in 2019, however numbers bounced back in 2020. In 2025 we saw a maximal count of 14 on the 22nd of June.

**Gatekeeper** - *Pyronia tithonus*

The drought of 2018 caused a decline in Gatekeeper number along with many other butterflies. However, we saw a dramatic resurgence of the Gatekeeper in 2023. A maximal count of 85, the highest number since 2011. In 2024 numbers were also high with a maximal count of 61. In 2025 numbers exploded with a maximal count of 101 observed on the 27th of July and a total number of observations 239 for the year.

**Meadow Brown** - *Maniola jurtina*

A maximum count of 93 seen at the end of June, numbers of Meadow Brown continued the trend of high numbers seen in recent years. Numbers peaked in 2017 with maximal count of 160 but have remained high ever since. The extensive meadows around Colebrook Lake provide an excellent environment for this butterfly and they seem to be mostly unaffected by the hotter drier summers.

**Ringlet** - *Aphantopus hyperantus*

Only nine Ringlet were seen in 2023. This butterfly normally prefers damper, shady woodland edges and rides where long grasses have been allowed to develop. Oddly, at Moor Green, we see them mostly in the open meadows around Colebrook. This sub-optimal environment probably makes them more susceptible to hot or dry summers. They also seem dependent on the previous summer's weather. So, despite a more favourable climate in 2024 the low numbers were most likely a hangover from the trend of hot dry years.



Left: Marbled White. Right: Meadow Brown © Paul Richards 2025

## Summary of Maximal Counts in 2024 and 2025

| Species                                             | 2024 | 2025 |
|-----------------------------------------------------|------|------|
| <b>Hesperiidae - Skipper</b>                        |      |      |
| <b>Small Skipper</b> - <i>Thymelicus sylvestris</i> | 55   | 16   |
| <b>Large Skipper</b> - <i>Ochlodes venatus</i>      | 0    | 3    |
| <b>Pieridae - Orange-Tips</b>                       |      |      |
| <b>Brimstone</b> - <i>Gonepteryx rhamni</i>         | 6    | 6    |
| <b>Large White</b> - <i>Pieris brassicae</i>        | 2    | 4    |
| <b>Small White</b> - <i>Pieris rapae</i>            | 1    | 5    |
| <b>Green-veined White</b> - <i>Pieris napi</i>      | 16   | 24   |
| <b>Orange Tip</b> - <i>Anthocharis cardamines</i>   | 12   | 6    |
| <b>Lycaenidae - Blues</b>                           |      |      |
| <b>Green Hairstreak</b> - <i>Callophrys rubi</i>    | 1    | 4    |
| <b>Purple Hairstreak</b> - <i>Quercusia quercus</i> | 0    | 0    |
| <b>Small Copper</b> - <i>Lycaena phlaeas</i>        | 0    | 9    |
| <b>Brown Argus</b> - <i>Aricia agestis</i>          | 1    | 2    |
| <b>Common Blue</b> - <i>Polyommatus icarus</i>      | 1    | 2    |
| <b>Holly Blue</b> - <i>Celastrina argiolus</i>      | 0    | 1    |
| <b>Nymphalidae - Red Admirals</b>                   |      |      |
| <b>Red Admiral</b> - <i>Vanessa atalanta</i>        | 3    | 3    |
| <b>Painted Lady</b> - <i>Vanessa cardui</i>         | 0    | 1    |
| <b>Small Tortoiseshell</b> - <i>Aglais urticae</i>  | 5    | 1    |
| <b>Peacock</b> - <i>Aglais io</i>                   | 9    | 2    |
| <b>Comma</b> - <i>Polygonia c-album</i>             | 0    | 5    |
| <b>Speckled Wood</b> - <i>Pararge aegeria</i>       | 18   | 12   |
| <b>Marbled White</b> - <i>Melanargia galathea</i>   | 3    | 14   |
| <b>Gatekeeper</b> - <i>Pyronia tithonus</i>         | 61   | 101  |
| <b>Meadow Brown</b> - <i>Maniola jurtina</i>        | 88   | 93   |
| <b>Ringlet</b> - <i>Aphantopus hyperantus</i>       | 23   | 3    |

## Chapter 7 - Botanical Report

### *Plant recorders: Steve Arnold and Jane Heritage*

Four plants surveys were carried out between April and July, including an extra survey of grasses in the bird feeding area. For our standard surveys we were joined by our mentor Peter Scott. A combination of the drought and personal circumstances cut our survey season short.

Generally, we focus on wildflowers, and 2025 was not a good year. With the extremely dry spring and early summer, the area to the North of Colebrook Lake was drought stressed and did not put on a good show. Added to the drought, the grazing cows were on the reserve a lot longer than intended exacerbating the reduced showing (we had a close encounter with the Dexter Bull in May).

It was good to see an area of Cowslip – *Primula veris* – in May. The coverage seemed larger than the year before.

In June we also did a foray of perhaps 400 metres further West of the Bailey bridge along the new path on the Southern side of Manor Farm. It was not an extensive survey as it is outside the purview of Moor Green Lakes reserve (hopefully this will change in the future). There were a lot of Weld – *Reseda luteola* present. As Manor Farm has had infill brought in as part of the restoration, some of the plants encountered may have been originally been in gardens, such as Gallingale - *Cyperus eragrostis*. It will be interesting to see how the site changes over the next few years, if left without intervention.



Left: Cowslip. Right: Greater Stitchwort © Steve Arnold 2025



## Plants observed on Moor Green Lakes 2025

| Family                                 | Species                                                               |
|----------------------------------------|-----------------------------------------------------------------------|
| <b>Apiaceae - Carrot</b>               |                                                                       |
|                                        | <b>Cow Parsley</b> - <i>Anthriscus sylvestris</i>                     |
|                                        | <b>Wild Carrot</b> - <i>Daucus carota</i>                             |
|                                        | <b>Hemlock Water-dropwort</b> - <i>Oenanthe crocata</i>               |
|                                        | <b>Upright Hedge-parsley</b> - <i>Torilis japonica</i>                |
| <b>Aquifoliaceae - Holly</b>           |                                                                       |
|                                        | <b>Holly</b> - <i>Ilex aquifolium</i>                                 |
| <b>Araceae - Arum</b>                  |                                                                       |
|                                        | <b>Lords-and-Ladies</b> or <b>Cuckoo Pint</b> - <i>Arum maculatum</i> |
| <b>Asparagaceae - Agave and Allies</b> |                                                                       |
|                                        | <b>Bluebell</b> - <i>Hyacinthoides non-scripta</i>                    |
| <b>Asteraceae - Daisy</b>              |                                                                       |
|                                        | <b>Yarrow</b> - <i>Achillea millefolium</i>                           |
|                                        | <b>Lesser Burdock</b> - <i>Arctium minus</i>                          |
|                                        | <b>Common Knapweed</b> - <i>Centaurea nigra</i>                       |
|                                        | <b>Creeping Thistle</b> - <i>Cirsium arvense</i>                      |
|                                        | <b>Spear Thistle</b> - <i>Cirsium vulgare</i>                         |
|                                        | <b>Smooth Hawk's-beard</b> - <i>Crepis capillaris</i>                 |
|                                        | <b>Cat's ear</b> - <i>Hypochaeris radicata</i>                        |
|                                        | <b>Common Ragwort</b> - <i>Jacobaea vulgaris</i>                      |
|                                        | <b>Nipplewort</b> - <i>Lapsana communis</i>                           |
|                                        | <b>Lesser Hawkbit</b> - <i>Leontodon saxatilis</i>                    |
|                                        | <b>Oxeye Daisy</b> - <i>Leucanthemum vulgare</i>                      |
|                                        | <b>Common Fleabane</b> - <i>Pulicaria dysenterica</i>                 |
|                                        | <b>Dandelion</b> - <i>Taraxacum spp</i>                               |
|                                        | <b>Goat's-beard</b> - <i>Tragopogon pratensis</i>                     |
| <b>Balsaminaceae - Balsam</b>          |                                                                       |
|                                        | <b>Orange Balsam</b> - <i>Impatiens capensis</i>                      |
| <b>Betulaceae - Birch</b>              |                                                                       |
|                                        | <b>Alder</b> - <i>Alnus glutinosa</i>                                 |
|                                        | <b>Silver Birch</b> - <i>Betula pendula</i>                           |
|                                        | <b>Hazel</b> - <i>Corylus avellana</i>                                |
| <b>Boraginaceae - Borrage</b>          |                                                                       |
|                                        | <b>Changing Forget-me-not</b> - <i>Myosotis discolor</i>              |
| <b>Brassicaceae - Cabbage</b>          |                                                                       |
|                                        | <b>Garlic Mustard</b> - <i>Alliaria petiolata</i>                     |
|                                        | <b>Hairy Bitter-cress</b> - <i>Cardamine hirsuta</i>                  |
| <b>Cannabaceae - Hemp</b>              |                                                                       |
|                                        | <b>Hop</b> - <i>Humulus lupulus</i>                                   |
| <b>Caprifoliaceae - Honeysuckle</b>    |                                                                       |
|                                        | <b>Field Scabious</b> - <i>Knautia arvensis</i>                       |

| Family                               | Species                                                         |
|--------------------------------------|-----------------------------------------------------------------|
| <b>Caryophyllaceae - Campion</b>     |                                                                 |
|                                      | <b>Ragged-robin</b> - <i>Silene flos-cuculi</i>                 |
|                                      | <b>Bladder Campion</b> - <i>Silene vulgaris</i>                 |
|                                      | <b>Lesser Stitchwort</b> - <i>Stellaria graminea</i>            |
|                                      | <b>Greater Stitchwort</b> - <i>Stellaria holostea</i>           |
| <b>Cucurbitaceae - Gourd</b>         |                                                                 |
|                                      | <b>White Bryony</b> - <i>Bryonia dioica</i>                     |
| <b>Cyperaceae - Sedge</b>            |                                                                 |
|                                      | <b>Wood Club-rush</b> - <i>Scirpus sylvaticus</i>               |
| <b>Dennstaedtiaceae - Bracken</b>    |                                                                 |
|                                      | <b>Bracken</b> - <i>Pteridium aquilinum</i>                     |
| <b>Fabaceae - Pea</b>                |                                                                 |
|                                      | <b>Broom</b> - <i>Cytisus scoparius</i>                         |
|                                      | <b>Meadow Vetchling</b> - <i>Lathyrus pratensis</i>             |
|                                      | <b>Common Bird's-foot-trefoil</b> - <i>Lotus corniculatus</i>   |
|                                      | <b>Red Clover</b> - <i>Trifolium pratense</i>                   |
|                                      | <b>White Clover</b> - <i>Trifolium repens</i>                   |
|                                      | <b>Gorse</b> - <i>Ulex europaeus</i>                            |
| <b>Geraniaceae - Geranium</b>        |                                                                 |
|                                      | <b>Meadow Crane's-bill</b> - <i>Geranium pratense</i>           |
| <b>Hypericaceae - St John's Wort</b> |                                                                 |
|                                      | <b>Perforate St John's-wort</b> - <i>Hypericum perforatum</i>   |
| <b>Iridaceae - Iris</b>              |                                                                 |
|                                      | <b>Yellow Iris</b> - <i>Iris pseudacorus</i>                    |
| <b>Juncaceae - Rush</b>              |                                                                 |
|                                      | <b>Soft-rush</b> - <i>Juncus effusus</i>                        |
| <b>Lamiaceae - Dead Nettle</b>       |                                                                 |
|                                      | <b>Bugle</b> - <i>Ajuga reptans</i>                             |
|                                      | <b>Betony</b> - <i>Betonica officinalis</i>                     |
|                                      | <b>Ground-ivy</b> - <i>Glechoma hederacea</i>                   |
|                                      | <b>Gipsywort</b> or <b>Gypsywort</b> - <i>Lycopus europaeus</i> |
|                                      | <b>Water Mint</b> - <i>Mentha aquatica</i>                      |
|                                      | <b>Selfheal</b> - <i>Prunella vulgaris</i>                      |
|                                      | <b>Skullcap</b> - <i>Scutellaria galericulata</i>               |
| <b>Lythraceae - Loose Strife</b>     |                                                                 |
|                                      | <b>Purple-loosestrife</b> - <i>Lythrum salicaria</i>            |
| <b>Oleaceae - Olive</b>              |                                                                 |
|                                      | <b>Ash</b> - <i>Fraxinus excelsior</i>                          |
| <b>Onagraceae - Willowherb</b>       |                                                                 |
|                                      | <b>Marsh Willowherb</b> - <i>Epilobium palustre</i>             |
| <b>Papaveraceae - Poppy</b>          |                                                                 |
|                                      | <b>Climbing Corydalis</b> - <i>Ceratocarpus claviculata</i>     |

| Family                                             | Species                                                      |
|----------------------------------------------------|--------------------------------------------------------------|
| <b>Plantaginaceae - Plantain</b>                   |                                                              |
|                                                    | <b>Foxglove</b> - <i>Digitalis purpurea</i>                  |
|                                                    | <b>Ribwort Plantain</b> - <i>Plantago lanceolata</i>         |
|                                                    | <b>Germander Speedwell</b> - <i>Veronica chamaedrys</i>      |
| <b>Poaceae - Grass</b>                             |                                                              |
|                                                    | <b>False Oat-grass</b> - <i>Arrhenatherum elatius</i>        |
|                                                    | <b>Cock's-foot Grass</b> - <i>Dactylis glomerata</i>         |
|                                                    | <b>Yorkshire-fog</b> - <i>Holcus lanatus</i>                 |
|                                                    | <b>Perennial Rye-grass</b> - <i>Lolium perenne</i>           |
|                                                    | <b>Smooth Meadow-grass</b> - <i>Poa pratensis</i>            |
| <b>Polygonaceae - Knotweeds, Sorrels and Docks</b> |                                                              |
|                                                    | <b>Water-pepper</b> - <i>Persicaria hydropiper</i>           |
|                                                    | <b>Common Sorrel</b> - <i>Rumex acetosa</i>                  |
|                                                    | <b>Curled Dock</b> - <i>Rumex crispus</i>                    |
|                                                    | <b>Broad-leaved Dock</b> - <i>Rumex obtusifolius</i>         |
|                                                    | <b>Wood Dock</b> - <i>Rumex sanguineus</i>                   |
| <b>Primulaceae - Primrose</b>                      |                                                              |
|                                                    | <b>Yellow Loosestrife</b> - <i>Lysimachia vulgaris</i>       |
|                                                    | <b>Cowslip</b> - <i>Primula veris</i>                        |
| <b>Ranunculaceae - Buttercup</b>                   |                                                              |
|                                                    | <b>Meadow Buttercup</b> - <i>Ranunculus acris</i>            |
|                                                    | <b>Creeping Buttercup</b> - <i>Ranunculus repens</i>         |
| <b>Rosacea - Rose</b>                              |                                                              |
|                                                    | <b>Agrimony</b> - <i>Agrimonia eupatoria</i>                 |
|                                                    | <b>Hawthorn</b> - <i>Crataegus monogyna</i>                  |
|                                                    | <b>Meadowsweet</b> - <i>Filipendula ulmaria</i>              |
|                                                    | <b>Apple</b> - <i>Malus pumila</i>                           |
|                                                    | <b>Blackthorn</b> - <i>Prunus spinosa</i>                    |
|                                                    | <b>Bramble</b> - <i>Rubus fruticosus</i>                     |
| <b>Rubiaceae - Bedstraw</b>                        |                                                              |
|                                                    | <b>Cleavers</b> or <b>Goosegrass</b> - <i>Galium aparine</i> |
|                                                    | <b>Lady's Bedstraw</b> - <i>Galium verum</i>                 |
| <b>Scrophulariaceae - Figwort</b>                  |                                                              |
|                                                    | <b>Common Figwort</b> - <i>Scrophularia nodosa</i>           |
| <b>Typhaceae - Bulrush</b>                         |                                                              |
|                                                    | <b>Bulrush</b> or <b>Reedmace</b> - <i>Typha latifolia</i>   |
| <b>Urticaceae - Nettle</b>                         |                                                              |
|                                                    | <b>Stinging Nettle</b> - <i>Urtica dioica</i>                |

Number of families 35

Number of genera 77

Number of species 86



## Plants observed on Manor Farm 2025

The plants below were seen on the short foray along the Southern path on Manor Farm. It excludes plants that have been seen on Moor Green Lakes reserve. This does not imply that these plants are not on Moor Green Lakes, just they were not specifically recorded.

| Family                              | Species                                                                         |
|-------------------------------------|---------------------------------------------------------------------------------|
| <b>Asteraceae - Daisy</b>           |                                                                                 |
|                                     | <b>Prickly Sow-thistle</b> - <i>Sonchus asper</i>                               |
|                                     | <b>Colt's-foot</b> - <i>Tussilago farfara</i>                                   |
| <b>Balsaminaceae - Balsam</b>       |                                                                                 |
|                                     | <b>Indian Balsam</b> or <b>Himalayan Balsam</b> - <i>Impatiens glandulifera</i> |
| <b>Caprifoliaceae - Honeysuckle</b> |                                                                                 |
|                                     | <b>Wild Teasel</b> - <i>Dipsacus fullonum</i>                                   |
| <b>Cyperaceae - Sedge</b>           |                                                                                 |
|                                     | <b>Pale Galingale</b> - <i>Cyperus eragrostis</i>                               |
| <b>Equisetaceae - Horsetail</b>     |                                                                                 |
|                                     | <b>Field Horsetail</b> - <i>Equisetum arvense</i>                               |
| <b>Fabaceae - Pea</b>               |                                                                                 |
|                                     | <b>Goat's-rue</b> - <i>Galega officinalis</i>                                   |
|                                     | <b>White Melilot</b> - <i>Melilotus albus</i>                                   |
|                                     | <b>Tall Melilot</b> - <i>Melilotus altissimus</i>                               |
|                                     | <b>Hare's-foot Clover</b> - <i>Trifolium arvense</i>                            |
|                                     | <b>Lesser Trefoil</b> - <i>Trifolium dubium</i>                                 |
|                                     | <b>Tufted Vetch</b> - <i>Vicia cracca</i>                                       |
| <b>Gentianaceae - Gentian</b>       |                                                                                 |
|                                     | <b>Common Centaury</b> - <i>Centaurium erythraea</i>                            |
| <b>Geraniaceae - Geranium</b>       |                                                                                 |
|                                     | <b>Cut-leaved Crane's-bill</b> - <i>Geranium dissectum</i>                      |
| <b>Poaceae - Grass</b>              |                                                                                 |
|                                     | <b>Common Reed</b> - <i>Phragmites australis</i>                                |
| <b>Resedaceae - Mignonette</b>      |                                                                                 |
|                                     | <b>Weld</b> - <i>Reseda lutea</i>                                               |

Number of families 10

Number of genera 14

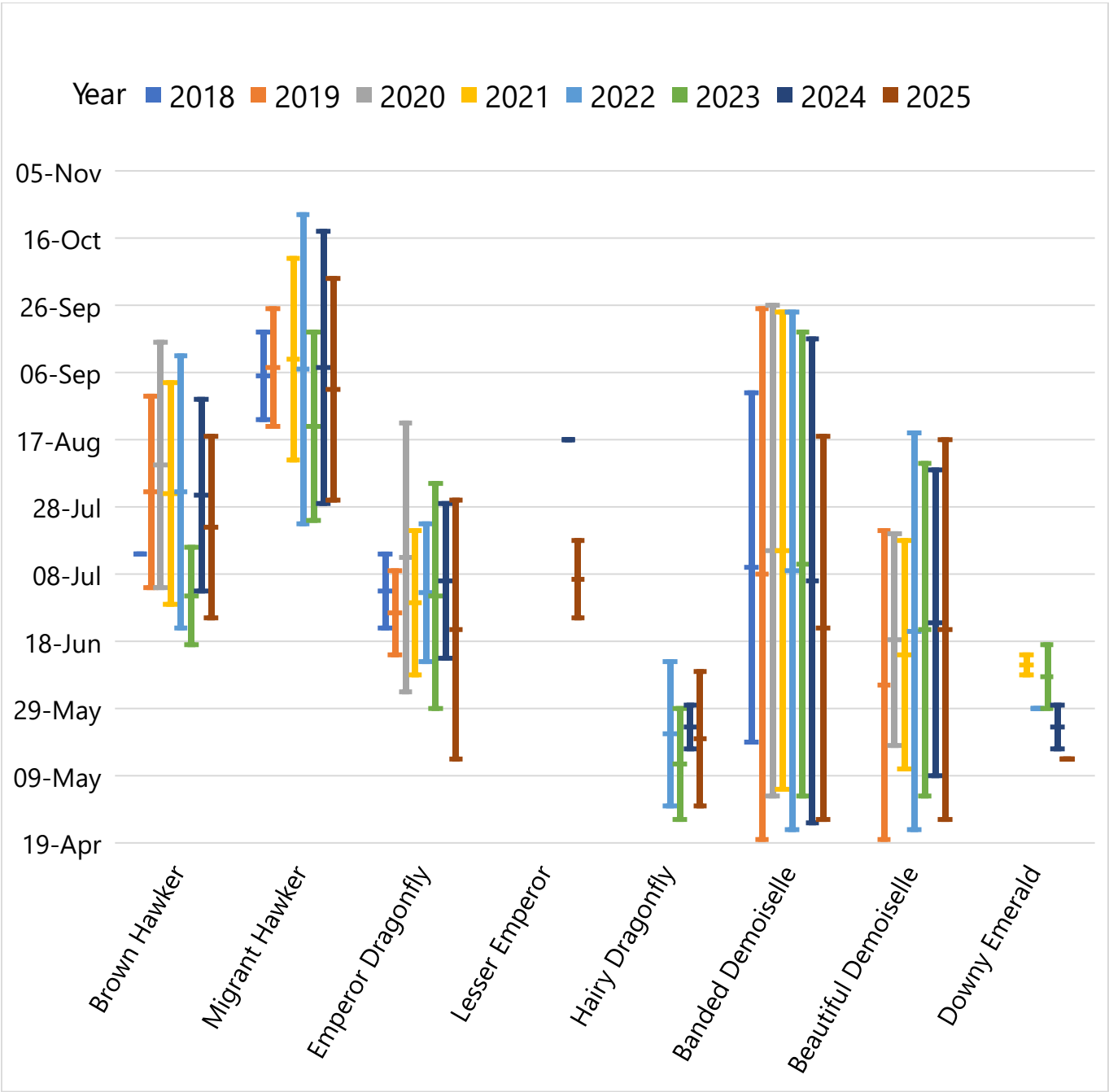
Number of species 16

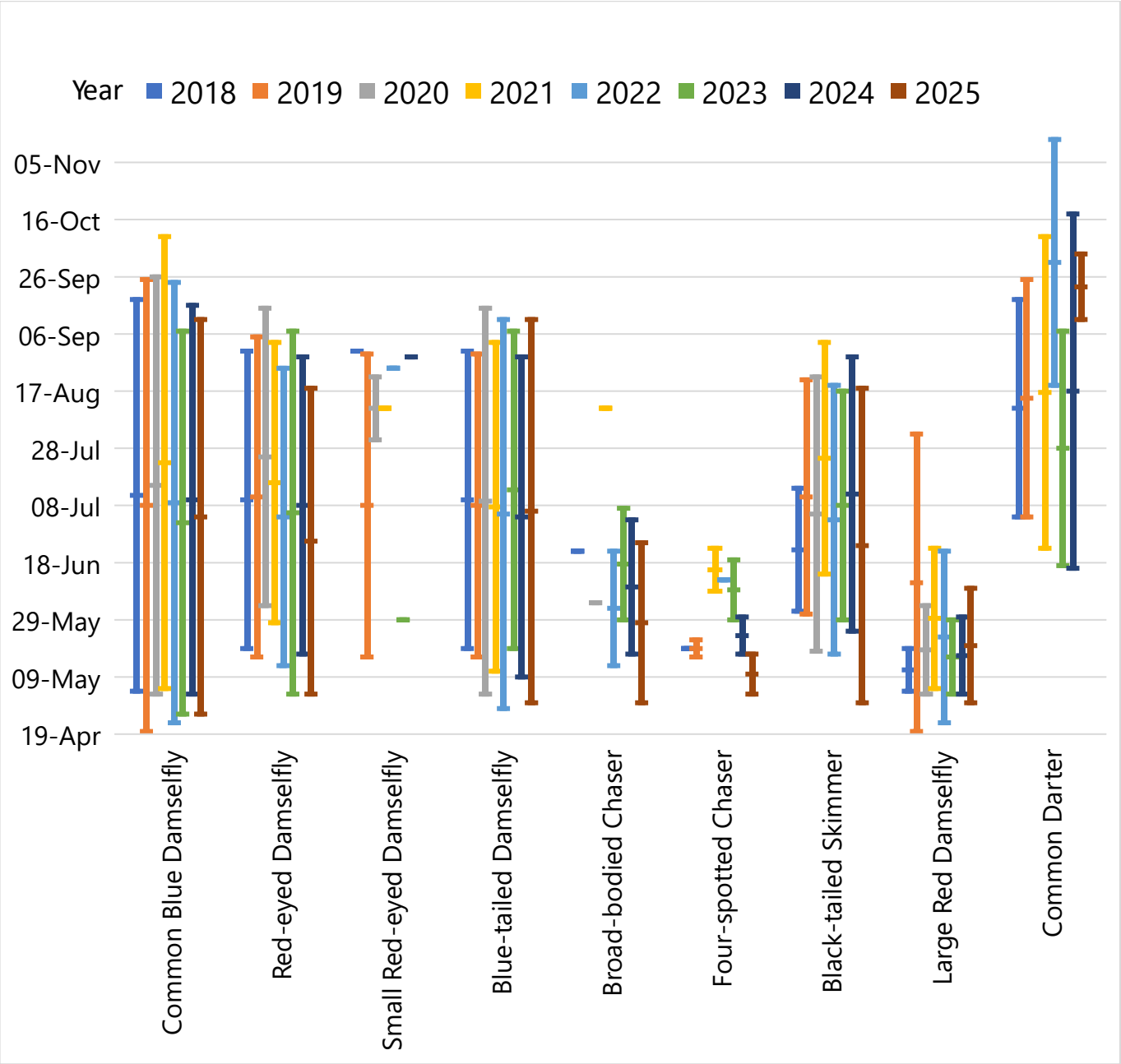
# Chapter 8 - Dragonfly and Damselfly Report

*Dragonfly recorder: Alan Holmes*

2025 began with a very warm April resulting an unprecedented number of 8 species being seen in April, although the Broad-bodied Chaser was seen on Manor Farm. A long summer drought probably curtailed the common Blue Damselfly season and the counts of other later emerging species. On the other hand, the Lesser Emperor is now a regular feature of the reserve. A period of unseasonal weather in September shortened the season.

*The following two charts show the first seen date and the last seen date of each species by year. The first, last and mean date are indicated by rectangles. If the species was only seen on only one occasion, it is indicated by a rectangle.*





Observations

Willow Emerald - *Chalcolestes viridis*

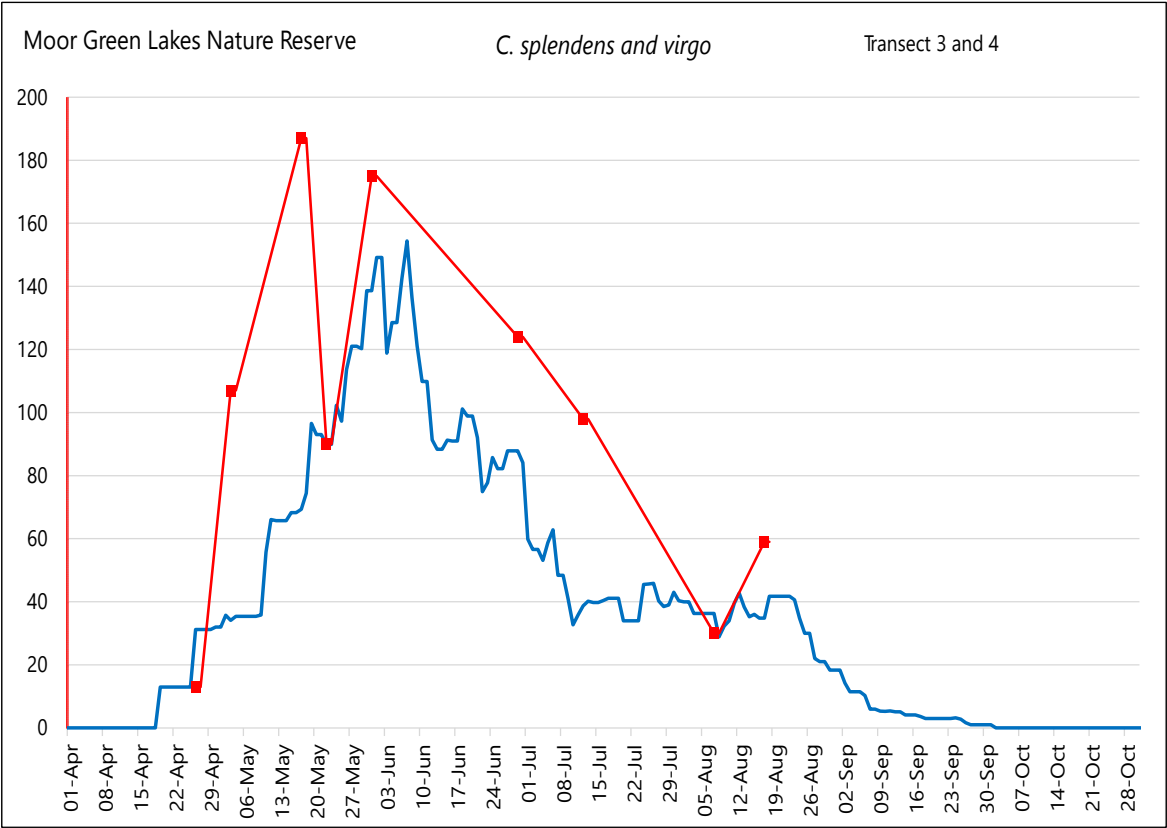
Uniquely among British dragonflies, Willow Emerald lay eggs into cuts incised in bark of living plants over hanging the water, often willows. This scarring was seen on the south side of Grove and North bank of Colebrook, but no adults seen.

Banded Demoiselle/Beautiful Demoiselle - *Calopteryx splendens/C. virgo*

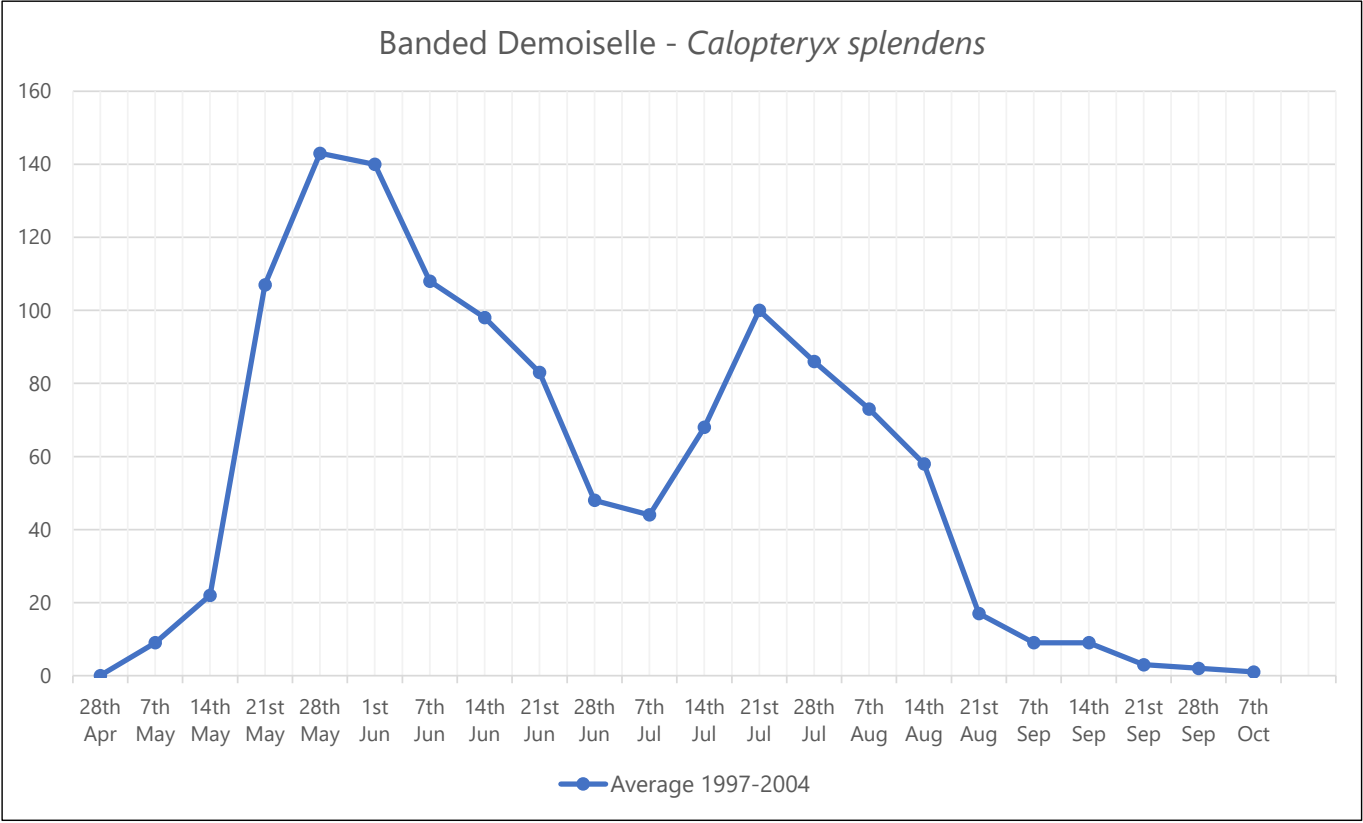
It is interesting to compare the counts with historical data. While counts of Banded Demoiselle have dropped, the total of the two species uncannily match the previous total. It seems the Beautiful Demoiselle has taken over some of the Banded Demoiselle’s previous niche.



Below: Total number of *Calopteryx splendens*/*C. virgo* seen on Transects 3 and 4 in red, with 2018 to 2025 averaged in blue.



Below: Average number of *Calopteryx splendens* seen over 1997 to 2004



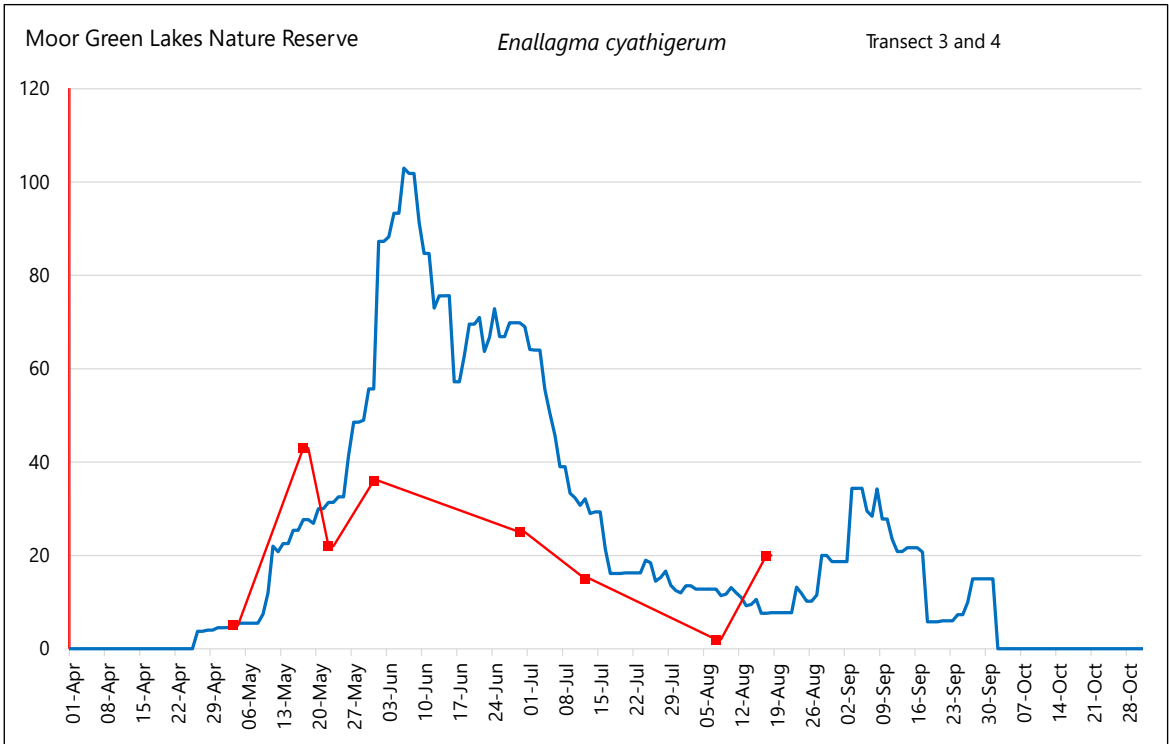
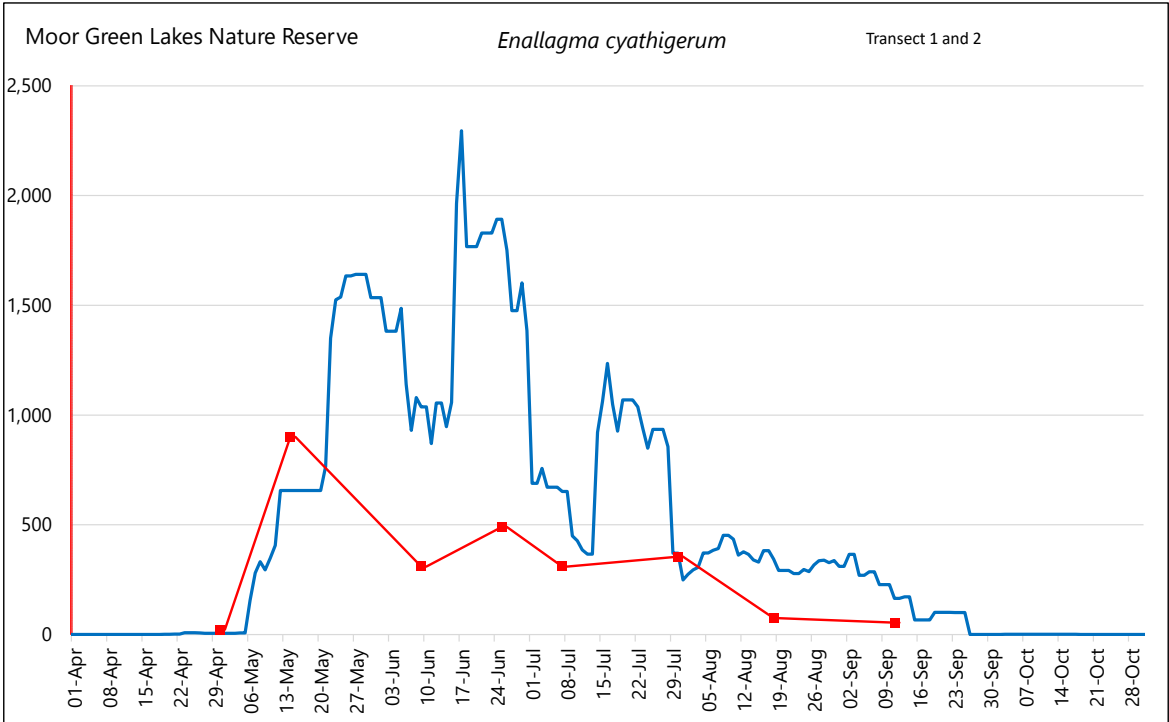
**Azure Damselfly - *Coenagrion puella***

Just 80 seen on the south of Goose Island comes after an amazing 150 in 2024.

**Common Blue Damselfly - *Enallagma cyathigerum***

A poor year, presumably driven by the drought preventing the emerging adults from feeding to mature. The numbers of adults found feeding on the meadow was greatly reduced in the drought.

*Below: Total number of Enallagma cyathigerum seen on Transects 1 and 2 in red, with 2018 to 2025 average in blue. Bottom: Same but with Transects 3 and 4.*



**Red-eyed Damselfly - *Erythomma najas***

A peak of 52 on the 14th of May, before numbers crashed with the drought.

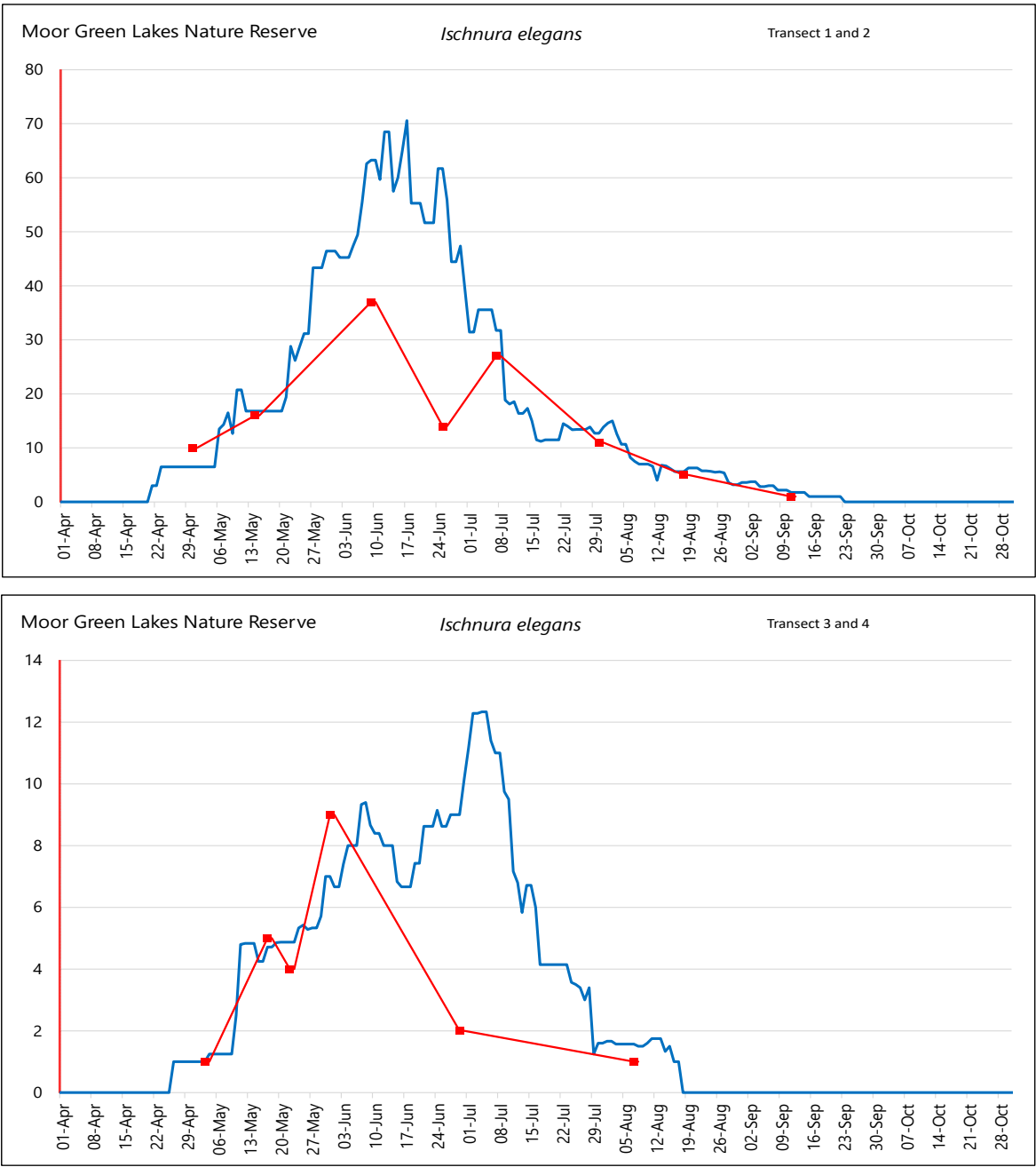
**Small Red-eyed Damselfly - *Erythomma viridulum***

No records.

**Blue-tailed Damselfly - *Ischnura elegans***

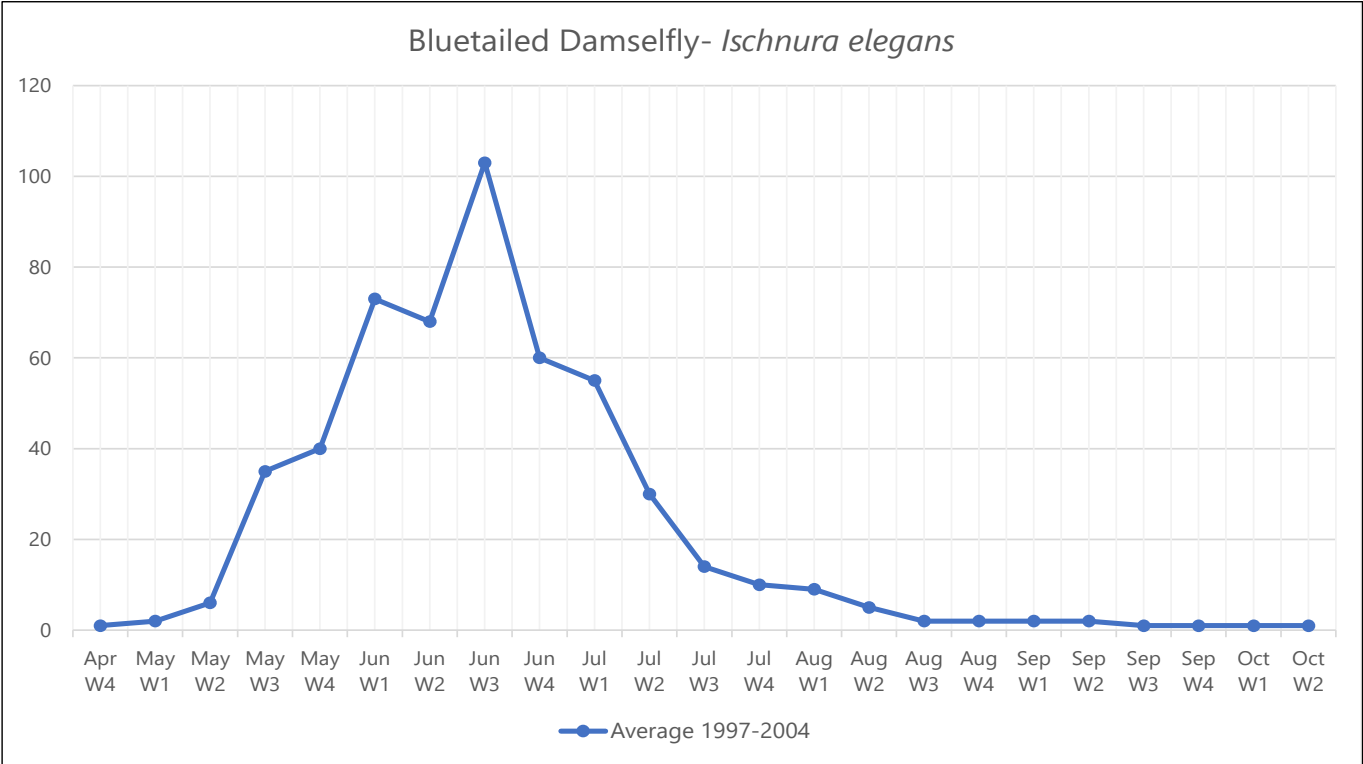
On the main reserve (Transects 1 and 2) a poor year in comparison with the average 2018 to 2025. In contrast to the demoiselles, there is also a worrying decline on the river with a peak this year of 10 against an average peak in 1997 to 2004 of 100. The species seems to be in decline in Southern England and across NW Europe.

*Below: Total number of Ischnura elegans seen on Transects 1 and 2 in red, with 2018 to 2025 average in blue. Bottom: Same but with Transects 3 and 4.*





Below: Average number of *Ischnura elegans* seen between 1997 and 2004



**Large Red Damselfly - *Pyrrhosoma nymphula***

13 on the 30th of April on Transects 1 and 2 was a very high count showing that the species occurs in small numbers on the main lakes.

**Southern Hawker - *Aeshna cyanea***

No records.

**Brown Hawker Dragonfly - *Aeshna grandis***

5 on both the 26th of June and the 7th of July masks an otherwise poor year. 2024 had a record of 13.

**Migrant Hawker Dragonfly - *Aeshna mixta***

The maximum count was 4 on the 17th of August 2024. A very disappointing year, possibly caused by the drought.

**Emperor Dragonfly - *Anax imperator***

A peak of 6 on the 7th of July was back to the sort of numbers expected after 2024’s disappointing year.

**Lesser Emperor - *Anax parthenope***

7 records of counts of up to 3 between the 25th June and 18th July. Now well established. For a brief period they could be clearly seen from the Colebrook South screen, on one occasion chasing away an Emperor dragonfly trying to oviposit.

**Hairy Dragonfly - *Brachytron pratense***

A beneficiary of the early start to the season, 8 on the 30th of April and another 5 on Manor Farm on the same date, this far exceeds 2024’s 3- already a record.

### Downy Emerald - *Cordulia aenea*

2 on the 14th of May.

### Broad-bodied Chaser - *Libellula depressa*

Single records 30th April to 25th June after 2024's amazing peak of 11.

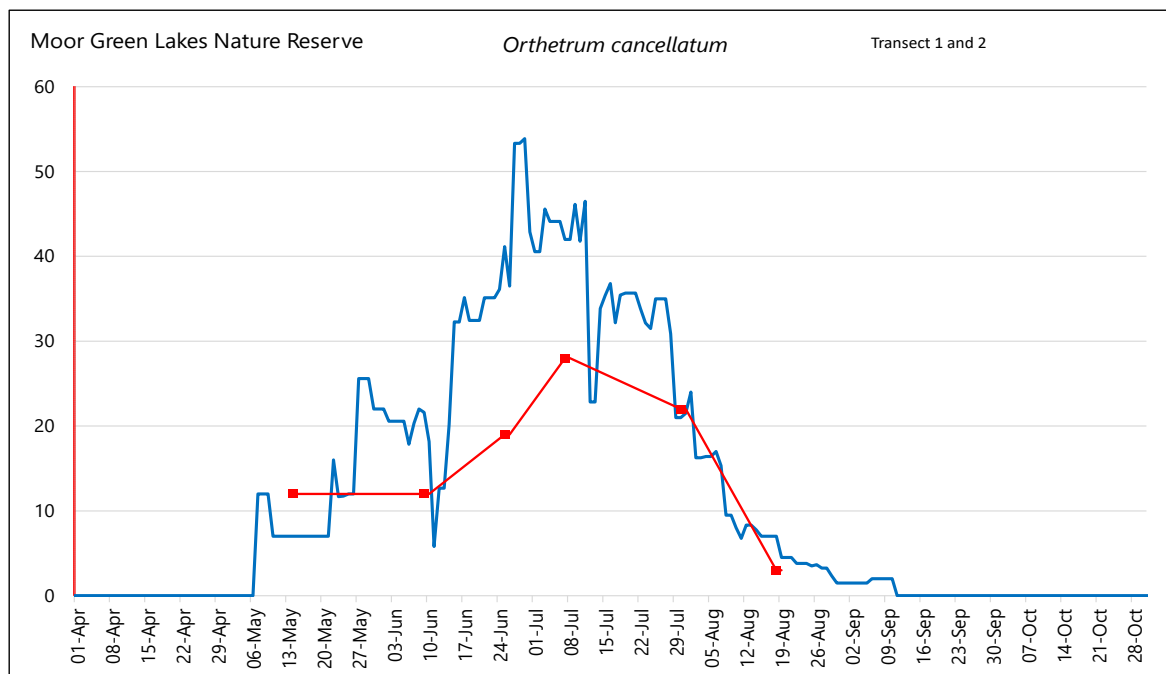
### Four-spotted Chaser - *Libellula quadrimaculata*

32 on the 14th of May comes after 2024's high count of 21.

### Black-tailed Skimmer - *Orthetrum cancellatum*

A reasonable year, but well down on the high counts of the past. Recovering from a poor year on 24.

*Below: Total number of Orthetrum cancellatum seen on Transects 1 and 2 in red, with 2018 to 2025 average in blue.*



### Common Darter - *Sympetrum striolatum*

A record by Peter Craig of 3 ovipositing pairs on 29th Sept made up for all the other records which were of individuals. A very disappointing year, possibly the emergence badly affected by the drought.

### Finally

I am grateful to the support of everybody who have been so helpful.

Please send any records to me, ideally with a photograph and an indication of where on the reserve you saw it or submit to IRecord. If you cannot identify them, I am happy to do this.

## Chapter 9 - Mammal, Reptile and Amphibian Report

*Mammal, Reptile and Amphibian Recorder: Mary Thompson*

### **Mammals**

Recording accurate numbers of mammals around the site is difficult as many are nocturnal or quite secretive or so common that they are rarely reported. I have had to rely on sightings being recorded on the sheets in the hides, on iRecord or my sightings around the reserve. This year, we have also had two small mammal trapping sessions and a bat box survey

#### **Foxes**

Have been seen in all areas of the reserve throughout the year. Fox cubs have also been seen on the north side of Colebrook

#### **Roe Deer**

Multiple sightings all around both Grove and Colebrook lakes. There is a small herd with at least 4 (3 female and 1 stag) and there have been sightings of at least 2 fawns.

#### **Muntjac Deer**

Were regularly seen around the site and again there have been sightings of young.

#### **Weasels, Squirrels, Moles and Rabbits**

There has been one sighting possibly of a weasel and there are many rabbits, squirrels and moles although these are not reported on regularly.

### **Small Mammal Survey**

With help from Bernard Baverstock, we did two small mammal trapping sessions in May and September. We laid out 45 traps with food and bedding in them, but neither session was very successful this year. There were 3 Wood Mice in our first session and only had 4 Wood Mice in our second session.

These low numbers may possibly be connected to a report of low Barn Owl and Tawny Owl breeding numbers this year. It is thought that the increased drought and lack of grass growth had reduced vole numbers. Some Common Shrews, Bank Voles and Wood Mice although were still seen under reptile tins and during the mowing sessions, but it was not possible to give accurate numbers.



*Wood Mouse © Mary Thompson 2025*



## Reptiles and Amphibians

To monitor the reptile and amphibians on site this year, 12 Reptile tins were placed around the site to enable more regular surveying. I also used the sightings reported on forms in the hide and verbal records. The tins were placed all around Colebrook Lake and the north side of Grove Lake and checked monthly.

There were no sightings or reports of adders again this year. Grass snakes were often seen under the tins and at one tin there were 4 Grass snakes including 2 juveniles.



*Grass Snake © Mary Thompson 2025*



Slow Worms also were seen all over the site again also juveniles were seen.

Smooth Newts were seen during a pond dipping session and are seen regularly near Colebrook hide

I've not seen or had any reports of any frogspawn or toad spawn. Although, many frogs and toads have been seen all over the site. In June there was at least 50 froglets and toadlets north of Grove.

Next year I will continue surveying the tins, although some that were not successful will be moved and I intend to add a few more tins around Grove hide and to the east of Grove. This regular surveying will enable us to see any in changes in populations.

*Slow Worms © Mary Thompson 2025*



## Bat Box Surveys

As usual a bat box survey was done in September with Steve Bailey who is licenced to handle bats. There are 22 bat boxes around the reserve and 10 of these had evidence of bats in them. We found 20 bats in total, all of them soprano pipistrelles - *Pipistrellus pygmaeus*.



Bat © Mary Thompson 2025

These are similar results to previous years, although occasionally we have had Common Pipistrelles - *Pipistrellus pipistrellus*. Daubenton's - *Myotis daubentonii* - have not been found in boxes since 2014, but they are seen and heard around the site. This year one was found roosting in the Grove Lake Hide for a couple of days.

Two of the boxes had been taken over by Tree bees, one by Hornets and 4 birds' nests were found in them. This year some general maintenance was done, repairing and readjusting the boxes hopefully to encourage more bats to use them.

A huge thank you to everyone who has put their sightings onto the forms in the hide and sent results to me direct or those that have recorded on iRecord. Thanks also to Bernard Baverstock and Steve Bailey for their help with the small mammal and Bat box surveys.



Hornet nest in bat box © Mary Thompson 2025

## Appendix A - Profile and Maps of the Reserve

The Moor Green Lakes Nature Reserve lies partly within the area administered by Wokingham District Council and partly within the Borough of Bracknell Forest. The River Blackwater, which forms the boundary between the counties of Berkshire and Hampshire, runs close to the southern boundary of the reserve. To the north is Finchampstead Ridges, administered by the National Trust. To the East is Horseshoe Lake activity centre. To the West is Manor Farm and across the Longwater Road, Fleet Hill Farm both currently owned by Cemex (as at Dec 2025), forming a large green space.

The reserve covers an area of approximately 36 hectares (90 acres), the majority of which lies within the flood plain of the River Blackwater. It contains three lakes formed out of flooded gravel pits which are bordered by areas of grassland, planted coppice and wildflower meadow. Two of the lakes, Colebrook Lake North and Colebrook Lake South, are separated by an elongated island through the centre of which runs the old water course of the Colebrook Cut. The third lake, Grove Lake, lies immediately to the east separated by a narrow strip of land. Within the lakes are several gravel-capped islands and gravel beaches.

An important feature of the reserve is the presence of sluices, at the exit of the Colebrook Cut and from Colebrook Lake into the River Blackwater, which allow the level of the water in Colebrook Lakes North and South to be controlled within certain limits. By this method, muddy margins can be exposed ahead of the main spring and autumn passage of wading birds.

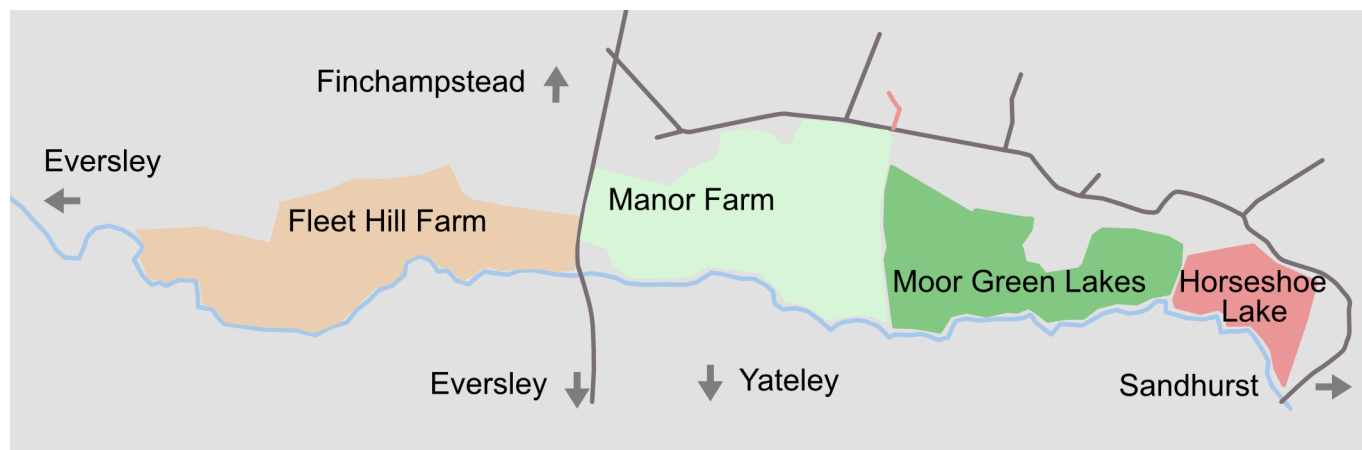
Public access to the reserve is restricted to the viewing hides which overlook respectively Colebrook Lake North and Grove Lake (see following Appendix A - Map 2). Unfortunately, because of the threat of vandalism the hides cannot be left open permanently, but members of the public may use the hides whenever they are in use by members of the group (who have access at any time). The Colebrook Lake hide incorporates a viewing window for observers in wheelchairs. When the hides are locked, views over the scrapes adjacent to the hides can be obtained from the screened viewing points alongside the hides. Views across the reserve can also be obtained from numerous viewing points and two viewing slots along the footpath, which runs along the western and southern sides of the reserve.

The main access to the reserve is from Lower Sandhurst Road where a car park has been provided (Ordnance Survey grid reference SU805628). The shortest access to the Grove Lake hide is from the Rambler's Car Park at the entrance to the Horseshoe Lake Water Sports Centre off Mill Lane (grid reference SU820620).

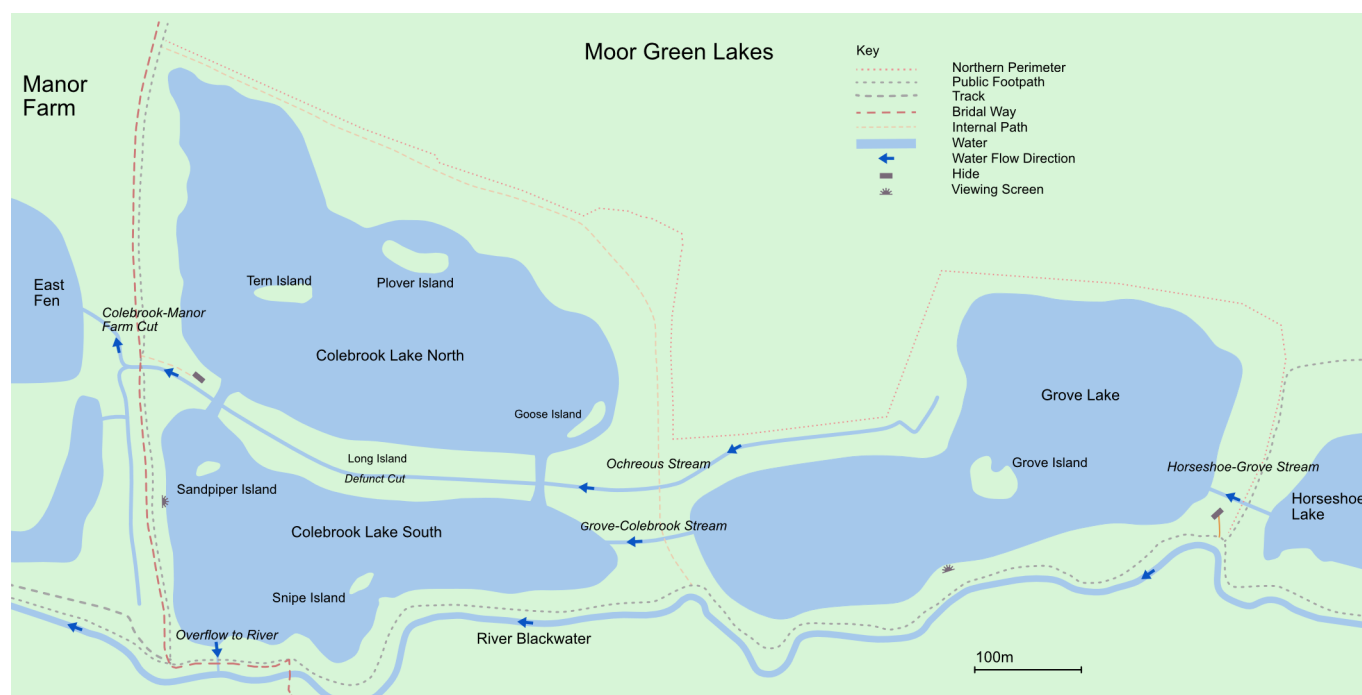
The following maps give an overview of Moor Green Lakes Reserve, and its context to the surrounding area. All maps are loosely based on Ordnance Survey Open data. No rights-of-way or legal boundaries can be inferred from these maps; they are illustrative only.

TIP: Zoom in to see more detail on the maps.

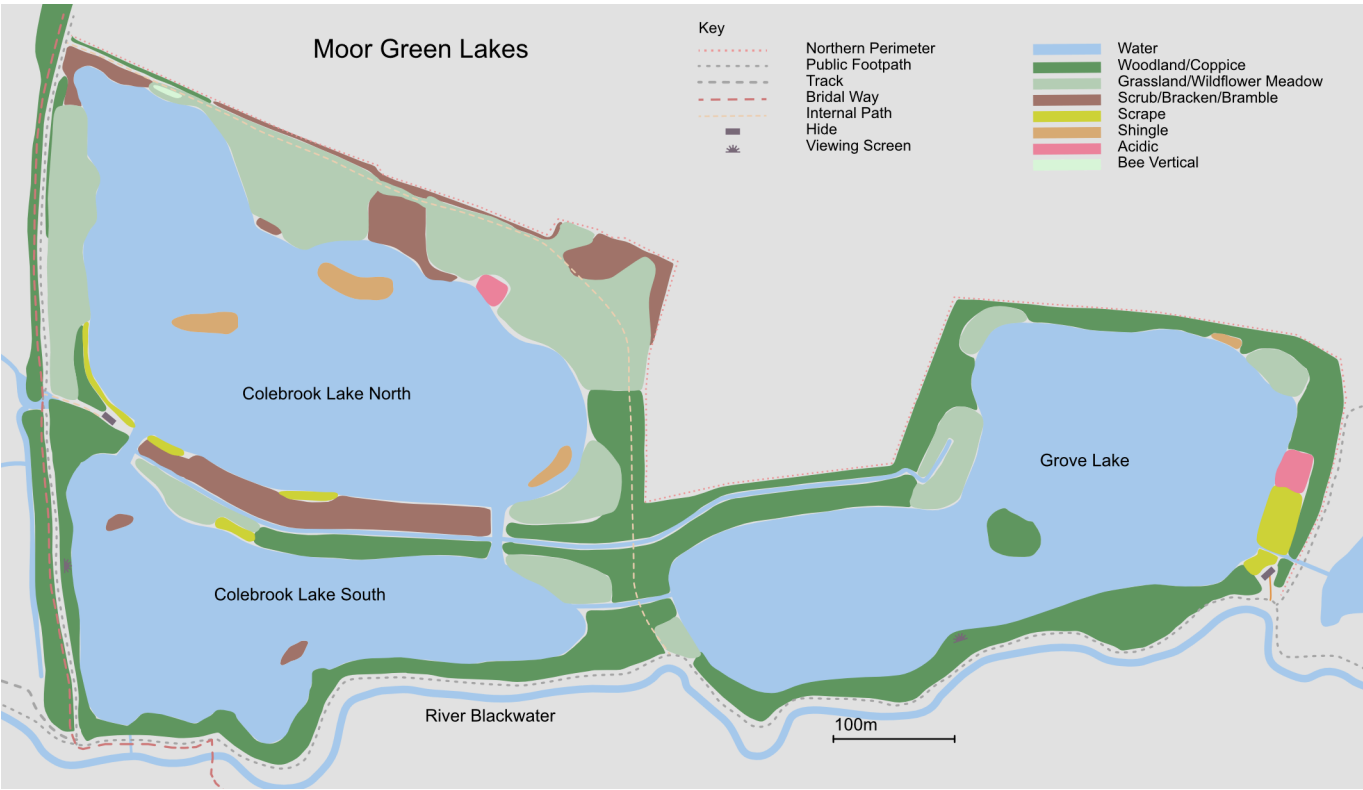




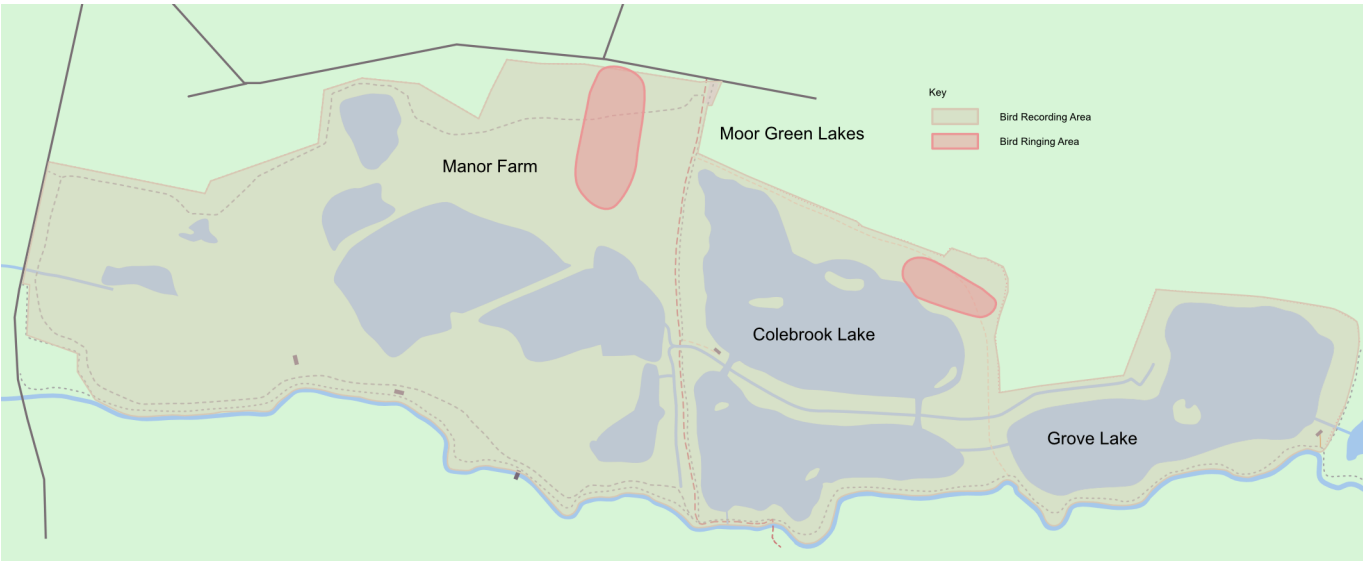
Map 1. This shows Moor Green Lakes in dark green North of the River Blackwater. At the end of 2025 ownership of this land passed to Finchampstead Parish Council. To the East is Horseshoe Lake, owned and managed by Bracknell Forest Council as a recreational area. To the West of Moor Green Lakes, is Manor Farm, which at the end of 2025 was still owned by Cemex. Further West, along the Blackwater Valley Road over Longwater Road, is Fleet Hill Farm. Some of this land is owned by Cemex and some privately owned.



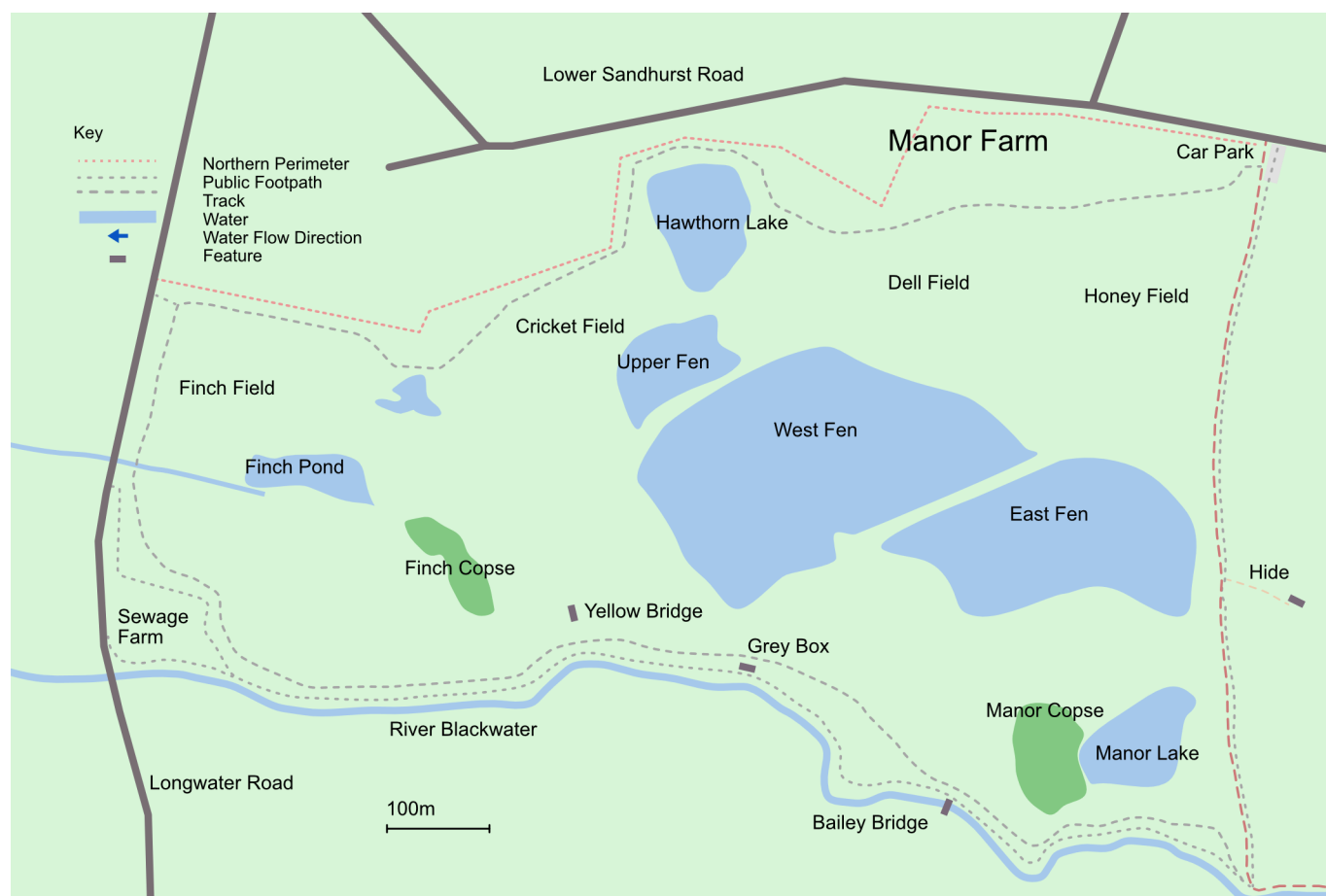
Map 2. This is a feature map of Moor Green Lakes, showing the lake and island names, and the water flow.



Map 3. This is a habitat map of Moor Green Lakes, giving an idea of the diverse types of habitat there are across the reserve.



Map 4. This shows the bird reporting zone which covers Manor Farm and Moor Green Lakes from the Northern perimeter down to the Blackwater River. It also show two areas where bird ringing takes place.



Map 5. This is a feature map of Manor Farm, again showing the names of some of the salient features. Not part of the Moor Green Lakes reserve, but it is in scope for bird recording and bird ringing activities, of which the naming may be useful when reporting sightings. One thing to note, restoration of this site is complete, but there may still be some changes made, particularly regarding water levels, prior to handover of the site to new ownership. So, the lakes, ponds and water flows are not accurate and still liable to change.



## Appendix B - Moor Green Lakes Group Team

As at end of 2025.

### Officers of the Committee

|               |               |
|---------------|---------------|
| Chairman      | Simon Weeks*  |
| Vice Chairman | Peter Craig*  |
| Secretary     | Duncan Clark* |
| Treasurer     | Steve Arnold* |

### Recorders

|                                  |                                 |
|----------------------------------|---------------------------------|
| Bird Recorder                    | Robert Godden*                  |
| Bird Ringing                     | Colin Wilson*                   |
| Botanical Recorder               | Steve Arnold and Jane Heritage* |
| Butterfly Recorder               | Paul Richards*                  |
| Dragonfly and Damselfly Recorder | Alan Holmes*                    |
| Fungi Recorder                   | Vacant                          |
| Mammal Recorder                  | Mary Thompson                   |
| Moth Recorder                    | Vacant                          |
| Nest Box Recorder                | Mary Thompson                   |
| Reptile Recorder                 | Mary Thompson                   |

### Site Management, Rangers, Work Party Leaders

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Site Liaison Officer | Simon Weeks                                              |
| BVCP Senior Ranger   | Stuart Croft*                                            |
| BVCP Rangers         | Matt Bennett, Sara Green*                                |
| Work Party Leaders   | Duncan Clark, Jane Heritage, Jon Needes and Sarah Elston |
| Maintenance Support  | Tony Elston                                              |
| Bird Feeders         | Christine Bartlett and Kerry Davidson                    |

### Administration

|                      |                                             |
|----------------------|---------------------------------------------|
| Annual Report Editor | Iain Oldcorn*                               |
| Membership Secretary | Dave Bishop                                 |
| Newsletter Editor    | Steve Arnold, Peter Craig and Jane Heritage |
| Website              | Steve Arnold                                |

Note - \* indicates people who are regular committee members.

## Appendix C - Reference Library

The following documents are held with Blackwater Valley Countryside Partnership at Ash Lock Cottage, Government Road, Aldershot GU11 2PS. Please contact BVCP at [blackwater.valley@hants.gov.uk](mailto:blackwater.valley@hants.gov.uk) if you wish to view the information, or if you have any information about the Moor Green Lakes reserve to contribute to the library.

### Site Survey Data

| #  | Details                                                                                                                                                                |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Anon. (1993) <b>Plant list for Moor Green Lakes</b> . Farnborough College of Technology, Unpublished Student Dissertation (USD).                                       |
| 2  | Bailey, S. (2002) <b>Bat Assessment of Moor Green Lakes Nature Reserve</b> . Moor Green Lakes Group, Unpublished Report (UR).                                          |
| 3  | Blackwater Valley Countryside Partnership (various) <b>Survey Data</b> . Includes a number of minor surveys with Moor Green records. Available on request.             |
| 4  | Briggs, K. (2001) <b>Moor Green Lakes Nature Reserve; Ornithological Monitoring, 2000</b> . Moor Green Lakes Group, UR.                                                |
| 5  | Briggs, K. (2006) <b>Moor Green Lakes Nature Reserve; Ornithological Monitoring, 2006</b> . Moor Green Lakes Group, UR.                                                |
| 6  | Brown, I. (1993) <b>Eversley Gravel Pits Bird Species List</b> . Moor Green Lakes Group, UR.                                                                           |
| 7  | Camberley Natural History Society (1991) <b>Moor Green Farm; bird list</b> .                                                                                           |
| 8  | Cole, J and Sims, I. (2011) <b>Moor Green Lakes Terrestrial Insect Survey</b> .                                                                                        |
| 9  | Cooper, S. (2006) <b>Moor Green Lakes Nature Reserve. An Aquatic and Wetlands Plant Survey</b> . Surrey Wildlife Trust, UR. (2 copies.)                                |
| 10 | Crick, K. (1999) <b>Moor Green Lakes Odonata Population Survey Benchmark Report</b> . Moor Green Lakes Group, UR.                                                      |
| 11 | Crick, K. (2004) <b>Moor Green lakes Odonata Population Survey 1997 – 2004</b> . Moor Green Lakes Group, UR.                                                           |
| 12 | Crick, K., Sussex, D & Mockridge, T. (2006) <b>Moor Green Lakes Nature Reserve Aquatic Invertebrate Survey, Long Island Scrapes</b> . Moor Green Lakes Group, UR.      |
| 13 | Gannaway, H.L. (1997) <b>The Distribution of Small Mammals at Moor Green Lakes</b> . Farnborough College of Technology, USD.                                           |
| 14 | Girvan, I. (2003) <b>Water Vole Survey for River Blackwater, Eversley</b> . Surrey Wildlife Trust, UR.                                                                 |
| 15 | Hall, C. (2002) <b>Moor Green Lakes Nature Reserve</b> . A Survey of Aquatic and Wetland Plants. Moor Green Lakes Group, UR.                                           |
| 16 | Lovesey, E. (1997) <b>Spider survey</b> . Moor Green Lakes Group, UR.                                                                                                  |
| 17 | Lovesey, Dr E (1997) Letters re Spider Survey at Moor Green.                                                                                                           |
| 18 | Matthes, G. (1997) <b>Hoverfly surveys 1995-1997</b> . Moor Green Lakes Group, UR.                                                                                     |
| 19 | Merritt, R. (2001) <b>Moor Green Lakes Nature Reserve Invertebrate Survey</b> . Blackwater Valley Countryside Partnership, UR.                                         |
| 20 | Murfitt, R. (2012) <b>Moor Green Lakes Nature Reserve; Breeding Bird Survey 2012</b> . Moor Green Lakes Group, UR.                                                     |
| 21 | Smith, M. (2000) <b>Bracknell Forest Borough Council Invertebrate Survey</b> . Bracknell Forest Borough Council, UR.                                                   |
| 22 | Tomlinson, D. (1995) <b>A Live Trapping Investigation of the Small Mammal Populations at Moor Green Lakes Nature Reserve</b> . Farnborough College of Technology, USD. |
| 23 | Williams, D. (2005) <b>Mammal Survey for Moor Green Lakes Reserve, Yateley</b> . Surrey Wildlife Trust, UR.                                                            |
| 24 | Hall, C. (2013) <b>A Survey of the Wetland Flora of Moor Green Lakes 2012</b> . Moor Green Lakes Group, UR.                                                            |
| 25 | Fourt, D. (1992) <b>Eversley Valley Lakes: Vegetation Surveys</b> .                                                                                                    |
| 26 | Crick, K. (1999) <b>Cricket and Grasshopper Records: Moor Green Lakes</b> .                                                                                            |

## Site Management

| #  | Details                                                                                                                                                 |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Bailey, S. (1995) <b>Moor Green Lakes Nature Reserve Management Plan.</b> Unpublished.                                                                  |
| 2  | Blackwater Valley Countryside Partnership (2005) <b>SEEDA/ALSF Grant 2004/5, Habitat and Access Improvements. BVCP, unpublished report.</b> (2 copies.) |
| 3  | Crick, K. (2002) <b>Moor Green Lakes Nature Reserve Management Plan: Issue 1.</b> Moor Green Lakes Group, UR.                                           |
| 4  | Fourt, D. (2000) <b>Moor Green pH and Liming Records.</b>                                                                                               |
| 5  | Hearn, R. (1993) <b>The Management of Disused Mineral Workings as Habitat for Waterbirds.</b> Farnborough College of Technology, USD.                   |
| 6  | McAll, G. (undated) <b>Management Plan Moor Green Lakes Nature Reserve.</b> Berks, Bucks & Oxfordshire Naturalist Trust, UR.                            |
| 7  | Scott, P. (2001) <b>Installing a Reptile Hibernaculum at Moor Green Lakes.</b> Moor Green Lakes Group, UR.                                              |
| 8  | Dent, S. (2005 - 2008) <b>Mink Rafts Project: Miscellaneous Notes.</b> Moor Green Lakes Group, UR.                                                      |
| 9  | Bailey, S. (1995 - 2000) <b>Artificial Bat Roost: Moor Green Lakes Nature.</b> Working Papers.                                                          |
| 10 | Dent, S. (2006) <b>Moor Green Lakes Group: Miscellaneous Papers.</b>                                                                                    |
| 11 | Bailey, S., Dent, S. (2005/6) <b>Cycling Moor Green: Shared Footpath Use. Working Papers.</b>                                                           |
| 12 | Crick, K. (2004) <b>Moor Green Lakes Nature Reserve Management Plan: Issue 2.</b> Moor Green Lakes Group, UR.                                           |

## Group Administration

| # | Details                                                                           |
|---|-----------------------------------------------------------------------------------|
| 1 | Standley, P. Moor Green Lakes (94) <b>Historic Summary and 1st Annual Report.</b> |
| 2 | Moor Green Lakes (95 - 2024) <b>2nd to 32nd Annual Reports.</b>                   |

## General Reference Material

| # | Details                                                                                                     |
|---|-------------------------------------------------------------------------------------------------------------|
| 1 | Bucknell, N et al (2013) <b>The Birds of Berkshire: Atlas and Avifauna.</b> Birds of Berkshire Atlas Group. |



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## Appendix D - Guidelines on Bird Recording

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### *Bird Recorder: Robert Godden*

Following the creation of Moor Green Lakes as a Nature Reserve, it was necessary to maintain detailed records of birds using the site in order to monitor bird populations. These data can then influence conservation management carried out on the site by the Moor Green Lakes Group and Blackwater Valley Countryside Partnership. The Recording Area is all within Berkshire and comprises Moor Green Lakes Nature Reserve, plus Manor Farm to the West of the reserve, the latter bounded by the River Blackwater, Lower Sandhurst Road and Longwater Road, see Appendix A - Map 4.

This Recording Area (see Appendix A for map) is covered by the Report on Birds and Systematic List (Appendix E) in the Moor Green Lakes Group Annual Report, so as a general rule only bird records for this area should be submitted to the Bird Recorder or put onto hide logs.

Bird records for the Moor Green Lakes recording area can be either submitted via the [berksbirds website](#), where they will be picked up for inclusion in the Moor Green Lakes Bird Report or sent directly to the MGL Bird Recorder at [birdrecorder@mglg.org.uk](mailto:birdrecorder@mglg.org.uk).

## Appendix E - Annual Bird Report

### Systematic List - Moor Green Lakes and Manor Farm

The following systematic list is set out according to the order of the 10th edition of the British List published by the British Ornithologists' Union in June 2022.

#### Anatidae – Ducks, Geese, Waterfowl

##### Mute Swan - *Cygnus olor*

Common resident and winter visitor. A pair nested on Colebrook Lake.

Monthly maxima:

| J | F | M | A | M | J | J | A | S  | O  | N  | D  |
|---|---|---|---|---|---|---|---|----|----|----|----|
| 7 | 7 | 6 | 2 | 5 | - | 5 | 3 | 13 | 13 | 21 | 14 |

##### Whooper Swan - *Cygnus cygnus*

Vagrant. A Whooper Swan was on Finch Pool on Apr 28th (CRG). This is the third site record after previous records in 2014 and 2018.

##### Brent Goose - *Branta bernicla*

Vagrant. A Brent Goose of the dark-bellied race was in the roadside paddock behind Grove Lake on Nov 18th (TC). This is the first record since a flock of six flew over Manor Farm on Dec 18th, 2016.

##### Canada Goose - *Branta canadensis*

Abundant resident. At least three pairs nested. There were several reports of a Canada x Greylag Goose hybrid through the year, and two Canada x Barnacle Geese were reported on Mar 16th.

Monthly maxima:

| J   | F  | M  | A  | M  | J | J   | A | S  | O  | N  | D  |
|-----|----|----|----|----|---|-----|---|----|----|----|----|
| 140 | 66 | 46 | 12 | 25 | - | 122 | 9 | 50 | 82 | 71 | 20 |

##### Barnacle Goose - *Branta leucopsis*

Regular visitor. In the first winter period, the regular flock were normally to be seen on Manor Farm, with up to 14 counted until Feb 18th, then four remaining until Mar 6th and the last two seen on Mar 16th. The flock of 13 returned on Aug 15th followed by isolated sightings on Sep 19th and Oct 6th, but there was a more continuous presence after the end of October.

Monthly maxima:

| J  | F  | M | A | M | J | J | A  | S  | O  | N  | D |
|----|----|---|---|---|---|---|----|----|----|----|---|
| 14 | 13 | 4 | - | - | - | - | 13 | 13 | 20 | 12 | 0 |

##### Greylag Goose - *Anser anser*

Resident which has bred. Two pairs raised young on Colebrook Lake and Grove Lake.

Monthly maxima:

| J  | F  | M | A  | M | J | J | A  | S | O  | N | D  |
|----|----|---|----|---|---|---|----|---|----|---|----|
| 29 | 16 | 3 | 10 | 6 | - | 5 | 10 | - | 65 | 0 | 70 |

## Anatidae – Ducks, Geese, Waterfowl (continued)

### Mandarin Duck - *Aix galericulata*

Common resident. There were 19 reports of Mandarin Ducks throughout the year with a peak count of six on May 25th. This is a secretive species especially during the breeding season, and the only suggestion of breeding came when a pair flew from a tree along the northern perimeter of Manor Farm on Apr 19th.

### Egyptian Goose - *Alopochen aegyptiaca*

Resident. Broods of four and seven young were seen on Manor Farm on Apr 23rd.

Monthly maxima:

| J  | F  | M  | A  | M | J | J  | A  | S  | O  | N | D  |
|----|----|----|----|---|---|----|----|----|----|---|----|
| 44 | 15 | 12 | 22 | 5 | - | 13 | 22 | 12 | 19 | 2 | 20 |

### Shelduck - *Tadorna tadorna*

Regular visitor and increasingly regular breeder. Shelducks typically return to Moor Green around the New Year. This time, the first bird arrived on Dec 20th, 2024, with two birds from Jan 21st. Two birds were present until May 16th, though a third bird was reported on three occasions, and were often seen close to Plover Island. On Apr 13th, they were seen to inspect the entrance to the nest chamber, but there was no evidence that the birds had bred.

### Goldeneye - *Bucephala clangula*

Occasional winter visitor. The only report was of a female at dusk on Colebrook Lake on Oct 15th (JMC). The last time that a Goldeneye wintered at Moor Green Lakes was in the first winter period of 2021 – the three reports since then have been of one-day visits of birds presumably passing through.

### Goosander - *Mergus merganser*

Common winter visitor. As usual the highest winter counts were made at dusk or very early morning as birds arrived at or departed their roost on the Colebrook Lakes or on Grove Lake. The high count of 41 on Jan 11th comprised 31 birds on Colebrook Lake and ten on Grove Lake. Three birds on Apr 5th (PJCr) were apparently the last of the first winter period, but seven weeks later a Goosander flew over West Fen on May 21st – was another breeding event taking place unseen? There were no subsequent sightings until the first bird of the autumn appeared on Oct 30th (PJCr).

Monthly maxima:

| J  | F  | M  | A | M | J | J | A | S | O | N  | D  |
|----|----|----|---|---|---|---|---|---|---|----|----|
| 41 | 37 | 18 | 3 | 1 | - | - | - | - | 1 | 13 | 34 |

### Pochard - *Aythya ferina*

Common but declining winter visitor, occasional in summer and has bred. Numbers were much lower than in 2024. There were no spring records after three on May 10th (ABM), and consequently no suggestion of breeding. Autumn sightings resumed with one on Sep 12th (PJCr).

Monthly maxima:

| J | F  | M | A | M | J | J | A | S | O | N | D  |
|---|----|---|---|---|---|---|---|---|---|---|----|
| 5 | 10 | 3 | 1 | 3 | - | - | - | 2 | 3 | 8 | 15 |

## Anatidae – Ducks, Geese, Waterfowl (continued)

### Ring-necked Duck - *Aythya collaris*

Vagrant. An adult male, found on Colebrook Lake on Dec 10th (JMC), remained until Dec 12th.

### Tufted Duck - *Aythya fuligula*

Abundant resident and winter visitor. The highest count of 174 was made on Jan 11th. Two or three broods were reported on Colebrook Lake.

Monthly maxima:

| J   | F  | M   | A  | M  | J | J  | A  | S  | O  | N  | D  |
|-----|----|-----|----|----|---|----|----|----|----|----|----|
| 174 | 80 | 110 | 20 | 20 | 0 | 20 | 20 | 38 | 73 | 59 | 60 |

### Garganey - *Spatula querquedula*

Scarce visitor. Garganeys turned up late this year with a pair near the Bailey bridge on May 20th (SHu). These soon relocated to Finch Pool and were regularly reported until Jun 6th. In the autumn, at least one was on Finch Pool from Sep 16th with two on Sep 20th (ABM) and a female and two juveniles on Sep 21st (PBT). One on Sep 22nd was the last of the year (RJG).

### Shoveler - *Spatula clypeata*

Common winter visitor, occasional in summer. A drake on Finch Pool on May 20th (ABM) was the last of the first winter period. The first returning birds were two on Aug 26th (RJG). Particularly high numbers were noted on Grove Lake towards the end of the year, with 106 on Dec 27th (JMC) the highest count.

Monthly maxima:

| J  | F  | M  | A  | M | J | J | A | S  | O  | N  | D   |
|----|----|----|----|---|---|---|---|----|----|----|-----|
| 69 | 43 | 69 | 40 | 2 | - | - | 2 | 29 | 45 | 34 | 106 |

### Gadwall - *Mareca strepera*

Very common winter visitor that breeds in small numbers. Numbers in the first winter period were unspectacular, slightly better in the second winter period, peaking at 130 on Nov 7th. Breeding was only observed at Hawthorn Pond where sightings culminated in four females accompanying 18 ducklings on Jun 14th (RD, RJG), representing three or four broods.

Monthly maxima:

| J  | F  | M  | A | M  | J  | J | A | S  | O  | N   | D   |
|----|----|----|---|----|----|---|---|----|----|-----|-----|
| 64 | 20 | 35 | 6 | 19 | 22 | 5 | 8 | 52 | 72 | 130 | 101 |

### Wigeon - *Mareca penelope*

Very common winter visitor. After most birds had departed by mid-March, a few birds hung on and the last reported on May 10th (ABM). The first returning birds were three on Sep 8th (WeBS).

Monthly maxima:

| J  | F   | M   | A | M | J | J | A | S | O  | N  | D   |
|----|-----|-----|---|---|---|---|---|---|----|----|-----|
| 76 | 150 | 100 | 7 | 1 | - | - | - | 8 | 40 | 61 | 117 |



## Anatidae – Ducks, Geese, Waterfowl (continued)

### Mallard - *Anas platyrhynchos*

Common resident and winter visitor. The highest count was 138 on the WeBS count on Dec 7th. At least three pairs bred raising broods of up to ten ducklings.

Monthly maxima:

| J  | F  | M  | A | M  | J | J  | A  | S  | O  | N  | D  |
|----|----|----|---|----|---|----|----|----|----|----|----|
| 15 | 70 | 15 | 8 | 26 | - | 42 | 15 | 85 | 30 | 27 | 29 |

### Pintail - *Anas acuta*

Rare winter visitor. A drake was on West Fen on Jan 21st, and two drakes and a female were on Colebrook Lake on Feb 5th. In the autumn, a juvenile was on Manor Farm on Sep 27th (PBT) and then one bird, and occasionally two, were present between Oct 9th and 14th and between Oct 25th and Nov 23rd (MO).

### Teal - *Anas crecca*

Common winter visitor that occasionally summers. A pair was reported on May 14th, and after the last spring sighting on May 29th (PBou) there were no further records until the first of the autumn on Aug 11th (RJG). There was no suggestion that Teal had bred.

Monthly maxima:

| J  | F  | M  | A  | M | J | J | A | S  | O  | N  | D  |
|----|----|----|----|---|---|---|---|----|----|----|----|
| 55 | 59 | 55 | 30 | 2 | - | - | 7 | 48 | 84 | 31 | 30 |

## Phasianidae – Pheasants, Grouse, Allies

### Pheasant - *Phasianus colchicus*

Resident. Common resident.

## Podicipedidae – Grebes

### Little Grebe - *Tachybaptus ruficollis*

Resident and winter visitor. Little Grebes were reported all year from Manor Farm and Colebrook Lake, but there was no evidence of breeding.

Monthly maxima:

| J | F | M | A | M | J | J | A | S | O | N | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 3 | 2 | 1 | 2 | - | 1 | 1 | 4 | 3 | 8 | 5 |

### Great Crested Grebe - *Podiceps cristatus*

Common resident. Although paired birds were seen in spring, there was no evidence that any had bred successfully, for the second consecutive year.

Monthly maxima:

| J | F | M | A | M | J | J | A | S | O | N | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 2 | 8 | 6 | 6 | - | 6 | 8 | 6 | 9 | 9 | 7 |

## Cuculidae - Cuckoos

### Cuckoo - *Cuculus canorus*

Scarce summer visitor. The first was calling on May 2nd (PJCr), with more reports on the following days. There were two on May 25th (DMac) and the last report was one on May 31st.

## Columbidae – Pigeons, Doves

### Collared Dove - *Streptopelia decaocto*

Uncommon resident. Despite being resident among the houses along the Moor Green Lakes' northern boundary, Collared Doves are almost never seen on the reserve. During 2025, the only reports were of one on Aug 23rd and two on Aug 27th.

### Woodpigeon - *Columba palumbus*

Abundant resident. The low numbers reported throughout the year were probably major under-estimates; however, a pre-roost gathering at Grove Lake was estimated at 200 on Dec 20th (JMC).

### Stock Dove - *Columba oenas*

Common breeding resident. A frequent sight and sound around the copse on Manor Farm or perched on the owl box on the north side of the Colebrook Lakes. The maximum count was 20 near the Bailey bridge on Jun 2nd.

## Rallidae – Rails

### Water Rail - *Rallus aquaticus*

Winter visitor. There were five reports in the first winter period up to Mar 12th, with two seen in flight together on Mar 6th. Between then and the autumn, there were two reports, on May 14th and Jul 10th, so it is probable that Water Rails bred on the site. There were many reports in the autumn, especially from Manor Farm in August.

### Moorhen - *Gallinula chloropus*

Common resident. Moorhen is very much under-recorded - there were many low counts and no reports of breeding. A maximum count of 21 on the Sep 8th WeBS count is more indicative of the true population.

### Coot - *Fulica atra*

Common resident and winter visitor. Three broods were noted on Colebrook Lake and Manor Farm..

Monthly maxima:

| J  | F  | M  | A | M  | J | J  | A  | S   | O   | N   | D   |
|----|----|----|---|----|---|----|----|-----|-----|-----|-----|
| 88 | 26 | 20 | 6 | 10 | 3 | 50 | 70 | 177 | 270 | 206 | 268 |

## Recurvirostridae – Stilts, Avocets

### Avocet - *Recurvirostra avosetta*

Rare vagrant. Three Avocets were on West Fen in the afternoon of Mar 10th (MJH).

## Haematopodidae – Oyster Catchers

### Oystercatcher - *Haematopus ostralegus*

Regular visitor and now breeding summer visitor. A pair appeared on Tern Island on Feb 5th (PJC, MJH) and were seen in various places around the site through February and March, with a third bird occasionally reported. In early April, the birds were spending much time on Plover Island, and thoughts that they were nesting out of sight at the rear of the island were borne out when the adults were seen with four chicks on May 10th (ABM). Just two chicks remained on May 18th, but they prospered so that by Jun 17th they were the same size as the adults. Reports in July referred to just one fledged juvenile, and two birds seen on Jul 24th (EC) were the last of the year.

## Charadriidae – Plovers, Lapwings

### Ringed Plover - *Charadrius hiaticula*

Summer visitor and passage migrant that formerly bred. One was reported on the pool by the Bailey bridge on Mar 12th (CRG).

### Little Ringed Plover - *Charadrius dubius*

Summer visitor and passage migrant. The first bird of the spring was noted on Mar 13th (ABT), and following that there were many reports, mostly of one or two birds but occasionally more, including seven on Mar 21st. A few reports referred to birds mating or engaged in display flights, but there was no evidence that birds had bred. This was thought to be due to a couple of factors: a lack of suitable habitat and difficult viewing conditions. The extensive areas of bare gravel present in previous years on Manor Farm were lost due to high water levels and tall ungrazed vegetation, while the latter combined with the long viewing distances made it impossible to see if birds were nesting or if chicks were present. The last report was two birds on the early date of Jun 16th (GHoll).

### Lapwing - *Vanellus vanellus*

Common resident and winter visitor. Good numbers of Lapwings were present in winter, but there was no evidence that Lapwings had successfully bred, despite four territories apparently held at the end of March. Lapwings nest in short grassland so the inability to graze Manor Farm the previous autumn and winter denied this habitat and made observation of breeding activity very difficult.

Monthly maxima:

| J  | F   | M  | A | M  | J  | J  | A  | S  | O   | N   | D  |
|----|-----|----|---|----|----|----|----|----|-----|-----|----|
| 31 | 170 | 18 | 4 | 25 | 53 | 50 | 30 | 78 | 140 | 135 | 60 |

## Scolopacidae – Sandpipers, Allies

### Black-tailed Godwit - *Limosa limosa*

Scarce passage migrant. Three birds were reported this year: one on Jun 1st and 2nd (PJCr), one on Jul 21st (AHarr) and a final bird on Aug 17th (PJCr).

### Jack Snipe - *Lymnocyptes minimus*

Occasional visitor, probably under-recorded. Singles were reported on six dates up to Mar 20th in the first winter period and from Nov 7th in the second, generally from the wet area adjacent to Finch Pool on WeBS counts. One was detected close to the perimeter track with the aid of a thermal imager on Jan 19th (PBT).

### Woodcock - *Scolopax rusticola*

Scarce visitor. One was flushed from near East Fen on Feb 27th (RD). This species is probably a regular user of the site and may be detected more often with visits at dusk.

### Snipe - *Gallinago gallinago*

Common passage migrant and winter visitor. Small numbers of Snipe were usually visible around the lake margins from the footpaths, but a closer look, such as during the WeBS counts, was necessary to get a more realistic idea of numbers present. Thus, an amazing total of 108 were found on Feb 17th. Similarly, an unknown disturbance caused a flock of 44 to fly up from Manor Farm on Feb 2nd. The last spring record was of four on Apr 19th (RJG), and reports resumed in the autumn with one on Aug 17th (RD), and a peak of 20 on Dec 8th.

Monthly maxima:

| J  | F   | M  | A  | M | J | J | A | S | O  | N  | D  |
|----|-----|----|----|---|---|---|---|---|----|----|----|
| 30 | 108 | 28 | 11 | - | - | - | 3 | 1 | 10 | 13 | 20 |

### Common Sandpiper - *Actitis hypoleucos*

Common passage migrant. In a good spring, ones and twos were seen on ten dates between Apr 18th and May 16th. Autumn birds were reported between Jul 10th and Sep 8th – apart from five birds present on Jul 10th and another five on Sep 7th and 8th, reports in this period referred to singles.

### Green Sandpiper - *Tringa ochropus*

Common winter visitor and passage migrant. Green Sandpipers were well-reported on Colebrook Lake and Manor Farm in 2025. Most reports in the first winter involved single birds, concluding with two on Apr 19th (RJG). The first two returning birds appeared on Jun 13th (PJCr) and numbers increased in early autumn with six on Jul 4th (RD), after which only singles were reported until the end of the year.

Monthly maxima:

| J | F | M | A | M | J | J | A | S | O | N | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 2 | - | 3 | 6 | 3 | 3 | 1 | 1 | 1 |



## Scolopacidae – Sandpipers, Allies (continued)

### Redshank - *Tringa totanus*

Summer visitor, former breeder and passage migrant. With just a handful of sightings this year there was no suggestion of breeding. Two were present on Mar 19th (PKe), and singles were seen on Apr 9th (PJCr) and May 20th (ABM), all on Manor Farm.

### Greenshank - *Tringa nebularia*

Regular passage migrant. This was a poor year with a single sighting on Finch Pool on Sep 22nd (GCS).

### Dunlin - *Calidris alpina*

Regular passage migrant. Just two Dunlins were reported this year, singletons on Colebrook Lake on Apr 15th (CEz) and May 26th (HW).

## Laridae – Gulls, Terns, Skimmers

### Common Tern - *Sterna hirundo*

Summer visitor and passage migrant. Common Terns were present between Apr 9th and Aug 23rd (both PJCr). After few April reports, activity picked up in May around Tern Island with 12 birds on May 26th, several reports of mating and at least three nests on May 28th. The first two chicks were seen on Jun 20th, and a juvenile took to the air on Jul 5th.

### Black-headed Gull - *Chroicocephalus ridibundus*

Very common resident and breeding species. The first winter period included a maximum count of 500 at the roost on Jan 4th. In the spring 180 birds were counted on Tern Island on Apr 4th, which is well down on previous years. A roost on Manor Farm on Sep 22nd held 400 birds and the roost on Grove Lake on Dec 28th held 1010 birds including a leucistic individual. One bird was seen carrying a colour ring (yellow ring with black code 2C98) on Feb 28th, and it was learnt that this bird had been ringed as a nestling in Essex in 2021, with previous sightings in Lincolnshire in 2023, and on six dates in 2023 and 2024 at Moor Green Lakes and Horseshoe Lake (KPD).

Monthly maxima:

| J | F  | M   | A   | M  | J | J  | A  | S   | O  | N  | D    |
|---|----|-----|-----|----|---|----|----|-----|----|----|------|
| - | 60 | 194 | 180 | 60 | - | 65 | 10 | 400 | 87 | 73 | 1010 |

### Common Gull - *Larus canus*

Common winter visitor. There were 14 reports of ones or twos up to Mar 16th and from Sep 27th, and two counts of 13 on Dec 8th and 28th.

Monthly maxima:

| J | F | M | A | M | J | J | A | S | O | N | D  |
|---|---|---|---|---|---|---|---|---|---|---|----|
| 2 | 1 | 2 | - | - | - | - | - | 2 | 2 | 1 | 13 |

## Laridae – Gulls, Terns, Skimmers (continued)

### Herring Gull - *Larus argentatus*

Common visitor. Large numbers of Herring Gulls joined the winter gull roost on Colebrook or Grove Lake, arriving late afternoon and departing before light the next day. Peak counts in the two winter periods were 350 on Jan 4th and 270 on Dec 28th. A few birds were also scavenging in the spring at the Black-headed Gull colony on Tern Island.

Monthly maxima:

| J   | F  | M  | A  | M  | J | J | A | S  | O  | N | D   |
|-----|----|----|----|----|---|---|---|----|----|---|-----|
| 350 | 25 | 16 | 13 | 16 | - | - | - | 50 | 30 | - | 270 |

### Yellow-legged Gull - *Larus michahellis*

Regular visitor in small numbers. There were three reports of single birds: on Jan 7th (GCS), on Oct 11th (PBT) and on Oct 26th (CJo).

### Lesser Black-backed Gull - *Larus fuscus*

Very common visitor. Winter counts were low and small numbers hung around the Black-headed Gull colony through the spring.

Monthly maxima:

| J  | F  | M | A | M | J | J | A  | S  | O | N | D |
|----|----|---|---|---|---|---|----|----|---|---|---|
| 30 | 25 | 1 | 4 | 1 | - | 3 | 12 | 15 | 5 | 2 | 5 |

## Ciconiidae – Storks

### White Stork - *Ciconia ciconia*

Vagrant, records relate to a reintroduction project in West Sussex. There were two reports on Manor Farm – on Mar 31st, a bird flew in from the west and landed near the river (STru), and another was seen on Jun 12th (LGall).

## Phalacrocoracidae – Cormorants, Shags

### Cormorant - *Phalacrocorax carbo*

Common winter visitor now resident in small numbers. Cormorants are a common sight on any of the lakes but the highest counts in winter arise from the roost on the island on Grove Lake.

Monthly maxima:

| J  | F  | M  | A  | M | J | J | A | S  | O  | N  | D  |
|----|----|----|----|---|---|---|---|----|----|----|----|
| 13 | 53 | 16 | 16 | 5 | 1 | 5 | 4 | 19 | 16 | 50 | 32 |

## Ardeidae – Herons, Egrets, Bitterns

### Little Egret - *Egretta garzetta*

Regular visitor. Little Egrets were present all year on Colebrook Lake and Manor Farm. Birds could also be watched flying over the site to or from their roost on a lake on the Hampshire side of the river, with nine noted on Dec 18th. Two were seen fighting on Nov 27th.

Monthly maxima:

| J | F | M | A | M | J | J | A | S | O | N | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 3 | 5 | 3 | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 9 |

### Great White Egret - *Ardea alba*

Scarce winter visitor. In the first winter period, one bird was present almost continuously until early March apart from its final appearance on Mar 25th by which time changes to bill and leg colour indicated breeding plumage. There was an isolated report on May 7th before the first autumn sighting on Aug 22nd. Up to three birds were around in September, but thereafter just one was present till the end of the year, apart from two on Dec 14th. On a few occasions a bird was seen to fly to a pit in Hampshire to roost.

### Grey Heron - *Ardea cinerea*

Common resident. There were reports of one to five birds throughout the year. (Just across the river in Hampshire, 13 nests were counted in February and March.)

## Apodidae - Swifts

### Swift - *Apus apus*

Summer visitor. Six birds over Manor Farm on Apr 26th (PJCr) were the first of the year. There were several counts of up to 20 birds in May; later in the year there were 20 on Jul 25th and three on Aug 28th (PJCr) were the last of the year. There was no activity at the swift tower by Colebrook North Lake.

## Tytonidae – Barn-Owls

### Barn Owl - *Tyto alba*

Resident breeder. There were many reports in the first half of the year of a Barn Owl hunting over Manor Farm, usually late afternoon. On four occasions, two birds were watched but there was no further evidence that breeding had occurred – 2025 was generally regarded as a very poor breeding year for Barn Owls across much of the UK.

## **Strigidae – Owls**

### **Tawny Owl - *Strix aluco***

Resident. The favoured roosting tree by Grove Lake became unsuitable as the ivy died reducing the cover it previously offered and after a sighting there on Jan 10th, it was abandoned by the owls; a bird could often be seen in the dead tree hanging over the river from the Hampshire side, drawing attention from the public. Tawny Owl calls were heard from the Longwater Road boundary on Apr 13th and from the northern perimeter track on Aug 26th.

## **Pandionidae – Osprey**

### **Osprey - *Pandion haliaetus***

Vagrant. An Osprey was watched fishing on West Fen on Sep 12th (JS). What was probably the same bird was seen in the same area on Sep 14th, 15th and 19th.

## **Accipitridae – Hawks, Eagles, Kites**

### **Honey-buzzard - *Pernis apivorus***

Vagrant. A Honey-buzzard flew west towards Finch Pool on Jul 13th, and an excellent photograph was obtained (PJCr). This is the first record since two separate birds in 2016.

### **Sparrowhawk - *Accipiter nisus***

Common resident. There were 15 reports during the year, with most reports were in the second half of the year. On Sep 22nd, two birds engaged in a playful tussle.

### **Marsh Harrier - *Circus aeruginosus***

Scarce visitor. Marsh Harriers were reported on 15 dates and involved three or four birds. The first of the year was an immature seen on Feb 16th (AHarr), and again the next day. In the summer, a male was reported on many dates between Aug 19th and Sep 21st. Within this period, a second bird, a juvenile, was also present on Aug 21st (JS, RD) and on Sep 21st (TC, PJCr).

### **Red Kite - *Milvus milvus***

Regular visitor. A common sight with counts of one or two birds.

### **Buzzard - *Buteo buteo***

Common visitor that breeds nearby. Most reports were of ones and twos, occasionally seen feeding on the ground.



## **Alcedinidae – Kingfishers**

### **Kingfisher - *Alcedo atthis***

Moderately common resident. Thirty-four reports came from all parts of the site, usually along the river but sometimes on the lakes, even in front of the hides. Two birds were observed on four occasions, but there was no evidence of breeding.

## **Picidae – Woodpeckers**

### **Green Woodpecker - *Picus viridis***

Common resident. The call of the Green Woodpecker was a familiar sound around the site. A report of six birds with no extra details may refer to a family party.

### **Great Spotted Woodpecker - *Dendrocopos major***

Common resident. There were 24 reports of up to three birds all through the year.

### **Lesser Spotted Woodpecker - *Dryobates minor***

Scarce visitor. One bird was in the trees surrounding the STW on Jan 15th (TC). Around the same time, there were also a few reports from Horseshoe Lake, just outside our recording area.

## **Falconidae – Falcons, Caracaras**

### **Kestrel - *Falco tinnunculus***

Common resident. One or two birds were frequently seen hunting over Manor Farm, with three on Jul 30th. There was no evidence of breeding.

### **Hobby - *Falco subbuteo***

Common summer visitor. After the first bird on May 3rd (CJo), there were many reports of one and sometimes two birds hunting over Colebrook Lake or Manor Farm. In the autumn, two or three birds were regularly watched hawking for dragonflies, including at least one juvenile. The last two birds were noted on Oct 9th (PJCr).

### **Peregrine - *Falco peregrinus***

Regular visitor. There were eight reports this year of single bird in January, March, October and November.

## **Psittaculidae – Parrots, Parakeets, Allies**

### **Ring-necked Parakeet - *Psittacula krameri***

Rare visitor. One flew over Manor Farm on Jan 19th (PBT).

**Corvidae – Crows, Jays, Magpies****Jay - *Garrulus glandarius***

Common resident. Reported all year with five together on Apr 1st (RJG) the highest count.

**Magpie - *Pica pica***

Common resident. Reported all year with 11 on Oct 28th (NST) the peak count.

**Jackdaw - *Coloeus monedula***

Very common resident. Most reports referred to small groups and Jackdaws could often be seen foraging on Tern Island. Larger groups were reported at dawn and dusk around a roost by Grove Lake (e.g. 300 on Dec 20th) or flying to or from a roost in Hampshire: 120 at 6am on Apr 13th flying north, and 660 at dusk flying south-east on Dec 18th.

**Rook - *Corvus frugilegus***

Occasional visitor. Although common on nearby farmland, Rooks are rarely encountered at Moor Green Lakes. In 2025 there were only two reports of no more than two birds.

**Raven - *Corvus corax***

Scarce visitor. Ones and twos were seen and heard overflying the site on 20 occasions throughout year.

**Carrion Crow - *Corvus corone***

Common resident.

**Paridae – Tits, Chickadees, Titmice****Blue Tit - *Cyanistes caeruleus***

Abundant resident.

**Great Tit - *Parus major***

Abundant resident.

**Coal Tit - *Periparus ater***

Regular visitor. This species was only reported six times in 2025, most often near the feeders.

**Alaudidae – Larks****Woodlark - *Lullula arborea***

Rare visitor (has bred). One was reported near the STW on Feb 27th (TC).

## **Alaudidae – Larks (continued)**

### **Skylark - *Alauda arvensis***

Common resident. Skylarks were reported on just nine occasions. Singing was first heard on Feb 5th, with no more than two birds at any one time.

## **Acrocephalidae – Reed Warblers, Allies**

### **Sedge Warbler - *Acrocephalus schoenobaenus***

Scarce summer visitor. After a complete absence in 2024, there were just two autumn reports and both from Manor Farm, one on Aug 28th (PBT) and two on Sep 5th (PJCr).

### **Reed Warbler - *Acrocephalus scirpaceus***

Common summer visitor. Unlike Sedge Warblers, Reed Warblers have a stable population with about seven territories in 2025. The first bird of the spring was on Apr 18th (SCD), and the last bird in the autumn was on the late date of Oct 9th (PJCr).

## **Hirundinidae – Martins, Swallows**

### **Sand Martin - *Riparia riparia***

Common summer visitor. The first spring arrivals were two on Mar 13th (ABT). A few reports of small groups passing through in spring included 15 on Apr 23rd, and 20 on Sep 13th were the last of the year (RJG).

### **Swallow - *Hirundo rustica***

Common summer visitor. The first bird flew through on Mar 27th (SHu). There were many reports of small numbers in spring and a larger party of 50 on Apr 23rd. In autumn, there were six double figure counts including 80 on Sep 5th, and the last two birds of the year headed south on Oct 21st (PJCr).

### **House Martin - *Delichon urbicum***

Common summer visitor. The first bird on Apr 6th (AHarr) preceded a weak spring passage. Larger numbers were present in autumn, often on East and West Fens, with a maximum count of 150 on Sep 27th (PBT), the last report of the year.

## **Aegithalidae – Long-tailed Tits**

### **Long-tailed Tit - *Aegithalos caudatus***

Common resident. Most counts were of two to four birds with a maximum of 30 on Dec 12th (RMH) presumably referring to a total count around the site. One pair was found to have bred.

## **Cettiidae – Cettiid Warblers**

### **Cetti's Warbler - *Cettia cetti***

Increasing resident. Numbers of reports continued to increase with 32 in 2025, up from 22 in 2024. The number of territories remained constant with at least four locations identified: Grove Lake, Colebrook Lake and at least two on Manor Farm. Birds were even heard singing in October.

## **Phylloscopidae – Leaf Warblers**

### **Willow Warbler - *Phylloscopus trochilus***

Declining summer visitor. There was just one spring report, a bird singing on Apr 6th (AHarr). Three birds were encountered in autumn between Jul 21st and the last of the year on Sep 18th (SHu).

### **Chiffchaff - *Phylloscopus collybita***

Very common summer visitor and winters in small numbers. Chiffchaffs were a frequent sight in ones and twos along the river and near the STW in the winter. Ten birds singing on Mar 20th heralded a spring arrival. After a lack of reports during June and July probably indicating birds breeding, reports continued to the end of the year, with a peak in August as birds passed through.

## **Sylviidae – Sylviid Warblers, Parrotbills, Allies**

### **Garden Warbler - *Sylvia borin***

Very common summer visitor. Garden Warblers were reported between Apr 18th (RD, SCD) and Aug 11th (RJG), with at least six territories occupied during the spring.

### **Blackcap - *Sylvia atricapilla***

Very common summer visitor and occasional winter visitor. Wintering Blackcaps are rarely encountered at Moor Green Lakes (no doubt preferring the food and habitat offered by gardens), and the sudden outburst of song at the end of March with three birds on Mar 25th (NS) and six on Mar 30th clearly counts these birds as spring arrivals. Five territories were identified during the spring, and the last two birds of the autumn were seen on Aug 26th (RJG).

### **Lesser Whitethroat - *Curruca curruca***

Scarce summer visitor. This once regular summer resident and passage migrant now occurs very infrequently. There was a single report of a family group of six to eight birds on Manor Farm on Aug 16th (TBak).

### **Whitethroat - *Curruca communis***

Very common summer visitor. The first spring record was of three birds on Apr 13th (RJG). There were several reports of family groups or young birds being fed and five territories were estimated. On May 28th, 16 birds were counted around the site (RMH). The last bird was reported on Aug 18th (MJH).



## **Sylviidae – Sylviid Warblers, Parrotbills, Allies (continued)**

### **Dartford Warbler - *Curruca undata***

Scarce visitor. There were three reports, all from Manor Farm, of this species that is recorded less than annually. Singles were reported at the western end on Jul 8th (NS) and Dec 28th (RJG), and near East Fen on Dec 11th (RD).

## **Regulidae – Kinglets**

### **Firecrest - *Regulus ignicapilla***

Scarce visitor. Just one bird was reported in 2025, along the road on the northern site boundary on Jan 29th (TC).

### **Goldcrest - *Regulus regulus***

Common winter visitor and resident. Commonly seen along the river or at the STW up to the end of March and again from October, with very few spring and summer reports.

## **Sittidae – Nuthatches**

### **Nuthatch - *Sitta europaea***

Common resident. Nuthatches were reported in small numbers all year, and an adult was feeding young on Apr 24th.

## **Certhiidae – Treecreepers**

### **Treecreeper - *Certhia familiaris***

Resident in small numbers. There were 13 reports of Treecreepers in 2025, mostly in ones and twos along the river, with a count of four on Mar 5th. A bird was seen carrying nesting material near the car park on Apr 1st, but there were no subsequent sightings.

## **Troglodytidae – Wrens**

### **Wren - *Troglodytes troglodytes***

Abundant resident. Eleven were counted on May 28th, and one brood was located on Jun 12th.

## **Sturnidae – Starlings**

### **Starling - *Sturnus vulgaris***

Uncommon resident and autumn/winter visitor. Surprisingly rarely reported but occasionally small parties are seen circling over the reedbeds in the afternoon. There were just four reports this year, including a pre-roost gathering of 55 birds in willows by Manor Lake.

## **Turdidae – Thrushes, Allies**

### **Mistle Thrush - *Turdus viscivorus***

Moderately common resident. There were just nine reports of Mistle Thrushes in 2025, most often in the paddock by the car park. An adult was seen with food for young on Apr 22nd.

### **Song Thrush - *Turdus philomelos***

Common resident. There were reports of up to five birds in all months except between August and October, a time when Song Thrushes typically aren't singing. Young were being fed on Apr 23rd in the car park paddock, and at least one territory was held by the river.

### **Redwing - *Turdus iliacus***

Very common winter visitor. There were few reports of Redwings in January and February, but in March they were often encountered in the paddock by the car park with a flock of 45 there on Mar 5th. The last bird of the first winter period was seen on Mar 27th (SHu). The first returning bird was seen on Oct 16th (AHarr), with nine reported the next day. A small number of reports included a maximum count of 15 on Nov 13th.

### **Blackbird - *Turdus merula***

Common resident.

### **Fieldfare - *Turdus pilaris***

Common winter visitor. This was a poor year with only four reports, including 65 that flew in from Hampshire on Feb 16th (PBT) and 30 again on the county boundary on Dec 21st (PBT).

## **Muscicapidae – Old World Flycatchers**

### **Spotted Flycatcher - *Muscicapa striata***

Scarce visitor. Three autumn birds is a relatively good showing by current standards. The STW in the southwest of Manor Farm has often attracted Spotted Flycatchers on passage, and birds were found there on Jul 12th (RD) and Sep 18th (MJH). Another was in the hedge south of the Colebrook South screen on Jul 15th (RD).

### **Robin - *Erithacus rubecula***

Very common resident. Reported all year with counts of 12 on Jan 2nd (CWil) and on May 28th (RMH), probably counts made on a circuit of the site.

### **Whinchat - *Saxicola rubetra***

Scarce passage migrant. Autumn birds were found on Manor Farm on Aug 18th (MJH) and Sep 6th (PJCr).

## **Muscicapidae – Old World Flycatchers (continued)**

### **Stonechat - *Saxicola rubicola***

Resident has bred. Stonechats were present on Manor Farm in good numbers; May was the only month without reports, possibly due to breeding birds keeping low. At most times up to four birds could be seen. On Aug 8th, seven birds in two family groups were present, and other high counts, up to 11, in August could have the same explanation. However, a record count of 17 on Aug 19th (RD) may have been due to fresh arrivals, as numbers returned to normal soon after.

## **Prunellidae – Accentors**

### **Dunnock - *Prunella modularis***

Common resident.

## **Motacillidae – Wagtails, Pipits**

### **Grey Wagtail - *Motacilla cinerea***

Moderately common resident. Ones and twos were reported all year. A bird carrying nesting material near the Bailey bridge on May 5th (PJCr) suggested that a pair bred nearby.

### **White Wagtail - *Motacilla alba alba***

Scarce passage migrant. There was a single record, a bird in from of the hide on Colebrook Lake on May 26th (HW).

### **Pied Wagtail - *Motacilla alba yarrellii***

Common resident and winter visitor. Low numbers were reported throughout the year. On Jul 28th, a group of ten birds included a family with adults feeding young.

### **Meadow Pipit - *Anthus pratensis***

Moderately common winter visitor and passage migrant that has summered. This species is not easily observed at Moor Green Lakes as it favours feeding in rank vegetation; small numbers may be seen in flight from the footpaths, but larger numbers are revealed when a closer look is taken on WeBS counts. There was a peak count of 20 on Jan 2nd (RD) and the last report of the first winter period was of 12 on Mar 5th (RJG). The first two of the autumn were noted on Sep 23rd (PJCr) with a peak of 40 on Oct 10th (JMC).

## **Fringillidae – Finches, Euphonies, Allies**

### **Brambling - *Fringilla montifringilla***

Scarce winter visitor. There were just two reports in 2025. Three birds were near the car park on Mar 17th (TC), and two were reported on Oct 25th (TCu).

## **Fringillidae – Finches, Euphonies, Allies (continued)**

### **Chaffinch - *Fringilla coelebs***

Common resident and winter visitor. Chaffinches were reported sparingly through the year. One male could be heard holding territory along the river by Manor Farm.

### **Bullfinch - *Pyrrhula pyrrhula***

Uncommon resident/winter visitor. Once a familiar sight by the car park paddock or by the river, the decline of this species continues. There was just one report, a single bird in the hedge south of the car park on Feb 2nd (PJCr).

### **Greenfinch - *Chloris chloris***

Moderately common resident breeder. At least five territories were located, including three in the scrubby area west of the car park.

### **Linnet - *Linaria cannabina***

Moderately common resident and winter visitor. Low numbers were reported in the first half of the year, but at two pairs probably bred in the scrub west of the car park. Larger flocks were present in the autumn, with 75 on Oct 2nd the highest count (PJCr).

### **Redpoll - *Acanthis flammea***

Moderately common winter visitor. In the first winter period, there were just two sightings of no more than three birds in January. The first autumn birds were 16 on Oct 11th (PBT), but by the end of October numbers along the river by Manor Farm had reached 100. On Nov 4th, it was estimated that some 400 birds were present (RD), in separate flocks along the river and in the weedy area between the Bailey bridge and East Fen; counts of up to 150 continued to be reported until the end of the year.

### **Crossbill - *Loxia curvirostra***

Scarce visitor. A party of six passed over on Aug 3rd (CJo), and another flock was heard over the river path on Aug 15th (NS).

### **Goldfinch - *Carduelis carduelis***

Common resident breeder. Some post-breeding flocks were noted in early autumn with 50 on Aug 13th (SHu) and 75 on Sep 11th (PJCr). Counts at other times of year were low and there were no reports of breeding on the site.

### **Siskin - *Spinus spinus***

Common winter visitor. There were several counts of up to 30 birds on the reserve in the first winter period, mostly along the river or near the Colebrook hide. The last report was on the relatively early date of Feb 15th (SHu). Birds were heard moving through on Sep 20th including a flock of seven (ABM), but the main winter arrival was reported at the end of October, with small flocks of up to 15 birds noted.

## Emberizidae – Old World Buntings

### Reed Bunting - *Emberiza schoeniclus*

Moderately common resident. In the winter, two birds were at the feeders on Mar 12th. Most other reports were of ones and twos on Manor Farm in the first half of the year.

### List of Observers

The following observers submitted their 2025 bird sightings, and the initials relate to sightings in the Systematic List.

|                |       |                 |       |                     |      |
|----------------|-------|-----------------|-------|---------------------|------|
| A B Merrick    | ABM   | J D Savage      |       | P Bright-Thomas     | PBT  |
| A B Tomczynski | ABT   | J Edwards       |       | P Brown             |      |
| A Bishop       |       | J M Clark       | JMC   | P Driver            |      |
| A Harrison     | AHarr | J MacLeod       |       | P J Craig           | PJCr |
| A Hutchison    |       | J Reid          |       | P Kendall           | PKe  |
| B Connor       |       | J Savage        |       | R C Watts           |      |
| B Reeve        |       | J Sollick       | JS    | R Dawson            | RD   |
| C Ezard        | CEz   | K Joshi         |       | R Dunne             |      |
| C R Gent       | CRG   | K P Duncan      | KPD   | R F Milligan        |      |
| C Jones        | CJo   | Lewis Gallagher | LGall | R H Stansfield      |      |
| C Williamson   | CWil  | M Ball          |       | R J Godden          | RJG  |
| D A M Dodds    |       | M I'Anson       |       | R M Haydon          | RMH  |
| D Calcutt      |       | M J Hubbard     | MJH   | R R Keel            |      |
| D MacLeod      | DMac  | M J Mitchell    |       | R Williams          |      |
| D Valler       |       | M Kalveitis     |       | S C Devereau        | SCD  |
| E Charlson     | EC    | M N Taylor      |       | S Huggins           | SHu  |
| G C Stephenson | GCS   | M Scarlett      |       | S Truby             | STru |
| G Holloway     | GHoll | Many Observers  | MO    | T Baker             | TBak |
| H R Netley     |       | N S Trout       | NST   | T Callister         | TC   |
| H Wright       | HW    | N Silver        | NS    | T Cummins           | TCu  |
| I Quelch       |       | O Brown         |       | Wetland Bird Survey | WeBS |
| J C Morgan     |       | P Boult         | PBou  |                     |      |



# Appendix F - Bird Species List 1990-2025

## Eversley Gravel Pits and Moor Green Lakes

Key

|    |                                                   |   |                 |
|----|---------------------------------------------------|---|-----------------|
| R  | Resident                                          | B | Breeding        |
| B? | Possible Breeding                                 | S | Summer Visitor  |
| W  | Winter Visitor                                    | P | Passage Migrant |
| V  | Recorded on 3 or fewer occasions during that year |   |                 |

Bird observations per species by year

| Species                                   | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Anatidae - Ducks, Geese, Waterfowl</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Ruddy Duck</b>                         | 1990 |     | W   | V   | V   | V   | V   | W   | W   | WP  |     |
| <i>Oxyura jamaicensis</i>                 | 2000 | WP  | V   | WP  | V   | V   | WP  | V   | WP  |     |     |
|                                           | 2010 |     | V   |     |     |     |     |     |     |     |     |
|                                           | 2020 |     | V   |     |     |     |     |     |     |     |     |
| <b>Mute Swan</b>                          | 1990 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
| <i>Cygnus olor</i>                        | 2000 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                           | 2010 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                           | 2020 | RWB | RWB | RWB | RWB | RWB | RWB |     |     |     |     |
| <b>Bewick's Swan</b>                      | 1990 |     |     | V   |     |     |     | V   |     |     |     |
| <i>Cygnus columbianus</i>                 | 2000 |     |     |     |     |     |     |     |     |     | V   |
|                                           | 2010 |     |     | V   | V   |     |     |     |     |     |     |
|                                           | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Whooper Swan</b>                       | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Cygnus cygnus</i>                      | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                           | 2010 |     |     |     |     | V   |     |     |     | V   |     |
|                                           | 2020 |     |     |     |     |     | V   |     |     |     |     |
| <b>Brent Goose</b>                        | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Branta bernicla</i>                    | 2000 |     |     | V   |     | V   |     |     | V   |     |     |
|                                           | 2010 |     |     | V   |     |     |     | V   |     |     |     |
|                                           | 2020 |     |     |     |     |     | V   |     |     |     |     |
| <b>Canada Goose</b>                       | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Branta canadensis</i>                  | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                           | 2010 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                           | 2020 | RB  | RB  | RB  | RB  | RB  | RB  |     |     |     |     |
| <b>Barnacle Goose</b>                     | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Branta leucopsis</i>                   | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | R   | R   | R   |
|                                           | 2010 | R   | R   | RB  | R   | R   | R   | R   | R   | R   | R   |
|                                           | 2020 | R   | R   | R   | W   | W   | W   |     |     |     |     |
| <b>Snow Goose</b>                         | 1990 | R   | R   | R   | R   | RB  | RB  | RB  | RB  | R   | R   |
| <i>Anser caerulescens</i>                 | 2000 | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   |
|                                           | 2010 | R   | R   | RB  | R   | R   | R   | R   | R   | R   | R   |
|                                           | 2020 | R   | R   |     |     |     |     |     |     |     |     |

| Species                                               | Year | 0   | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9   |
|-------------------------------------------------------|------|-----|-----|-----|----|----|-----|----|----|----|-----|
| <b>Anatidae - Ducks, Geese, Waterfowl (continued)</b> |      |     |     |     |    |    |     |    |    |    |     |
| <b>Greylag Goose</b>                                  | 1990 |     | V   | V   | V  | V  | V   | V  | P  | P  | P   |
| <i>Anser anser</i>                                    | 2000 | P   | P   | P   | R  | RB | R   | R  | RB | RB | RB  |
|                                                       | 2010 | RB  | RB  | RB  | RB | RB | R   | R  | RB | R  | R   |
|                                                       | 2020 | R   | R   | RB  | RB | RB | RB  |    |    |    |     |
| <b>Lesser White-fronted Goose</b>                     | 1990 |     |     |     |    |    |     |    |    |    |     |
| <i>Anser erythropus</i>                               | 2000 |     |     |     |    |    |     | V  |    |    |     |
|                                                       | 2010 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2020 |     |     |     |    |    |     |    |    |    |     |
| <b>White-fronted Goose</b>                            | 1990 | V   |     |     |    |    |     |    |    |    |     |
| <i>Anser albifrons</i>                                | 2000 |     |     |     |    |    |     |    |    |    | V   |
|                                                       | 2010 |     |     |     |    |    |     |    | V  |    |     |
|                                                       | 2020 |     |     |     |    |    |     |    |    |    |     |
| <b>Pink-footed Goose</b>                              | 1990 |     |     | V   |    |    |     |    |    |    |     |
| <i>Anser brachyrhynchus</i>                           | 2000 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2010 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2020 |     |     |     |    |    |     |    |    |    |     |
| <b>Taiga Bean Goose</b>                               | 1990 |     |     |     |    |    |     | V  |    |    |     |
| <i>Anser fabalis</i>                                  | 2000 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2010 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2020 |     |     |     |    |    |     |    |    |    |     |
| <b>Mandarin Duck</b>                                  | 1990 | V   | SB  | SB  | SB | SB | SB  | SB | SB | SB | SB  |
| <i>Aix galericulata</i>                               | 2000 | SB  | SB  | RB  | RB | RB | RB  | RB | RB | RB | RWB |
|                                                       | 2010 | RWB | RWB | RWB | RB | RB | RB  | RB | RB | RB | RB  |
|                                                       | 2020 | RB  | RB  | R   | RB | R  | RB? |    |    |    |     |
| <b>Wood Duck</b>                                      | 1990 |     |     | V   | V  |    |     |    |    |    | V   |
| <i>Aix sponsa</i>                                     | 2000 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2010 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2020 |     |     |     |    |    |     |    |    |    |     |
| <b>Egyptian Goose</b>                                 | 1990 | V   |     | V   |    |    |     |    | P  | V  | V   |
| <i>Alopochen aegyptiaca</i>                           | 2000 |     | SW  | R   | SW | RB | RB  | RB | RB | RB | RB  |
|                                                       | 2010 | RB  | RB  | RB  | RB | RB | RB  | RB | RB | RB | RB  |
|                                                       | 2020 | R   | RB  | RB  | RB | RB | RB  |    |    |    |     |
| <b>Shelduck</b>                                       | 1990 |     | V   | V   | S  | S  | P   | P  | SP | SP |     |
| <i>Tadorna tadorna</i>                                | 2000 | V   | V   | V   | V  | V  | V   | S  | SP | SP | SP  |
|                                                       | 2010 | SP  | SP  | SP  | SW | SW | SB  | S  | SB | SB | SB  |
|                                                       | 2020 | SB  | S   | SB  | S  | S  | S   |    |    |    |     |
| <b>Ruddy Shelduck</b>                                 | 1990 | V   |     |     |    |    |     | V  |    |    |     |
| <i>Tadorna ferruginea</i>                             | 2000 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2010 |     |     |     |    |    |     |    |    |    | V   |
|                                                       | 2020 |     |     |     |    |    |     |    |    |    |     |
| <b>Long-tailed Duck</b>                               | 1990 |     |     | V   |    |    |     |    |    |    |     |
| <i>Clangula hyemalis</i>                              | 2000 |     |     |     |    |    |     |    |    |    |     |
|                                                       | 2010 |     |     |     |    |    |     |    | V  |    |     |
|                                                       | 2020 |     |     |     |    |    |     |    |    |    |     |

| Species                                               | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Anatidae - Ducks, Geese, Waterfowl (continued)</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Common Scoter</b>                                  | 1990 |     | V   | V   |     | V   |     |     |     |     |     |
| <i>Melanitta nigra</i>                                | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                                       | 2010 |     |     |     |     |     |     | V   |     |     |     |
|                                                       | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Goldeneye</b>                                      | 1990 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
| <i>Bucephala clangula</i>                             | 2000 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
|                                                       | 2010 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
|                                                       | 2020 | W   | W   | V   |     |     | V   |     |     |     |     |
| <b>Smew</b>                                           | 1990 |     | V   |     | V   | W   |     | W   | W   | W   | W   |
| <i>Mergellus albellus</i>                             | 2000 |     |     |     |     |     |     | V   |     |     | V   |
|                                                       | 2010 |     | V   | W   | V   | W   | W   | W   |     |     |     |
|                                                       | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Red-breasted Merganser</b>                         | 1990 |     | V   |     | V   |     |     |     | V   |     |     |
| <i>Mergus serrator</i>                                | 2000 |     |     |     |     | V   |     |     |     |     |     |
|                                                       | 2010 |     |     |     | V   |     |     |     |     |     |     |
|                                                       | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Goosander</b>                                      | 1990 | W   | W   | W   | W   | W   | W   | SW  | W   | W   | W   |
| <i>Mergus merganser</i>                               | 2000 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
|                                                       | 2010 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
|                                                       | 2020 | W   | W   | W   | RWB | W   | W   |     |     |     |     |
| <b>Red-crested Pochard</b>                            | 1990 | V   |     |     |     |     |     |     |     | V   | V   |
| <i>Netta rufina</i>                                   | 2000 |     |     |     |     |     |     | W   |     | V   | V   |
|                                                       | 2010 | W   | W   | V   |     | V   |     | V   |     | V   | V   |
|                                                       | 2020 | V   | V   | V   |     |     |     |     |     |     |     |
| <b>Pochard</b>                                        | 1990 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
| <i>Aythya ferina</i>                                  | 2000 | W   | W   | W   | SW  | WP  | WP  | WP  | WP  | WP  | WP  |
|                                                       | 2010 | WP  | WP  | WP  | SW  | WP  | WP  | WP  | RWB | RWB | RW  |
|                                                       | 2020 | RWB | RW  | RW  | RW  | RW  | W   |     |     |     |     |
| <b>Ring-necked Duck</b>                               | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Aythya collaris</i>                                | 2000 |     |     |     |     |     |     | V   |     |     |     |
|                                                       | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                                       | 2020 |     |     | V   | V   |     | V   |     |     |     |     |
| <b>Tufted Duck</b>                                    | 1990 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
| <i>Aythya fuligula</i>                                | 2000 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                       | 2010 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                       | 2020 | RWB | RWB | RWB | RWB | RWB | RWB |     |     |     |     |
| <b>Scaup</b>                                          | 1990 |     | V   |     | V   |     |     |     |     | V   |     |
| <i>Aythya marila</i>                                  | 2000 | V   |     |     |     |     |     |     |     |     |     |
|                                                       | 2010 |     |     |     |     | V   | V   |     |     | W   | W   |
|                                                       | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Garganey</b>                                       | 1990 |     |     |     |     | V   |     |     |     |     |     |
| <i>Spatula querquedula</i>                            | 2000 |     |     | V   | V   |     | V   | S   | V   |     |     |
|                                                       | 2010 | V   | V   | V   |     | V   | V   |     | V   | V   |     |
|                                                       | 2020 | V   |     | V   | P   | P   | P   |     |     |     |     |

| Species                                               | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Anatidae - Ducks, Geese, Waterfowl (continued)</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Shoveler</b>                                       | 1990 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
| <i>Spatula clypeata</i>                               | 2000 | W   | W   | W   | W   | W   | W   | W   | W   | SW  | W   |
|                                                       | 2010 | SW  | W   | W   | SW  | W   | W   | W   | W   | W   | WP  |
|                                                       | 2020 | W   | W   | W   | RW  | RW  | W   |     |     |     |     |
| <b>Gadwall</b>                                        | 1990 | RW  | RW  | RW  | RW  | RW  | RW  | RW  | RW  | RW  | RW  |
| <i>Mareca strepera</i>                                | 2000 | RW  | RW  | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                       | 2010 | RWB | RWB | RW  | RWB | RW  | RW  | RW  | RW  | RW  | RWB |
|                                                       | 2020 | RWB | RWB | RWB | RWB | RWB | RWB |     |     |     |     |
| <b>Wigeon</b>                                         | 1990 | W   | W   | W   | W   | W   | W   | W   | W   | W   | W   |
| <i>Mareca penelope</i>                                | 2000 | W   | W   | W   | W   | W   | W   | W   | SW  | W   | SW  |
|                                                       | 2010 | SW  | W   | W   | WP  | W   | W   | W   | W   | W   | W   |
|                                                       | 2020 | W   | W   | W   | SW  | W   | W   |     |     |     |     |
| <b>Mallard</b>                                        | 1990 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
| <i>Anas platyrhynchos</i>                             | 2000 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                       | 2010 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                       | 2020 | RWB | RWB | RWB | RWB | RWB | RWB |     |     |     |     |
| <b>Pintail</b>                                        | 1990 |     | V   |     | V   | V   | W   | V   | V   | V   |     |
| <i>Anas acuta</i>                                     | 2000 | WP  | V   | V   | V   | W   | W   | W   | W   | WP  | V   |
|                                                       | 2010 | V   | W   | W   | WP  | V   | W   | V   | V   |     | V   |
|                                                       | 2020 | V   | V   | V   | V   | W   | W   |     |     |     |     |
| <b>Teal</b>                                           | 1990 | W   | W   | W   | W   | W   | W   | RWB | RW  | W   | W   |
| <i>Anas crecca</i>                                    | 2000 | RW  | RW  | RW  | RW  | W   | W   | W   | W   | W   | RW  |
|                                                       | 2010 | RW  | RW  | RW  | RWB | RW  | RW  | RW  | RW  | RW  | RW  |
|                                                       | 2020 | RW  | RWB | RW  | RW  | RW  | RW  |     |     |     |     |
| <b>Green-winged Teal (note 1)</b>                     | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Anas crecca carolinensis</i>                       | 2000 |     | W   | W   |     |     |     |     |     |     |     |
|                                                       | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                                       | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Phasianidae - Pheasants, Grouse, Allies</b>        |      |     |     |     |     |     |     |     |     |     |     |
| <b>Grey Partridge</b>                                 | 1990 | RB  | RB  | RB  | RB  | R?  |     |     |     |     |     |
| <i>Perdix perdix</i>                                  | 2000 |     |     |     | V   |     |     |     |     |     |     |
|                                                       | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                                       | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Pheasant</b>                                       | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Phasianus colchicus</i>                            | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                                       | 2010 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                                       | 2020 | RB  | R   | R   | R   | R   | R   |     |     |     |     |
| <b>Red-legged Partridge</b>                           | 1990 | RB  | RB  | RB  | RB? | V   |     | V   |     |     |     |
| <i>Alectoris rufa</i>                                 | 2000 |     |     | R   | R   | RB? | RB? | RB? | RB? | RB? | RB? |
|                                                       | 2010 | RB? | RB? | R   | R   | V   | V   |     | V   | V   | V   |
|                                                       | 2020 |     |     |     |     |     |     |     |     |     |     |

| Species                            | Year | 0  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8  | 9  |
|------------------------------------|------|----|-----|-----|-----|-----|-----|-----|-----|----|----|
| <b>Podicipedidae - Grebes</b>      |      |    |     |     |     |     |     |     |     |    |    |
| <b>Little Grebe</b>                | 1990 | RB | RB  | RB  | RB  | RB  | RB  | RB? | RB  | RB | RB |
| <i>Tachybaptus ruficollis</i>      | 2000 | RB | RB  | RB  | RB  | RB? | RB  | RB  | RB  | RB | RB |
|                                    | 2010 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2020 | RB | RB  | RB  | RB  | R   | R   |     |     |    |    |
| <b>Slavonian Grebe</b>             | 1990 |    |     |     |     |     |     |     |     |    |    |
| <i>Podiceps auritus</i>            | 2000 |    |     |     |     | V   |     |     |     |    |    |
|                                    | 2010 |    | V   |     |     |     |     |     |     |    |    |
|                                    | 2020 |    |     |     |     |     |     |     |     |    |    |
| <b>Red-necked Grebe</b>            | 1990 |    |     |     |     |     | V   |     |     |    |    |
| <i>Podiceps grisegena</i>          | 2000 |    |     |     |     |     |     |     |     |    |    |
|                                    | 2010 |    |     |     |     |     |     |     |     |    |    |
|                                    | 2020 |    |     |     |     |     |     |     |     |    |    |
| <b>Great Crested Grebe</b>         | 1990 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
| <i>Podiceps cristatus</i>          | 2000 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2010 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2020 | RB | RB  | RB  | RB  | R   | R   |     |     |    |    |
| <b>Black-necked Grebe</b>          | 1990 |    |     |     |     |     |     |     | V   |    |    |
| <i>Podiceps nigricollis</i>        | 2000 |    |     |     | V   |     | V   |     |     |    |    |
|                                    | 2010 |    |     | V   | V   |     |     |     |     |    | V  |
|                                    | 2020 |    |     |     |     |     |     |     |     |    |    |
| <b>Cuculidae - Cuckoos</b>         |      |    |     |     |     |     |     |     |     |    |    |
| <b>Cuckoo</b>                      | 1990 | SB | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB | SB |
| <i>Cuculus canorus</i>             | 2000 | SB | SB? | SB? | SB? | SB? | SB? | SB? | SB? | SB | SB |
|                                    | 2010 | SB | SB  | S   | V   | S   | V   |     |     | V  | V  |
|                                    | 2020 | SP | SP  | SP  | SP  | SP  | SP  |     |     |    |    |
| <b>Columbidae - Pigeons, Doves</b> |      |    |     |     |     |     |     |     |     |    |    |
| <b>Turtle Dove</b>                 | 1990 | S  | S   |     | V   | V   | V   | V   | V   |    | V  |
| <i>Streptopelia turtur</i>         | 2000 | V  | V   | V   |     |     |     |     |     |    |    |
|                                    | 2010 |    |     |     |     |     |     |     |     |    |    |
|                                    | 2020 |    |     |     |     |     |     |     |     |    |    |
| <b>Collared Dove</b>               | 1990 |    | R   | R   | R   | R   | R   | R   | R   | RB | RB |
| <i>Streptopelia decaocto</i>       | 2000 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2010 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | V  |
|                                    | 2020 | V  | R   |     |     | V   |     |     |     |    |    |
| <b>Woodpigeon</b>                  | 1990 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
| <i>Columba palumbus</i>            | 2000 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2010 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2020 | RB | RB  | RB  | RB  | RB  | RB  |     |     |    |    |
| <b>Stock Dove</b>                  | 1990 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
| <i>Columba oenas</i>               | 2000 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2010 | RB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB | RB |
|                                    | 2020 | RB | RB  | RB  | RB  | RB  | RB  |     |     |    |    |



| Species                                   | Year | 0   | 1   | 2   | 3    | 4   | 5    | 6   | 7   | 8   | 9   |
|-------------------------------------------|------|-----|-----|-----|------|-----|------|-----|-----|-----|-----|
| <b>Gruidae - Cranes</b>                   |      |     |     |     |      |     |      |     |     |     |     |
| <b>Common Crane</b>                       | 1990 |     |     |     |      |     |      |     |     |     |     |
| <i>Grus grus</i>                          | 2000 |     |     |     |      |     |      |     |     |     |     |
|                                           | 2010 |     |     | V   |      |     |      |     |     |     |     |
|                                           | 2020 |     |     |     |      |     |      |     |     |     |     |
| <b>Rallidae - Rails</b>                   |      |     |     |     |      |     |      |     |     |     |     |
| <b>Water Rail</b>                         | 1990 | W   | W   | W   | W    | W   | W    | W   | W   | W   | W   |
| <i>Rallus aquaticus</i>                   | 2000 | W   | W   | W   | W    | W   | W    | W   | W   | W   | W   |
|                                           | 2010 | W   | W   | W   | W    | W   | W    | W   | W   | W   | W   |
|                                           | 2020 | W   | W   | W   | RWB? | RWB | RWB? |     |     |     |     |
| <b>Moorhen</b>                            | 1990 | RB  | RB  | RB  | RB   | RB  | RB   | RB  | RB  | RB  | RB  |
| <i>Gallinula chloropus</i>                | 2000 | RB  | RB  | RB  | RB   | RB  | RB   | RB  | RB  | RB  | RB  |
|                                           | 2010 | RB  | RB  | RB  | RB   | RB  | RB   | RB  | RB  | RB  | RB  |
|                                           | 2020 | RB  | RB  | RB  | RB   | RB  | RB?  |     |     |     |     |
| <b>Coot</b>                               | 1990 | RWB | RWB | RWB | RWB  | RWB | RWB  | RWB | RWB | RWB | RWB |
| <i>Fulica atra</i>                        | 2000 | RWB | RWB | RWB | RWB  | RWB | RWB  | RWB | RWB | RWB | RWB |
|                                           | 2010 | RWB | RWB | RWB | RWB  | RWB | RWB  | RWB | RWB | RWB | RWB |
|                                           | 2020 | RWB | RWB | RWB | RWB  | RWB | RWB  |     |     |     |     |
| <b>Recurvirostridae - Stilts, Avocets</b> |      |     |     |     |      |     |      |     |     |     |     |
| <b>Avocet</b>                             | 1990 |     |     | V   |      |     |      |     |     |     |     |
| <i>Recurvirostra avosetta</i>             | 2000 |     |     |     |      |     |      |     | V   |     |     |
|                                           | 2010 | V   | V   | V   |      | V   |      |     |     |     |     |
|                                           | 2020 |     |     |     |      | V   | V    |     |     |     |     |
| <b>Black-winged Stilt</b>                 | 1990 |     |     |     |      |     |      |     |     |     |     |
| <i>Himantopus himantopus</i>              | 2000 |     |     |     |      |     |      |     |     |     |     |
|                                           | 2010 |     |     |     |      |     |      |     |     |     | V   |
|                                           | 2020 |     |     |     |      |     |      |     |     |     |     |
| <b>Haematopodidae - Oystercatchers</b>    |      |     |     |     |      |     |      |     |     |     |     |
| <b>Oystercatcher</b>                      | 1990 | V   | V   | V   |      | V   | V    |     |     |     |     |
| <i>Haematopus ostralegus</i>              | 2000 | V   |     | V   | V    | P   | P    | V   | V   | V   | V   |
|                                           | 2010 | P   | V   | V   | S    | SB  | SB   | SB  | SB  | SB  | SB  |
|                                           | 2020 | SB  | SB  | SB  | S    | SB  | SB   |     |     |     |     |
| <b>Charadriidae - Plovers, Lapwings</b>   |      |     |     |     |      |     |      |     |     |     |     |
| <b>Grey Plover</b>                        | 1990 |     | V   |     |      | V   | V    | V   |     | V   | V   |
| <i>Pluvialis squatarola</i>               | 2000 |     |     |     |      |     |      |     |     |     | V   |
|                                           | 2010 |     |     |     |      |     |      | V   |     |     | V   |
|                                           | 2020 |     |     |     |      |     |      |     |     |     |     |

| Species                                             | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-----------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Charadriidae - Plovers, Lapwings (continued)</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Golden Plover</b>                                | 1990 | V   |     |     | V   | V   | W   | V   | W   | W   | V   |
| <i>Pluvialis apricaria</i>                          | 2000 |     | V   |     |     |     | W   | V   | WP  | W   | V   |
|                                                     | 2010 |     | V   |     |     |     |     | V   | V   |     |     |
|                                                     | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Ringed Plover</b>                                | 1990 | SBP | SBP | SB  | SB  | SB  | SB  | SB  | SB  | SP  | SBP |
| <i>Charadrius hiaticula</i>                         | 2000 | SP  | SP  | P   | V   | P   | SP  | SP  | SP  | SP  | SP  |
|                                                     | 2010 | SP  | P   | P   | P   | P   | P   | P   | P   | P   | P   |
|                                                     | 2020 | P   |     | P   | P   | V   | V   |     |     |     |     |
| <b>Little Ringed Plover</b>                         | 1990 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SBP | SBP | SBP |
| <i>Thinornis dubius</i>                             | 2000 | SBP | SB  | SB  | SB  | SB  | SB  | SBP | SBP | SBP | SBP |
|                                                     | 2010 | SBP | SB  | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP |
|                                                     | 2020 | SBP | SBP | SBP | SBP | SBP | SP  |     |     |     |     |
| <b>Lapwing</b>                                      | 1990 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
| <i>Vanellus vanellus</i>                            | 2000 | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                     | 2010 | RWB | RWB | RWB | RW  | RW  | RWB | RWB | RW  | RW  | RWB |
|                                                     | 2020 | RWB | RWB | RWB | RWB | RWB | RW  |     |     |     |     |
| <b>Scolopacidae - Sandpipers, Allies</b>            |      |     |     |     |     |     |     |     |     |     |     |
| <b>Whimbrel</b>                                     | 1990 | P   |     | V   | V   | P   |     | V   |     | V   |     |
| <i>Numenius phaeopus</i>                            | 2000 | V   |     |     | V   | V   | P   | V   | V   | V   | V   |
|                                                     | 2010 | P   | P   | V   | V   | V   | P   | V   | V   | V   | V   |
|                                                     | 2020 | V   | V   | P   | V   | V   |     |     |     |     |     |
| <b>Curlew</b>                                       | 1990 | V   | V   |     | V   |     | V   | WP  | WP  | V   |     |
| <i>Numenius arquata</i>                             | 2000 |     |     | V   |     |     | V   | P   | P   |     | V   |
|                                                     | 2010 | V   | V   | V   | V   | V   | P   | V   |     | V   |     |
|                                                     | 2020 |     |     | V   | V   |     |     |     |     |     |     |
| <b>Bar-tailed Godwit</b>                            | 1990 |     |     |     | V   |     |     |     |     |     |     |
| <i>Limosa lapponica</i>                             | 2000 |     |     |     |     | V   |     | V   |     |     |     |
|                                                     | 2010 |     |     |     |     | V   |     |     |     |     |     |
|                                                     | 2020 |     | V   | V   | V   |     |     |     |     |     |     |
| <b>Black-tailed Godwit</b>                          | 1990 |     | V   | V   | V   |     |     |     | V   |     | V   |
| <i>Limosa limosa</i>                                | 2000 |     | V   | V   | V   | V   | P   | V   | P   | P   | V   |
|                                                     | 2010 | V   | V   | V   | P   |     | V   | P   | P   | P   | P   |
|                                                     | 2020 | P   | P   | V   | P   | V   | V   |     |     |     |     |
| <b>Jack Snipe</b>                                   | 1990 | W   | W   |     |     |     | V   | V   |     | W   | W   |
| <i>Lymnocyrtus minimus</i>                          | 2000 |     |     |     | V   | V   | V   |     | V   | W   | V   |
|                                                     | 2010 | V   |     | V   | W   | W   | W   | W   |     |     |     |
|                                                     | 2020 |     |     |     |     | V   | W   |     |     |     |     |
| <b>Woodcock</b>                                     | 1990 |     |     |     | S   | S   | S   |     |     |     |     |
| <i>Scolopax rusticola</i>                           | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                                     | 2010 | V   | SW  |     |     | W   | W   | W   | W   |     |     |
|                                                     | 2020 |     |     |     |     |     | V   |     |     |     |     |

| Species                                              | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Scolopacidae - Sandpipers, Allies (continued)</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Snipe</b>                                         | 1990 | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  |
| <i>Gallinago gallinago</i>                           | 2000 | WP  | WP  | WP  | WP  | WP  | RW  | RW  | RW  | RSW | WP  |
|                                                      | 2010 | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  |
|                                                      | 2020 | WP  | WP  | WP  | WP  | WP  | WP  |     |     |     |     |
| <b>Common Sandpiper</b>                              | 1990 | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   |
| <i>Actitis hypoleucos</i>                            | 2000 | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   |
|                                                      | 2010 | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   |
|                                                      | 2020 | P   | P   | P   | P   | P   | P   |     |     |     |     |
| <b>Red-necked Phalarope</b>                          | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Phalaropus lobatus</i>                            | 2000 | V   |     |     |     |     |     |     |     |     |     |
|                                                      | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                                      | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Green Sandpiper</b>                               | 1990 | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  |
| <i>Tringa ochropus</i>                               | 2000 | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  |
|                                                      | 2010 | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  |
|                                                      | 2020 | WP  | WP  | WP  | WP  | WP  | WP  |     |     |     |     |
| <b>Wood Sandpiper</b>                                | 1990 | V   | V   | V   | V   | V   |     | V   | V   | V   |     |
| <i>Tringa glareola</i>                               | 2000 | V   |     | V   | V   | V   | V   | V   | V   |     | V   |
|                                                      | 2010 |     | V   | V   | V   | V   | V   | V   | P   | V   | P   |
|                                                      | 2020 |     | V   | V   | V   |     |     |     |     |     |     |
| <b>Redshank</b>                                      | 1990 | P   | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP |
| <i>Tringa totanus</i>                                | 2000 | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP |
|                                                      | 2010 | SBP | SBP | SP  | SP  | SP  | SBP | SBP | SP  | SP  | SP  |
|                                                      | 2020 | SP  | SP  | SP  | SBP | SP  | V   |     |     |     |     |
| <b>Lesser Yellowlegs</b>                             | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Tringa flavipes</i>                               | 2000 |     | V   |     |     |     |     |     |     |     |     |
|                                                      | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                                      | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Spotted Redshank</b>                              | 1990 |     | V   |     |     |     | V   |     | V   |     |     |
| <i>Tringa erythropus</i>                             | 2000 |     |     |     |     | V   |     | V   | V   |     |     |
|                                                      | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                                      | 2020 | V   |     |     | V   |     |     |     |     |     |     |
| <b>Greenshank</b>                                    | 1990 | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   |
| <i>Tringa nebularia</i>                              | 2000 | P   | P   | V   | V   | V   | P   | P   | P   | P   | V   |
|                                                      | 2010 | P   | P   | V   | P   | P   | P   | P   | P   | P   | P   |
|                                                      | 2020 | P   | P   | V   | P   | P   | V   |     |     |     |     |
| <b>Turnstone</b>                                     | 1990 | V   |     | V   | V   | V   | V   |     | V   |     |     |
| <i>Arenaria interpres</i>                            | 2000 |     | V   |     |     |     |     | V   | V   | V   |     |
|                                                      | 2010 | V   |     | V   |     |     | V   | V   |     | V   | V   |
|                                                      | 2020 |     |     |     | V   |     |     |     |     |     |     |

| Species                                              | Year | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------------------------------------------------------|------|---|---|---|---|---|---|---|---|---|---|
| <b>Scolopacidae - Sandpipers, Allies (continued)</b> |      |   |   |   |   |   |   |   |   |   |   |
| <b>Knot</b>                                          | 1990 |   |   | V |   |   |   |   |   |   |   |
| <i>Calidris canutus</i>                              | 2000 |   |   |   |   |   |   |   | V |   |   |
|                                                      | 2010 |   |   |   |   |   |   |   |   |   |   |
|                                                      | 2020 |   | V |   |   |   |   |   |   |   |   |
| <b>Ruff</b>                                          | 1990 |   |   | V |   | V | V | P | V | W | V |
| <i>Calidris pugnax</i>                               | 2000 | V | V |   |   | V |   | V | V |   | W |
|                                                      | 2010 |   |   |   | V |   | P | V | V | V | P |
|                                                      | 2020 |   |   | V | V | V |   |   |   |   |   |
| <b>Curlew Sandpiper</b>                              | 1990 |   |   |   |   |   | V |   | V |   |   |
| <i>Calidris ferruginea</i>                           | 2000 |   | V |   |   |   |   |   | V |   |   |
|                                                      | 2010 |   |   |   |   |   |   | V |   |   |   |
|                                                      | 2020 |   |   |   |   |   |   |   |   |   |   |
| <b>Temminck's Stint</b>                              | 1990 |   | V | V | V |   |   |   |   |   |   |
| <i>Calidris temminckii</i>                           | 2000 |   | V |   |   |   |   |   |   | V |   |
|                                                      | 2010 |   |   |   |   |   |   |   |   |   |   |
|                                                      | 2020 |   |   |   |   |   |   |   |   |   |   |
| <b>Sanderling</b>                                    | 1990 |   |   |   | V |   | V | V | V |   |   |
| <i>Calidris alba</i>                                 | 2000 |   | V |   |   |   |   | V | V | V | V |
|                                                      | 2010 |   | V | V | V | V |   | V |   | V |   |
|                                                      | 2020 |   |   |   | V |   |   |   |   |   |   |
| <b>Dunlin</b>                                        | 1990 | P | P | P | P | P | P | P | P | P | P |
| <i>Calidris alpina</i>                               | 2000 | P | P | P | P | P | P | P | P | P | P |
|                                                      | 2010 | P | P | P | V | P | P | P | P | P | P |
|                                                      | 2020 | P | P | P | P |   | V |   |   |   |   |
| <b>Pectoral Sandpiper</b>                            | 1990 |   |   |   |   |   |   |   |   |   |   |
| <i>Calidris melanotos</i>                            | 2000 |   |   |   | V |   |   |   |   |   |   |
|                                                      | 2010 |   |   |   |   |   |   |   | V |   |   |
|                                                      | 2020 |   |   |   |   |   |   |   |   |   |   |
| <b>Little Stint</b>                                  | 1990 |   |   | V | V |   |   | P | V | P |   |
| <i>Calidris minuta</i>                               | 2000 |   |   | V |   |   |   | V | V | V | V |
|                                                      | 2010 |   |   |   |   |   |   | V | V |   |   |
|                                                      | 2020 |   |   | V |   |   |   |   |   |   |   |
| <b>Stercorariidae - Skuas, Jaegers</b>               |      |   |   |   |   |   |   |   |   |   |   |
| <b>Great Skua</b>                                    | 1990 |   |   |   |   |   |   |   |   |   | V |
| <i>Stercorarius skua</i>                             | 2000 |   |   |   |   |   |   |   |   |   |   |
|                                                      | 2010 |   |   |   |   |   |   |   |   |   |   |
|                                                      | 2020 |   |   |   |   |   |   |   |   |   |   |

| Species                                 | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-----------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Laridae - Gulls, Terns, Skimmers</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Little Tern</b>                      | 1990 |     |     |     | V   | V   |     |     |     |     |     |
| <i>Sternula albifrons</i>               | 2000 |     |     |     |     |     |     | V   |     |     |     |
|                                         | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                         | 2020 |     |     |     |     | V   |     |     |     |     |     |
| <b>Whiskered Tern</b>                   | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Chlidonias hybrida</i>               | 2000 |     |     |     |     |     | V   |     |     |     |     |
|                                         | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                         | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Black Tern</b>                       | 1990 | V   | V   | V   | P   | P   |     |     | V   | V   |     |
| <i>Chlidonias niger</i>                 | 2000 | V   | V   |     | V   |     | V   | V   |     | P   | V   |
|                                         | 2010 | V   | V   |     |     |     | V   | V   | V   | V   | V   |
|                                         | 2020 |     |     |     |     | V   |     |     |     |     |     |
| <b>Sandwich Tern</b>                    | 1990 |     | V   |     |     |     |     |     |     |     |     |
| <i>Thalasseus sandvicensis</i>          | 2000 |     |     |     |     |     | V   |     |     | V   |     |
|                                         | 2010 |     | V   |     |     |     |     |     |     |     | V   |
|                                         | 2020 |     |     | V   |     |     |     |     |     |     |     |
| <b>Arctic Tern</b>                      | 1990 |     |     |     | V   | P   | V   |     | V   |     |     |
| <i>Sterna paradisaea</i>                | 2000 |     |     |     |     |     | V   | V   | V   |     |     |
|                                         | 2010 | V   |     |     |     | V   | V   |     |     |     |     |
|                                         | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Common Tern</b>                      | 1990 | P   | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP |
| <i>Sterna hirundo</i>                   | 2000 | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP |
|                                         | 2010 | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP | SBP |
|                                         | 2020 | SBP | SBP | SBP | SBP | SBP | SBP |     |     |     |     |
| <b>Little Gull</b>                      | 1990 | V   |     |     | V   | V   |     |     | V   |     | V   |
| <i>Hydrocoloeus minutus</i>             | 2000 |     |     |     |     | P   | V   | V   | P   | P   |     |
|                                         | 2010 |     |     |     |     |     |     | V   |     |     |     |
|                                         | 2020 | V   | V   |     | V   | V   |     |     |     |     |     |
| <b>Kittiwake</b>                        | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Rissa tridactyla</i>                 | 2000 | V   |     |     |     |     |     |     |     |     |     |
|                                         | 2010 |     |     |     |     |     | V   |     |     | V   |     |
|                                         | 2020 |     |     |     | V   |     |     |     |     |     |     |
| <b>Black-headed Gull</b>                | 1990 | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   |
| <i>Chroicocephalus ridibundus</i>       | 2000 | R   | R   | R   | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                         | 2010 | RB  | RB  | R   | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                         | 2020 | RB  | RB  | RB  | RB  | RB  | RB  |     |     |     |     |
| <b>Mediterranean Gull</b>               | 1990 |     | V   | V   |     |     |     | V   | V   |     |     |
| <i>Ichthyaeetus melanocephalus</i>      | 2000 | V   | V   | V   |     |     | P   | V   |     | S   | V   |
|                                         | 2010 |     |     |     | V   | V   | V   | V   | V   | SB  | SB  |
|                                         | 2020 | V   | S   | S   | V   | V   |     |     |     |     |     |



| Species                                 | Year | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|-----------------------------------------|------|----|----|----|----|----|----|----|----|----|----|
| <b>Laridae - Gulls, Terns, Skimmers</b> |      |    |    |    |    |    |    |    |    |    |    |
| <b>Ring-billed Gull</b>                 | 1990 |    |    |    |    |    |    |    | V  |    |    |
| <i>Larus delawarensis</i>               | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                         | 2010 |    |    |    |    |    |    |    |    |    |    |
|                                         | 2020 |    |    |    |    |    |    |    |    |    |    |
| <b>Common Gull</b>                      | 1990 | W  | W  | W  | W  | W  | W  | W  | W  | W  | W  |
| <i>Larus canus</i>                      | 2000 | W  | W  | W  | W  | W  | W  | W  | W  | W  | W  |
|                                         | 2010 | W  | W  | W  | W  | W  | WP | WP | WP | WP | WP |
|                                         | 2020 | WP | WP | WP | WP | W  | WP |    |    |    |    |
| <b>Caspian Gull</b>                     | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Larus cachinnans</i>                 | 2000 |    | V  |    |    | V  |    |    | V  | V  |    |
|                                         | 2010 |    |    | V  |    |    |    |    |    |    |    |
|                                         | 2020 |    | V  |    |    |    |    |    |    |    |    |
| <b>Herring Gull</b>                     | 1990 | W  | W  | W  | W  | W  | W  | W  | W  | W  | W  |
| <i>Larus argentatus</i>                 | 2000 | W  | W  | W  | W  | W  | W  | W  | W  | W  | W  |
|                                         | 2010 | W  | SW | SW | SW | RW | RW | RW | RW | RW | RW |
|                                         | 2020 | RW | RW | RW | RW | RW | RW |    |    |    |    |
| <b>Yellow-legged Gull</b>               | 1990 | V  | V  | V  | V  | V  | V  | P  | WP | V  | V  |
| <i>Larus michahellis</i>                | 2000 | V  | SP | V  | WP | WP | WP | WP | WP | WP | WP |
|                                         | 2010 | WP | WP | P  | P  | P  | P  | P  | P  | P  | V  |
|                                         | 2020 | P  | P  | P  |    | V  | V  |    |    |    |    |
| <b>Great Black-backed Gull</b>          | 1990 | W  | W  | W  | W  | W  | W  | W  | W  | W  | W  |
| <i>Larus marinus</i>                    | 2000 | W  | V  | V  | V  | V  | V  | V  | V  | V  | V  |
|                                         | 2010 | V  |    | V  |    | V  | V  | V  | V  | V  | P  |
|                                         | 2020 | W  | V  |    | V  |    |    |    |    |    |    |
| <b>Glaucous Gull</b>                    | 1990 |    |    |    |    |    |    |    | V  |    |    |
| <i>Larus hyperboreus</i>                | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                         | 2010 |    |    |    |    |    |    |    |    |    |    |
|                                         | 2020 |    |    |    |    |    |    |    |    |    |    |
| <b>Lesser Black-backed Gull</b>         | 1990 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
| <i>Larus fuscus</i>                     | 2000 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
|                                         | 2010 | R  | RW | RW | RW | RW | RW | RW | RW | RW | RW |
|                                         | 2020 | RW | RW | RW | RW | RW | RW |    |    |    |    |
| <b>Iceland Gull</b>                     | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Larus glaucoides</i>                 | 2000 |    |    |    |    |    |    | V  |    |    |    |
|                                         | 2010 |    | V  |    |    |    |    |    |    |    |    |
|                                         | 2020 |    |    |    |    |    |    |    |    |    |    |
| <b>Ciconiidae - Storks</b>              |      |    |    |    |    |    |    |    |    |    |    |
| <b>White Stork</b>                      | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Ciconia ciconia</i>                  | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                         | 2010 |    |    |    |    |    |    |    |    |    |    |
|                                         | 2020 |    |    | V  |    | V  | V  |    |    |    |    |

| Species                                       | Year | 0  | 1   | 2  | 3  | 4  | 5  | 6  | 7   | 8  | 9  |
|-----------------------------------------------|------|----|-----|----|----|----|----|----|-----|----|----|
| <b>Phalacrocoracidae - Cormorants, Shags</b>  |      |    |     |    |    |    |    |    |     |    |    |
| <b>Shag</b>                                   | 1990 |    | V   |    |    |    |    |    |     |    |    |
| <i>Gulosus aristotelis</i>                    | 2000 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2010 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2020 |    |     |    |    |    |    |    |     |    |    |
| <b>Cormorant</b>                              | 1990 | W  | W   | W  | W  | W  | W  | W  | SW  | SW | SW |
| <i>Phalacrocorax carbo</i>                    | 2000 | SW | SW  | SW | SW | SW | SW | SW | SW  | SW | SW |
|                                               | 2010 | SW | SW  | SW | SW | R  | R  | R  | R   | R  | R  |
|                                               | 2020 | R  | R   | R  | RW | RW | RW |    |     |    |    |
| <b>Threskiornithidae - Ibises, Spoonbills</b> |      |    |     |    |    |    |    |    |     |    |    |
| <b>Glossy Ibis</b>                            | 1990 |    |     |    |    |    |    |    |     |    |    |
| <i>Plegadis falcinellus</i>                   | 2000 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2010 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2020 |    |     | V  |    |    |    |    |     |    |    |
| <b>Spoonbill</b>                              | 1990 |    |     |    |    |    |    |    |     |    |    |
| <i>Platalea leucorodia</i>                    | 2000 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2010 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2020 |    |     |    |    | V  |    |    |     |    |    |
| <b>Ardeidae - Herons, Egrets, Bitterns</b>    |      |    |     |    |    |    |    |    |     |    |    |
| <b>Bittern</b>                                | 1990 |    |     |    |    |    |    | V  |     |    |    |
| <i>Botaurus stellaris</i>                     | 2000 |    | V   | W  |    |    |    |    |     |    | V  |
|                                               | 2010 |    | V   | W  | W  |    |    |    |     |    |    |
|                                               | 2020 |    |     |    |    | V  |    |    |     |    |    |
| <b>Little Egret</b>                           | 1990 |    |     |    |    |    |    |    |     | V  |    |
| <i>Egretta garzetta</i>                       | 2000 | SW | V   | V  | SW | R  | R  | R  | R   | R  | R  |
|                                               | 2010 | R  | R   | R  | R  | R  | RW | RW | RW  | RW | RW |
|                                               | 2020 | RW | RW  | RW | RW | R  | R  |    |     |    |    |
| <b>Great White Egret</b>                      | 1990 |    |     |    |    |    |    |    |     |    |    |
| <i>Ardea alba</i>                             | 2000 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2010 |    |     |    |    |    |    |    | V   | V  | W  |
|                                               | 2020 | WP | WP  | WP | WP | W  | WP |    |     |    |    |
| <b>Cattle Egret</b>                           | 1990 |    |     |    |    |    |    |    |     |    |    |
| <i>Ardea ibis</i>                             | 2000 |    |     |    |    |    |    |    |     |    |    |
|                                               | 2010 |    |     |    |    |    |    |    |     |    | V  |
|                                               | 2020 |    |     |    |    |    |    |    |     |    |    |
| <b>Grey Heron</b>                             | 1990 | R  | R   | R  | R  | R  | R  | R  | RB  | R  | R  |
| <i>Ardea cinerea</i>                          | 2000 | R  | R   | R  | R  | R  | R  | R  | RB? | RB | RB |
|                                               | 2010 | RB | RB? | RB | R  | R  | R  | R  | RB  | RB | RB |
|                                               | 2020 | RB | RB  | R  | R  | RW | R  |    |     |    |    |

| Species                                    | Year | 0  | 1  | 2  | 3  | 4   | 5  | 6  | 7  | 8  | 9  |
|--------------------------------------------|------|----|----|----|----|-----|----|----|----|----|----|
| <b>Caprimulgidae - Nightjars, Allies</b>   |      |    |    |    |    |     |    |    |    |    |    |
| <b>Nightjar</b>                            | 1990 |    |    |    |    |     |    |    |    | V  |    |
| <i>Caprimulgus europaeus</i>               | 2000 |    |    |    |    | V   |    | V  |    |    |    |
|                                            | 2010 |    |    |    |    |     |    |    |    |    |    |
|                                            | 2020 |    |    |    |    | V   |    |    |    |    |    |
| <b>Apodidae - Swifts</b>                   |      |    |    |    |    |     |    |    |    |    |    |
| <b>Swift</b>                               | 1990 | SP | SP | SP | SP | SP  | SP | SP | SP | SP | SP |
| <i>Apus apus</i>                           | 2000 | SP | SP | SP | SP | SP  | SP | SP | SP | SP | SP |
|                                            | 2010 | SP | SP | SP | SP | SP  | SP | SP | SP | SP | SP |
|                                            | 2020 | SP | SP | SP | SP | SP  | SP |    |    |    |    |
| <b>Tytonidae - Barn-Owls</b>               |      |    |    |    |    |     |    |    |    |    |    |
| <b>Barn Owl</b>                            | 1990 |    |    | RB | RB | RB  | RB | RB | RB |    |    |
| <i>Tyto alba</i>                           | 2000 | V  | V  | V  |    | V   | W  | R  | RB | RB | RB |
|                                            | 2010 | RB | RB | RB | RB | RB  | RB | RB | RB | RB | RB |
|                                            | 2020 | R  | R  | RB | RB | RB? | R  |    |    |    |    |
| <b>Strigidae - Owls</b>                    |      |    |    |    |    |     |    |    |    |    |    |
| <b>Little Owl</b>                          | 1990 | RB | RB | RB | RB | RB  | RB | RB | RB | RB | RB |
| <i>Athene noctua</i>                       | 2000 | RB | RB | RB | RB | RB  | RB | RB | RB | RB | RB |
|                                            | 2010 | RB | RB | RB | RB | RB  | R  |    | V  |    |    |
|                                            | 2020 |    |    |    |    |     |    |    |    |    |    |
| <b>Short-eared Owl</b>                     | 1990 |    |    |    |    |     |    |    |    |    |    |
| <i>Asio flammeus</i>                       | 2000 |    |    |    |    |     | V  | V  |    |    |    |
|                                            | 2010 | V  | V  | V  |    |     | V  | V  |    |    |    |
|                                            | 2020 | V  |    |    |    | V   |    |    |    |    |    |
| <b>Tawny Owl</b>                           | 1990 | RB | RB | RB | RB | RB  | RB | RB | RB | RB | RB |
| <i>Strix aluco</i>                         | 2000 | RB | RB | RB | RB | RB  | RB | RB | RB | RB | RB |
|                                            | 2010 | RB | RB | RB | RB | RB  | RB | RB | RB | RB | RB |
|                                            | 2020 | RB | RB | R  | RB | R   | R  |    |    |    |    |
| <b>Pandionidae - Osprey</b>                |      |    |    |    |    |     |    |    |    |    |    |
| <b>Osprey</b>                              | 1990 |    |    |    | P  | V   |    | V  |    | V  |    |
| <i>Pandion haliaetus</i>                   | 2000 | P  |    |    |    | P   | V  | V  |    | V  |    |
|                                            | 2010 | V  | V  |    | V  | V   | V  |    | V  |    |    |
|                                            | 2020 |    | V  |    |    |     | V  |    |    |    |    |
| <b>Accipitridae - Hawks, Eagles, Kites</b> |      |    |    |    |    |     |    |    |    |    |    |
| <b>Honey-buzzard</b>                       | 1990 |    |    | V  |    |     |    |    |    | V  |    |
| <i>Pernis apivorus</i>                     | 2000 | V  |    |    |    |     |    |    |    |    |    |
|                                            | 2010 |    |    |    |    | V   |    | V  |    |    |    |
|                                            | 2020 |    |    |    |    |     | V  |    |    |    |    |

| Species                                                | Year | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|--------------------------------------------------------|------|----|----|----|----|----|----|----|----|----|----|
| <b>Accipitridae - Hawks, Eagles, Kites (continued)</b> |      |    |    |    |    |    |    |    |    |    |    |
| <b>Sparrowhawk</b>                                     | 1990 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
| <i>Accipiter nisus</i>                                 | 2000 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
|                                                        | 2010 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
|                                                        | 2020 | R  | R  | R  | R  | R  | R  |    |    |    |    |
| <b>Goshawk</b>                                         | 1990 |    |    |    | V  |    |    |    |    |    |    |
| <i>Astur gentilis</i>                                  | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                                        | 2010 |    |    |    |    |    |    |    |    |    |    |
|                                                        | 2020 |    |    |    |    |    |    |    |    |    |    |
| <b>Hen Harrier</b>                                     | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Circus cyaneus</i>                                  | 2000 |    | V  |    | V  |    |    |    |    | V  | V  |
|                                                        | 2010 |    |    |    |    |    |    |    |    |    |    |
|                                                        | 2020 |    |    |    |    | V  |    |    |    |    |    |
| <b>Marsh Harrier</b>                                   | 1990 |    |    |    |    |    |    |    |    | V  |    |
| <i>Circus aeruginosus</i>                              | 2000 |    |    |    |    |    |    |    |    |    | V  |
|                                                        | 2010 | V  | V  |    | P  | V  | V  |    |    | V  |    |
|                                                        | 2020 |    |    | V  | SP | SP | SP |    |    |    |    |
| <b>Red Kite</b>                                        | 1990 |    |    |    |    |    |    | V  |    | V  |    |
| <i>Milvus milvus</i>                                   | 2000 | V  |    |    | V  | V  | P  | P  | V  | P  | R  |
|                                                        | 2010 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
|                                                        | 2020 | R  | R  | R  | R  | R  | R  |    |    |    |    |
| <b>White-tailed Eagle</b>                              | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Haliaeetus albicilla</i>                            | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                                        | 2010 |    |    |    |    |    |    |    |    |    |    |
|                                                        | 2020 |    |    |    |    | V  |    |    |    |    |    |
| <b>Buzzard</b>                                         | 1990 |    |    |    |    |    |    | V  | V  | V  | V  |
| <i>Buteo buteo</i>                                     | 2000 | V  | V  | P  | R  | R  | R  | R  | R  | R  | R  |
|                                                        | 2010 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
|                                                        | 2020 | R  | R  | R  | R  | R  | R  |    |    |    |    |
| <b>Upupidae - Hoopoes</b>                              |      |    |    |    |    |    |    |    |    |    |    |
| <b>Hoopoe</b>                                          | 1990 |    |    |    |    |    | V  | V  |    |    |    |
| <i>Upupa epops</i>                                     | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                                        | 2010 |    |    |    |    |    |    |    |    |    |    |
|                                                        | 2020 |    |    |    |    |    |    |    |    |    |    |
| <b>Alcedinidae - Kingfishers</b>                       |      |    |    |    |    |    |    |    |    |    |    |
| <b>Kingfisher</b>                                      | 1990 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
| <i>Alcedo atthis</i>                                   | 2000 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                        | 2010 | RB | RB | RB | RB | RB | RB | RB | RB | RB | R  |
|                                                        | 2020 | RB | RB | R  | R  | R  | R  |    |    |    |    |

| Species                                | Year | 0  | 1  | 2  | 3  | 4   | 5   | 6  | 7  | 8   | 9  |
|----------------------------------------|------|----|----|----|----|-----|-----|----|----|-----|----|
| <b>Picidae - Woodpeckers</b>           |      |    |    |    |    |     |     |    |    |     |    |
| <b>Wryneck</b>                         | 1990 |    |    |    |    |     |     | V  |    |     |    |
| <i>Jynx torquilla</i>                  | 2000 |    |    |    |    |     |     |    |    |     |    |
|                                        | 2010 |    |    |    |    |     |     |    |    |     |    |
|                                        | 2020 |    |    |    |    |     |     |    |    |     |    |
| <b>Green Woodpecker</b>                | 1990 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
| <i>Picus viridis</i>                   | 2000 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
|                                        | 2010 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
|                                        | 2020 | RB | RB | R  | R  | R   | R   |    |    |     |    |
| <b>Great Spotted Woodpecker</b>        | 1990 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
| <i>Dendrocopos major</i>               | 2000 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
|                                        | 2010 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
|                                        | 2020 | RB | RB | R  | R  | R   | R   |    |    |     |    |
| <b>Lesser Spotted Woodpecker</b>       | 1990 | R  | R  | R  | R  | R   | R   | R  | R  | R   | R  |
| <i>Dryobates minor</i>                 | 2000 |    | V  | V  | V  | RB? | RB? | V  |    |     |    |
|                                        | 2010 | V  | V  | V  |    | V   |     |    |    |     |    |
|                                        | 2020 |    |    |    | V  | V   | V   |    |    |     |    |
| <b>Falconidae - Falcons, Caracaras</b> |      |    |    |    |    |     |     |    |    |     |    |
| <b>Kestrel</b>                         | 1990 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
| <i>Falco tinnunculus</i>               | 2000 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
|                                        | 2010 | RB | RB | RB | RB | RB  | RB  | RB | RB | RB  | RB |
|                                        | 2020 | RB | R  | R  | RB | R   | R   |    |    |     |    |
| <b>Red-footed Falcon</b>               | 1990 |    |    |    |    |     |     |    |    |     |    |
| <i>Falco vespertinus</i>               | 2000 |    |    |    |    |     |     | V  |    |     |    |
|                                        | 2010 |    |    |    |    |     |     |    |    |     |    |
|                                        | 2020 |    |    |    |    |     |     |    |    |     |    |
| <b>Merlin</b>                          | 1990 |    |    |    |    |     |     | V  |    |     |    |
| <i>Falco columbarius</i>               | 2000 |    |    | V  |    |     |     |    |    |     |    |
|                                        | 2010 |    |    |    | V  | V   |     |    |    |     |    |
|                                        | 2020 |    |    |    |    |     |     |    |    |     |    |
| <b>Hobby</b>                           | 1990 | S  | S  | S  | S  | S   | S   | S  | S  | S   | S  |
| <i>Falco subbuteo</i>                  | 2000 | S  | S  | S  | S  | S   | S   | S  | S  | SB? | S  |
|                                        | 2010 | S  | S  | S  | S  | S   | S   | S  | S  | S   | S  |
|                                        | 2020 | S  | S  | S  | S  | S   | S   |    |    |     |    |
| <b>Peregrine</b>                       | 1990 | V  |    |    | V  |     |     | V  |    | V   | V  |
| <i>Falco peregrinus</i>                | 2000 | V  | V  | V  | S  | V   | V   | V  | R  | R   | R  |
|                                        | 2010 | R  | R  | R  | R  | R   | R   | R  | R  | R   | R  |
|                                        | 2020 | R  | R  | R  | R  | R   | W   |    |    |     |    |



| Species                                           | Year | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|---------------------------------------------------|------|----|----|----|----|----|----|----|----|----|----|
| <b>Psittaculidae - Parrots, Parakeets, Allies</b> |      |    |    |    |    |    |    |    |    |    |    |
| <b>Ring-necked Parakeet</b>                       | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Psittacula krameri</i>                         | 2000 |    | V  |    |    |    |    |    |    |    |    |
|                                                   | 2010 |    |    |    |    |    |    |    | V  |    | V  |
|                                                   | 2020 | V  | V  |    |    |    | V  |    |    |    |    |
| <b>Oriolidae - Old World Orioles</b>              |      |    |    |    |    |    |    |    |    |    |    |
| <b>Golden Oriole</b>                              | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Oriolus oriolus</i>                            | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                                   | 2010 |    |    |    |    | V  |    |    |    |    |    |
|                                                   | 2020 |    |    |    |    |    |    |    |    |    |    |
| <b>Laniidae - Shrikes</b>                         |      |    |    |    |    |    |    |    |    |    |    |
| <b>Great Grey Shrike</b>                          | 1990 |    |    |    | V  |    |    |    |    |    |    |
| <i>Lanius excubitor</i>                           | 2000 |    |    |    |    |    |    |    |    |    |    |
|                                                   | 2010 |    | V  |    |    |    |    |    |    |    |    |
|                                                   | 2020 |    |    |    |    |    |    |    |    |    |    |
| <b>Corvidae - Crows, Jays, Magpies</b>            |      |    |    |    |    |    |    |    |    |    |    |
| <b>Jay</b>                                        | 1990 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
| <i>Garrulus glandarius</i>                        | 2000 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2010 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2020 | RB | RB | RB | RB | RB | RB |    |    |    |    |
| <b>Magpie</b>                                     | 1990 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
| <i>Pica pica</i>                                  | 2000 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2010 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2020 | RB | RB | RB | RB | RB | RB |    |    |    |    |
| <b>Jackdaw</b>                                    | 1990 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
| <i>Coloeus monedula</i>                           | 2000 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2010 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2020 | RB | RB | RB | RB | RB | RB |    |    |    |    |
| <b>Rook</b>                                       | 1990 | W  | W  | W  | W  | W  | W  | W  | W  | R  | R  |
| <i>Corvus frugilegus</i>                          | 2000 | R  | p  | R  | R  | R  | R  | R  | R  | R  | R  |
|                                                   | 2010 | R  | R  | R  | R  | R  | R  | R  | R  | R  | R  |
|                                                   | 2020 | R  | R  | R  | R  | R  | V  |    |    |    |    |
| <b>Raven</b>                                      | 1990 |    |    |    |    |    |    |    |    |    |    |
| <i>Corvus corax</i>                               | 2000 |    |    |    |    |    |    |    |    |    | V  |
|                                                   | 2010 | V  |    |    | V  | V  | R  | R  | R  | V  | R  |
|                                                   | 2020 | R  | R  | R  | R  | R  | R  |    |    |    |    |
| <b>Carrion Crow</b>                               | 1990 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
| <i>Corvus corone</i>                              | 2000 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2010 | RB | RB | RB | RB | RB | RB | RB | RB | RB | RB |
|                                                   | 2020 | RB | RB | RB | RB | RB | RB |    |    |    |    |

| Species                                       | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-----------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Paridae - Tits, Chickadees, Titmice</b>    |      |     |     |     |     |     |     |     |     |     |     |
| <b>Blue Tit</b>                               | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Cyanistes caeruleus</i>                    | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                               | 2010 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                               | 2020 | RB  | RB  | RB  | RB  | RB  | RB  |     |     |     |     |
| <b>Great Tit</b>                              | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Parus major</i>                            | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                               | 2010 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                               | 2020 | RB  | RB  | RB  | RB  | RB  | RB  |     |     |     |     |
| <b>Coal Tit</b>                               | 1990 | RB  | RB  | RB  | RB  | RB  | RB? | RB? | RB? | RB? | RB? |
| <i>Periparus ater</i>                         | 2000 |     | V   | V   | V   | V   | V   | V   | V   | R   | V   |
|                                               | 2010 | V   | W   | W   | W   | W   | W   | R   | R   | R   | R   |
|                                               | 2020 | R   | W   | R   | R   | R   | R   |     |     |     |     |
| <b>Marsh Tit</b>                              | 1990 |     |     |     |     |     |     |     | V   |     |     |
| <i>Poecile palustris</i>                      | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                               | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                               | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Panuridae - Bearded Reedling</b>           |      |     |     |     |     |     |     |     |     |     |     |
| <b>Bearded Tit</b>                            | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Panurus biarmicus</i>                      | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                               | 2010 |     |     |     |     |     |     |     | V   |     |     |
|                                               | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Alaudidae - Larks</b>                      |      |     |     |     |     |     |     |     |     |     |     |
| <b>Woodlark</b>                               | 1990 | V   |     |     |     |     |     | S   | P   | SB  | SB  |
| <i>Lullula arborea</i>                        | 2000 | SB  | SB  | V   |     |     |     |     |     |     |     |
|                                               | 2010 |     |     |     |     |     |     |     | V   |     |     |
|                                               | 2020 | V   | S   | V   | V   |     | V   |     |     |     |     |
| <b>Skylark</b>                                | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Alauda arvensis</i>                        | 2000 | RWB | RWB | RB  | RB  | RB  | RB  | RB  | RB  | RWB | RWB |
|                                               | 2010 | RWB | RWB | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                               | 2020 | RB  | RB  | RB? | RB? | RB? | RB? |     |     |     |     |
| <b>Shore Lark</b>                             | 1990 |     |     |     |     |     |     |     |     | V   |     |
| <i>Eremophila alpestris</i>                   | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                               | 2010 |     |     |     |     |     |     |     |     |     |     |
|                                               | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Acrocephalidae - Reed Warblers, Allies</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Sedge Warbler</b>                          | 1990 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
| <i>Acrocephalus schoenobaenus</i>             | 2000 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
|                                               | 2010 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | S   |
|                                               | 2020 | S   | S   |     | V   |     | V   |     |     |     |     |

| Species                                               | Year | 0   | 1   | 2    | 3    | 4    | 5   | 6    | 7    | 8   | 9   |
|-------------------------------------------------------|------|-----|-----|------|------|------|-----|------|------|-----|-----|
| <b>Acrocephalidae - Reed Warblers, Allies</b>         |      |     |     |      |      |      |     |      |      |     |     |
| <b>Reed Warbler</b>                                   | 1990 | SB  | SB  | SB   | SB   | SB   | SB  | SB   | SB   | SB  | SB  |
| <i>Acrocephalus scirpaceus</i>                        | 2000 | SB  | SB  | SB   | SB   | SB   | SB  | SB   | SB   | SB  | SB  |
|                                                       | 2010 | SB  | SB  | SB   | SB   | SB   | SB  | SB   | SB   | SB  | SB  |
|                                                       | 2020 | SB  | SB  | SB   | SB?  | SB?  | SB  |      |      |     |     |
| <b>Locustellidae - Grassbirds or Warblers, Allies</b> |      |     |     |      |      |      |     |      |      |     |     |
| <b>Grasshopper Warbler</b>                            | 1990 |     |     |      |      |      | V   |      | V    |     | V   |
| <i>Locustella naevia</i>                              | 2000 |     |     |      |      | V    | V   | V    | V    | V   | V   |
|                                                       | 2010 | V   | V   |      | V    |      |     | V    | V    |     |     |
|                                                       | 2020 |     |     |      | V    |      |     |      |      |     |     |
| <b>Hirundinidae - Martins, Swallows</b>               |      |     |     |      |      |      |     |      |      |     |     |
| <b>Sand Martin</b>                                    | 1990 | SP  | SBP | SB?P | SB?P | SB?P | SBP | SBP  | SBP  | SBP | SBP |
| <i>Riparia riparia</i>                                | 2000 | SBP | SBP | SBP  | SBP  | SP   | SP  | SB?P | SB?P | SBP | SP  |
|                                                       | 2010 | SP  | SP  | SP   | SBP  | SP   | SP  | SP   | SP   | SP  | SP  |
|                                                       | 2020 | SP  | SP  | SP   | SP   | SP   | SP  |      |      |     |     |
| <b>Swallow</b>                                        | 1990 | SBP | SBP | SBP  | SBP  | SBP  | SBP | SBP  | SBP  | SBP | SBP |
| <i>Hirundo rustica</i>                                | 2000 | SBP | SBP | SBP  | SBP  | SBP  | SBP | SBP  | SBP  | SBP | SBP |
|                                                       | 2010 | SBP | SP  | SP   | SP   | SP   | SP  | SP   | SP   | SP  | SP  |
|                                                       | 2020 | SP  | SP  | SP   | SP   | SP   | SP  |      |      |     |     |
| <b>House Martin</b>                                   | 1990 | SBP | SBP | SBP  | SBP  | SBP  | SBP | SBP  | SBP  | SBP | SBP |
| <i>Delichon urbicum</i>                               | 2000 | SBP | SBP | SBP  | SBP  | SBP  | SBP | SBP  | SBP  | SBP | SBP |
|                                                       | 2010 | SBP | SP  | SP   | SP   | SP   | SP  | SP   | SP   | SP  | SP  |
|                                                       | 2020 | SP  | SP  | SP   | SP   | SP   | SP  |      |      |     |     |
| <b>Aegithalidae - Long-tailed Tits</b>                |      |     |     |      |      |      |     |      |      |     |     |
| <b>Long-tailed Tit</b>                                | 1990 | RB  | RB  | RB   | RB   | RB   | RB  | RB   | RB   | RB  | RB  |
| <i>Aegithalos caudatus</i>                            | 2000 | RB  | RB  | RB   | RB   | RB   | RB  | RB   | RB   | RB  | RB  |
|                                                       | 2010 | RB  | RB  | RB   | RB   | RB   | RB  | RB   | RB   | RB  | RB  |
|                                                       | 2020 | RB  | RB  | RB   | RB   | R    | RB  |      |      |     |     |
| <b>Cettiidae - Cettiid Warblers</b>                   |      |     |     |      |      |      |     |      |      |     |     |
| <b>Cetti's Warbler</b>                                | 1990 |     |     |      |      |      |     |      |      |     |     |
| <i>Cettia cetti</i>                                   | 2000 |     |     |      |      |      |     |      |      |     |     |
|                                                       | 2010 |     | V   |      | V    |      |     |      |      |     |     |
|                                                       | 2020 |     | V   |      | V    | R    | RB  |      |      |     |     |
| <b>Phylloscopidae - Leaf Warblers</b>                 |      |     |     |      |      |      |     |      |      |     |     |
| <b>Wood Warbler</b>                                   | 1990 |     |     |      |      |      |     |      |      | V   |     |
| <i>Phylloscopus sibilatrix</i>                        | 2000 |     |     |      |      |      |     |      |      |     |     |
|                                                       | 2010 |     | V   |      | V    |      |     |      | V    |     |     |
|                                                       | 2020 |     |     |      |      |      |     |      |      |     |     |

| Species                                                  | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|----------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Phylloscopidae - Leaf Warblers (continued)</b>        |      |     |     |     |     |     |     |     |     |     |     |
| <b>Yellow-browed Warbler</b>                             | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Phylloscopus inornatus</i>                            | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                                          | 2010 |     |     |     |     |     |     | V   |     |     |     |
|                                                          | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Pallas's Warbler</b>                                  | 1990 |     |     |     |     |     |     |     |     |     |     |
| <i>Phylloscopus proregulus</i>                           | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                                          | 2010 |     |     |     | V   |     |     |     |     |     |     |
|                                                          | 2020 |     |     |     |     |     |     |     |     |     |     |
| <b>Willow Warbler</b>                                    | 1990 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
| <i>Phylloscopus trochilus</i>                            | 2000 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
|                                                          | 2010 | SB  | SB  | SB  | SB  | SB  | SP  | SP  | SBP | SP  | SP  |
|                                                          | 2020 | SP  | SP  | P   | P   | P   | P   |     |     |     |     |
| <b>Chiffchaff</b>                                        | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Phylloscopus collybita</i>                            | 2000 | SB  | SB  | SB  | SWB | SWB | SWB | SWB | SB  | SWB | SB  |
|                                                          | 2010 | SB  | SWB | SWB | SWB | SWB | SWB | SWB | SWB | SWB | SWB |
|                                                          | 2020 | SWB | SWB | SWP | SWP | SWP | SWP |     |     |     |     |
| <b>Sylviidae - Sylviid Warblers, Parrotbills, Allies</b> |      |     |     |     |     |     |     |     |     |     |     |
| <b>Garden Warbler</b>                                    | 1990 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
| <i>Sylvia borin</i>                                      | 2000 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
|                                                          | 2010 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
|                                                          | 2020 | SB  | SB  | SB  | SB  | SB  | SB  |     |     |     |     |
| <b>Blackcap</b>                                          | 1990 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
| <i>Sylvia atricapilla</i>                                | 2000 | SB  | SB  | SB  | SB  | SWB | SB  | SB  | SB  | SB  | SB  |
|                                                          | 2010 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
|                                                          | 2020 | SB  | SB  | SB  | SB  | SB  | SB  |     |     |     |     |
| <b>Lesser Whitethroat</b>                                | 1990 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
| <i>Curruca curruca</i>                                   | 2000 | SB  | SB  | SB  | SB? | V   | V   | SB  | SB  | SB  | V   |
|                                                          | 2010 | V   | V   |     | V   | V   |     |     | V   |     | V   |
|                                                          | 2020 | V   | SB? |     | V   |     | V   |     |     |     |     |
| <b>Whitethroat</b>                                       | 1990 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
| <i>Curruca communis</i>                                  | 2000 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
|                                                          | 2010 | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  | SB  |
|                                                          | 2020 | SB  | SB  | SB  | SB  | SB  | SB  |     |     |     |     |
| <b>Dartford Warbler</b>                                  | 1990 |     |     |     |     |     |     |     |     | W   |     |
| <i>Curruca undata</i>                                    | 2000 |     |     |     |     |     |     |     |     |     |     |
|                                                          | 2010 |     |     |     |     | V   | V   |     | V   | V   |     |
|                                                          | 2020 | V   |     |     |     |     | V   |     |     |     |     |

| Species                          | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9  |
|----------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| <b>Bombycillidae - Waxwings</b>  |      |     |     |     |     |     |     |     |     |     |    |
| <b>Waxwing</b>                   | 1990 |     |     |     |     |     |     | V   |     |     |    |
| <i>Bombycilla garrulus</i>       | 2000 |     |     |     |     |     |     |     |     |     |    |
|                                  | 2010 |     |     |     |     |     |     |     |     |     |    |
|                                  | 2020 |     |     |     |     |     |     |     |     |     |    |
| <b>Regulidae - Kinglets</b>      |      |     |     |     |     |     |     |     |     |     |    |
| <b>Firecrest</b>                 | 1990 |     |     |     |     | V   |     | V   | V   |     |    |
| <i>Regulus ignicapilla</i>       | 2000 |     |     |     | V   |     |     |     |     | V   |    |
|                                  | 2010 |     |     | V   | V   |     | V   |     | V   | V   | V  |
|                                  | 2020 | V   | V   | V   | V   | V   | V   |     |     |     |    |
| <b>Goldcrest</b>                 | 1990 | W   | W   | W   | W   | WP  | WP  | WP  | WP  | WP  | RP |
| <i>Regulus regulus</i>           | 2000 | RP  | RBP | RBP | RBP | RBP | RBP | RBP | RBP | RBP | RP |
|                                  | 2010 | RP  | RP  | RP  | RP  | RP  | RP  | RP  | RP  | RP  | RP |
|                                  | 2020 | RWB | RWB | RW  | RW  | RW  | RW  |     |     |     |    |
| <b>Sittidae - Nuthatches</b>     |      |     |     |     |     |     |     |     |     |     |    |
| <b>Nuthatch</b>                  | 1990 | R   | R   | R   | R   | R   | RB  | RB  | RB  | RB  | RB |
| <i>Sitta europaea</i>            | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
|                                  | 2010 | RB  | RB  | SB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
|                                  | 2020 | RB  | RB  | RB  | RB  | RB  | RB  |     |     |     |    |
| <b>Certhiidae - Treecreepers</b> |      |     |     |     |     |     |     |     |     |     |    |
| <b>Treecreeper</b>               | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
| <i>Certhia familiaris</i>        | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
|                                  | 2010 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
|                                  | 2020 | RB  | RB  | R   | R   | RB? | RB  |     |     |     |    |
| <b>Troglodytidae - Wrens</b>     |      |     |     |     |     |     |     |     |     |     |    |
| <b>Wren</b>                      | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
| <i>Troglodytes troglodytes</i>   | 2000 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
|                                  | 2010 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
|                                  | 2020 | RB  | RB  | RB  | RB  | RB  | RB  |     |     |     |    |
| <b>Sturnidae - Starlings</b>     |      |     |     |     |     |     |     |     |     |     |    |
| <b>Starling</b>                  | 1990 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB |
| <i>Sturnus vulgaris</i>          | 2000 | RB  | RB  | RB  | RB  | R   | RB  | RB  | RB  | RB  | RB |
|                                  | 2010 | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | R  |
|                                  | 2020 | R   | R   | R   | RW  | V   | R   |     |     |     |    |

| Species                                     | Year | 0  | 1   | 2  | 3   | 4  | 5   | 6  | 7  | 8  | 9  |
|---------------------------------------------|------|----|-----|----|-----|----|-----|----|----|----|----|
| <b>Turdidae - Thrushes, Allies</b>          |      |    |     |    |     |    |     |    |    |    |    |
| <b>Mistle Thrush</b>                        | 1990 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
| <i>Turdus viscivorus</i>                    | 2000 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2010 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2020 | RB | RB  | RB | RB? | RB | RB  |    |    |    |    |
| <b>Song Thrush</b>                          | 1990 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
| <i>Turdus philomelos</i>                    | 2000 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2010 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2020 | RB | RB  | RB | RB  | RB | RB  |    |    |    |    |
| <b>Redwing</b>                              | 1990 | W  | W   | W  | W   | W  | W   | W  | W  | W  | W  |
| <i>Turdus iliacus</i>                       | 2000 | W  | W   | W  | W   | W  | W   | W  | W  | W  | W  |
|                                             | 2010 | W  | W   | W  | W   | W  | W   | W  | W  | W  | W  |
|                                             | 2020 | W  | W   | W  | W   | W  | W   |    |    |    |    |
| <b>Blackbird</b>                            | 1990 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
| <i>Turdus merula</i>                        | 2000 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2010 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2020 | RB | RB  | RB | RB  | RB | RB  |    |    |    |    |
| <b>Fieldfare</b>                            | 1990 | W  | W   | W  | W   | W  | W   | W  | W  | W  | W  |
| <i>Turdus pilaris</i>                       | 2000 | W  | W   | W  | W   | W  | W   | W  | W  | W  | W  |
|                                             | 2010 | W  | W   | W  | W   | W  | W   | W  | W  | W  | W  |
|                                             | 2020 | W  | W   | W  | W   | W  | W   |    |    |    |    |
| <b>Ring Ouzel</b>                           | 1990 | V  |     |    |     |    |     |    |    | V  | V  |
| <i>Turdus torquatus</i>                     | 2000 |    |     |    |     |    |     |    |    |    |    |
|                                             | 2010 |    |     |    |     |    |     |    | V  |    |    |
|                                             | 2020 |    |     |    |     |    |     |    |    |    |    |
| <b>Muscicapidae - Old World Flycatchers</b> |      |    |     |    |     |    |     |    |    |    |    |
| <b>Spotted Flycatcher</b>                   | 1990 | P  | P   | P  | V   | S  | SB? | V  | V  | V  | SP |
| <i>Muscicapa striata</i>                    | 2000 | SP | V   | V  | SP  | P  | SP  | S  |    | V  | V  |
|                                             | 2010 |    | SB? | V  | V   |    | V   | V  | V  | V  | V  |
|                                             | 2020 | V  | V   |    | V   |    | V   |    |    |    |    |
| <b>Robin</b>                                | 1990 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
| <i>Erithacus rubecula</i>                   | 2000 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2010 | RB | RB  | RB | RB  | RB | RB  | RB | RB | RB | RB |
|                                             | 2020 | RB | RB  | RB | RB  | RB | RB  |    |    |    |    |
| <b>Nightingale</b>                          | 1990 |    |     |    |     | S  |     |    |    |    |    |
| <i>Luscinia megarhynchos</i>                | 2000 |    |     |    |     |    |     |    |    | S  |    |
|                                             | 2010 |    |     |    |     |    |     |    |    |    |    |
|                                             | 2020 |    |     | V  |     |    |     |    |    |    |    |
| <b>Black Redstart</b>                       | 1990 |    |     |    |     |    | V   |    |    |    |    |
| <i>Phoenicurus ochruros</i>                 | 2000 |    |     |    |     |    |     |    |    |    |    |
|                                             | 2010 |    | V   | V  |     |    |     | V  |    | V  |    |
|                                             | 2020 |    |     |    |     |    |     |    |    |    |    |



| Species                                     | Year | 0   | 1    | 2  | 3   | 4  | 5   | 6   | 7  | 8   | 9   |
|---------------------------------------------|------|-----|------|----|-----|----|-----|-----|----|-----|-----|
| <b>Muscicapidae - Old World Flycatchers</b> |      |     |      |    |     |    |     |     |    |     |     |
| <b>Redstart</b>                             | 1990 | V   | V    |    |     | V  | V   |     | V  | P   |     |
| <i>Phoenicurus phoenicurus</i>              | 2000 |     |      |    | V   |    |     | V   |    |     |     |
|                                             | 2010 |     |      |    |     |    |     |     |    | V   |     |
|                                             | 2020 |     |      |    |     |    |     |     |    |     |     |
| <b>Whinchat</b>                             | 1990 | P   | P    | P  | P   | P  | P   | P   | P  | P   | P   |
| <i>Saxicola rubetra</i>                     | 2000 | V   | V    | P  | V   |    | P   | P   | V  | P   | V   |
|                                             | 2010 | V   | P    | P  | P   | P  | P   | P   | P  | V   | V   |
|                                             | 2020 | P   | V    | V  | V   | P  | V   |     |    |     |     |
| <b>Stonechat</b>                            | 1990 | P   | V    | WP | WP  | WP | RBP | RBP | WP | RBP | RBP |
| <i>Saxicola rubicola</i>                    | 2000 | WP  | RB?P | WP | WP  | WP | WP  | WP  | WP | WP  | WP  |
|                                             | 2010 | RBP | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | R   |
|                                             | 2020 | R   | RB   | R  | RW  | RB | RB  |     |    |     |     |
| <b>Wheatear</b>                             | 1990 | P   | P    | P  | P   | P  | P   | P   | P  | P   | P   |
| <i>Oenanthe oenanthe</i>                    | 2000 | P   | V    | P  | P   | P  | P   | P   | P  | P   | P   |
|                                             | 2010 | P   | P    | P  | P   | P  | P   | P   | P  | P   | P   |
|                                             | 2020 | P   | P    | V  | P   | V  |     |     |    |     |     |
| <b>Prunellidae - Accentors</b>              |      |     |      |    |     |    |     |     |    |     |     |
| <b>Dunnock</b>                              | 1990 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
| <i>Prunella modularis</i>                   | 2000 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
|                                             | 2010 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
|                                             | 2020 | RB  | RB   | RB | RB  | RB | RB  |     |    |     |     |
| <b>Passeridae - Old World Sparrows</b>      |      |     |      |    |     |    |     |     |    |     |     |
| <b>Tree Sparrow</b>                         | 1990 | V   |      |    |     | V  |     |     |    |     |     |
| <i>Passer montanus</i>                      | 2000 |     |      |    |     |    |     |     |    |     |     |
|                                             | 2010 |     |      |    |     |    |     |     |    |     |     |
|                                             | 2020 |     |      |    |     |    |     |     |    |     |     |
| <b>House Sparrow</b>                        | 1990 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
| <i>Passer domesticus</i>                    | 2000 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
|                                             | 2010 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
|                                             | 2020 | RB  | R    | R  | R   | R  |     |     |    |     |     |
| <b>Motacillidae - Wagtails, Pipits</b>      |      |     |      |    |     |    |     |     |    |     |     |
| <b>Grey Wagtail</b>                         | 1990 | RB  | RB   |    | RB? | RB | RB  | RB  | RB | RB  | RB  |
| <i>Motacilla cinerea</i>                    | 2000 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
|                                             | 2010 | RB  | RB   | RB | RB  | RB | RB  | RB  | RB | RB  | RB  |
|                                             | 2020 | RB  | RB   | RB | RB  | RB | RB  |     |    |     |     |
| <b>Yellow Wagtail</b>                       | 1990 | P   | P    | P  | P   | P  | P   | P   | P  | P   | P   |
| <i>Motacilla flava</i>                      | 2000 | P   | P    | V  | V   | P  | V   | V   | P  | P   | V   |
|                                             | 2010 | P   | P    | P  | P   | V  | P   | P   | P  | P   | P   |
|                                             | 2020 | P   | P    | V  | P   | P  |     |     |    |     |     |

| Species                                            | Year | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|----------------------------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Motacillidae - Wagtails, Pipits (continued)</b> |      |      |     |     |     |     |     |     |     |     |     |
| <b>Pied Wagtail</b>                                | 1990 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Motacilla alba</i>                              | 2000 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                                    | 2010 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                                    | 2020 | RB   | RB  | RB  | RB  | RB  | RB  |     |     |     |     |
| <b>Tree Pipit</b>                                  | 1990 | V    |     | V   | V   |     | P   | V   | V   |     |     |
| <i>Anthus trivialis</i>                            | 2000 |      |     | V   |     |     |     |     |     | V   |     |
|                                                    | 2010 |      |     |     |     |     |     |     | V   |     |     |
|                                                    | 2020 |      |     |     | V   |     |     |     |     |     |     |
| <b>Meadow Pipit</b>                                | 1990 | WP   | WP  | WP  | SWP | SWP | SWP | WP  | SWP | WP  | WP  |
| <i>Anthus pratensis</i>                            | 2000 | WP   | WP  | WP  | WP  | WP  | SWP | WP  | WP  | WP  | WP  |
|                                                    | 2010 | WP   | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  | WP  |
|                                                    | 2020 | WP   | WP  | WP  | WP  | WP  | WP  |     |     |     |     |
| <b>Rock Pipit</b>                                  | 1990 |      |     |     |     |     |     | V   | V   |     |     |
| <i>Anthus petrosus</i>                             | 2000 |      |     |     |     |     |     |     | V   |     | V   |
|                                                    | 2010 |      |     |     |     |     |     |     |     |     |     |
|                                                    | 2020 |      |     |     |     |     |     |     |     |     |     |
| <b>Water Pipit</b>                                 | 1990 |      |     | V   |     |     | V   |     |     |     |     |
| <i>Anthus spinoletta</i>                           | 2000 |      |     |     | V   |     |     |     |     | V   |     |
|                                                    | 2010 |      |     |     |     | V   |     |     |     |     |     |
|                                                    | 2020 |      |     |     |     |     |     |     |     |     |     |
| <b>Fringillidae - Finches, Euphonies, Allies</b>   |      |      |     |     |     |     |     |     |     |     |     |
| <b>Brambling</b>                                   | 1990 | W    | W   | W   | W   | W   | W   | W   | W   | W   | W   |
| <i>Fringilla montifringilla</i>                    | 2000 |      | W   | W   | V   | V   | W   | W   | W   | V   | V   |
|                                                    | 2010 | W    | W   | W   |     | V   | W   | V   |     | V   | V   |
|                                                    | 2020 | W    | W   | V   | V   |     | V   |     |     |     |     |
| <b>Chaffinch</b>                                   | 1990 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Fringilla coelebs</i>                           | 2000 | RB   | RB  | RB  | RB  | RB  | RWB | RWB | RWB | RWB | RWB |
|                                                    | 2010 | RWB  | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                    | 2020 | RWB  | RWB | RWB | RWB | RWB | RB  |     |     |     |     |
| <b>Hawfinch</b>                                    | 1990 |      |     |     |     |     |     |     |     |     |     |
| <i>Coccothraustes coccothraustes</i>               | 2000 |      |     |     |     |     |     |     |     |     |     |
|                                                    | 2010 |      |     |     |     |     |     |     | W   | W   |     |
|                                                    | 2020 |      |     |     |     |     |     |     |     |     |     |
| <b>Bullfinch</b>                                   | 1990 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Pyrrhula pyrrhula</i>                           | 2000 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                                    | 2010 | RWB  | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB | RWB |
|                                                    | 2020 | RWB? | RW  | RW  | RW  | RW  | V   |     |     |     |     |
| <b>Greenfinch</b>                                  | 1990 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
| <i>Chloris chloris</i>                             | 2000 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                                    | 2010 | RB   | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  | RB  |
|                                                    | 2020 | RB   | RB  | RB  | RB  | RB? | RB  |     |     |     |     |

| Species                                                      | Year | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
|--------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| <b>Fringillidae - Finches, Euphonies, Allies (continued)</b> |      |      |      |      |      |      |      |      |      |      |      |
| <b>Linnet</b>                                                | 1990 | R    | R    | R    | R    | R    | R    | RB   | RB   | RB   | RB   |
| <i>Linaria cannabina</i>                                     | 2000 | RWB  | RWB  | RWB  | RWB  | RWB  | RWB  | RWB  | RWB  | RWB  | RWB  |
|                                                              | 2010 | RW   | RWB? | RWB? | RWB? | RWB? | RWB? | RWB? | RWB? | RWB? | RWB? |
|                                                              | 2020 | RWB? | RWB  | RW   | RW   | RWB? | RB   |      |      |      |      |
| <b>Redpoll (note 2)</b>                                      | 1990 |      |      |      |      |      |      |      |      |      |      |
| <i>Acanthis cabaret</i>                                      | 2000 |      |      |      |      |      |      |      | V    |      |      |
| <i>Acanthis flammea</i>                                      | 2010 | V    |      | V    |      |      |      |      |      |      |      |
| Classification change start of 2024                          | 2020 |      |      |      |      |      |      |      |      |      |      |
| <b>Common Redpoll (note 2)</b>                               | 1990 | R    | R    | R    | R    | R    | R    | R    | W    | W    | W    |
| <i>Acanthis flammea</i>                                      | 2000 | W    | W    | W    | W    | W    | W    | W    | W    | W    | W    |
|                                                              | 2010 | W    | W    | W    | W    | W    | W    | W    | W    | W    | W    |
|                                                              | 2020 | W    | W    | W    | W    | W    | W    |      |      |      |      |
| <b>Crossbill</b>                                             | 1990 |      |      |      |      | V    |      | V    | V    | V    | V    |
| <i>Loxia curvirostra</i>                                     | 2000 |      |      |      |      |      |      |      |      |      |      |
|                                                              | 2010 | V    |      |      | V    |      |      | V    |      | V    |      |
|                                                              | 2020 | V    | V    |      |      | V    | V    |      |      |      |      |
| <b>Goldfinch</b>                                             | 1990 | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   |
| <i>Carduelis carduelis</i>                                   | 2000 | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   |
|                                                              | 2010 | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   |
|                                                              | 2020 | RB   | RB   | RB   | RB   | R    | R    |      |      |      |      |
| <b>Siskin</b>                                                | 1990 | W    | W    | W    | W    | W    | W    | W    | W    | W    | W    |
| <i>Spinus spinus</i>                                         | 2000 | W    | W    | W    | W    | W    | W    | W    | W    | W    | W    |
|                                                              | 2010 | W    | W    | W    | W    | W    | W    | W    | W    | W    | WP   |
|                                                              | 2020 | WP   | WP   | WP   | WP   | WP   | W    |      |      |      |      |
| <b>Emberizidae - Old World Buntings</b>                      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Reed Bunting</b>                                          | 1990 | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   |
| <i>Emberiza schoeniclus</i>                                  | 2000 | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   |
|                                                              | 2010 | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   |
|                                                              | 2020 | RB   | RB   | RB   | RB   | RB   | RB?  |      |      |      |      |
| <b>Yellowhammer</b>                                          | 1990 | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   | RB   |
| <i>Emberiza citrinella</i>                                   | 2000 | RB   | RWB  | RB   | RB   | RWB  | RWB  | RWB  | RWB  | RB   | RB   |
|                                                              | 2010 | RB   | RB   | V    |      |      |      |      | V    |      |      |
|                                                              | 2020 |      |      |      |      |      |      |      |      |      |      |

Note 1 - Prior to a recent taxonomy change, the *carolinensis* race of Teal was treated as a separate species, the Green-winged Teal. Now Teal and Green-winged Teal are considered the same species - *Anas crecca*.

Note 2 - Lesser Redpoll *Acanthis cabaret* and Common Redpoll *Acanthis flammea* have been reclassified as one species Redpoll *Acanthis flammea*. Records prior to 2024 have both species, but since 2024 just the reclassified Redpoll is used.

## Bird observations totals by year

| Species                       | Year | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|-------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Total species recorded</b> | 1990 | 125 | 128 | 130 | 136 | 133 | 129 | 139 | 139 | 136 | 123 |
|                               | 2000 | 123 | 130 | 128 | 128 | 130 | 133 | 144 | 136 | 135 | 136 |
|                               | 2010 | 132 | 139 | 135 | 134 | 136 | 133 | 136 | 138 | 133 | 131 |
|                               | 2020 | 126 | 128 | 125 | 130 | 126 | 127 |     |     |     |     |
| <b>Total species breeding</b> | 1990 | 60  | 64  | 64  | 65  | 64  | 67  | 68  | 67  | 66  | 67  |
|                               | 2000 | 64  | 66  | 65  | 66  | 67  | 67  | 68  | 70  | 71  | 67  |
|                               | 2010 | 67  | 67  | 62  | 62  | 60  | 60  | 59  | 62  | 61  | 57  |
|                               | 2020 | 57  | 55  | 45  | 49  | 44  | 44  |     |     |     |     |

Total number of species recorded is 221.

The following additional species were all recorded prior to 1990.

Black-throated diver - *Gavia arctica* (1977)

Willow Tit - *Parus montanus* (1985)

Ferruginous Duck - *Aythya nyroca* (1985)

Kentish Plover - *Charadrius alexandrinus* (1986)

Sabine's Gull - *Larus sabini* (1987)

## Appendix G - Wetland Bird Survey Counts

Monthly Wetland Bird Survey (WeBS) counts were carried out and submitted to the British Trust for Ornithology as part of this national monitoring scheme. Counts were conducted, predominantly in the winter months, of all the lakes (Moor Green Lakes, Manor Farm, Horseshoe Lake and the Hampshire lakes of the Eversley complex) and resulted in totals as shown below.

|                     | 13th Jan | 17th Feb | 16th Mar | April     | 8th Sept | 10th Oct | 7th Nov | 8th Dec |
|---------------------|----------|----------|----------|-----------|----------|----------|---------|---------|
| Barnacle Goose      | 14       | 13       | 2        | No Survey | 0        | 0        | 13      | 0       |
| Canada Goose        | 220      | 66       | 89       |           | 50       | 99       | 116     | 87      |
| Coot                | 202      | 46       | 34       |           | 201      | 332      | 269     | 337     |
| Cormorant           | 15       | 15       | 16       |           | 19       | 19       | 21      | 37      |
| Egyptian Goose      | 9        | 15       | 12       |           | 12       | 19       | 4       | 11      |
| Gadwall             | 115      | 22       | 35       |           | 50       | 128      | 194     | 250     |
| Goldeneye           | 0        | 0        | 0        |           | 0        | 0        | 0       | 0       |
| Goosander           | 20       | 9        | 7        |           | 0        | 0        | 0       | 10      |
| Great Crested Grebe | 18       | 14       | 18       |           | 19       | 20       | 17      | 19      |
| Grey Heron          | 7        | 12       | 17       |           | 2        | 3        | 4       | 3       |
| Greylag Goose       | 29       | 2        | 12       |           | 0        | 0        | 0       | 27      |
| Lapwing             | 3        | 170      | 12       |           | 56       | 140      | 135     | 62      |
| Little Egret        | 0        | 4        | 3        |           | 2        | 1        | 1       | 1       |
| Little Grebe        | 6        | 3        | 0        |           | 2        | 3        | 8       | 5       |
| Mallard             | 61       | 70       | 36       |           | 85       | 88       | 110     | 86      |
| Mandarin Duck       | 0        | 0        | 0        |           | 5        | 1        | 0       | 0       |
| Moorhen             | 11       | 7        | 3        |           | 21       | 25       | 15      | 10      |
| Mute Swan           | 20       | 7        | 13       |           | 17       | 15       | 35      | 23      |
| Pochard             | 5        | 10       | 2        |           | 0        | 3        | 8       | 15      |
| Shelduck            | 0        | 1        | 3        |           | 0        | 0        | 0       | 0       |
| Shoveler            | 69       | 43       | 69       |           | 34       | 66       | 37      | 48      |
| Snipe               | 19       | 113      | 28       |           | 0        | 10       | 13      | 21      |
| Teal                | 55       | 59       | 55       |           | 9        | 85       | 31      | 11      |
| Tufted Duck         | 116      | 141      | 110      |           | 46       | 83       | 108     | 88      |
| Wigeon              | 138      | 108      | 23       |           | 3        | 69       | 151     | 201     |

Count data: J M Clark, R J Godden, H Wright, A Stoney.

## Appendix H - Acidity and Water Quality Monitoring

*Alan Holmes*

Water testing was carried out in conjunction with the Blackwater Valley Action for our River (BVAR) at two locations; Northeast corner of Colebrook North and Moulsham Bridge. Results below.

Moor Green North Colebrook Lake, Northwest corner SU80566251

|                   | Conductivity $\mu\text{S}$ | pH (meter) | Phosphate (ppm) | NH <sub>3</sub> -N(ppm) |
|-------------------|----------------------------|------------|-----------------|-------------------------|
| Average Values    | 269.5                      | 6.60       | 0.35            | 0.68                    |
| Number of Samples | 2                          | 1          | 3               | 3                       |

Blackwater River at Moulsham Bridge SU807621

|                   | Conductivity $\mu\text{S}$ | pH (meter) | Phosphate (ppm) | NH <sub>3</sub> -N(ppm) |
|-------------------|----------------------------|------------|-----------------|-------------------------|
| Average Values    | 765.5                      | 7.27       | 0.38            | 0.15                    |
| Number of Samples | 11                         | 7          | 13              | 11                      |

The conductivity is significantly higher on the river than in the lake, a trend also seen in a single sample at Manor Farm. Conductivity only tells us the amount of dissolved salts in the water: it does not tell us which ones. It is typically monitored to pick up sudden changes in water chemistry such as a pollution incident.

It is unclear why the Ammonia (NH<sub>3</sub>) level is significantly higher on the lake than on the river.

The pH of the lake is lower than the river ie the lake is more acidic, presumably due to the acid runoff from the Ridges which is buffered by the lake before going into the river.



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# Appendix I - Contribution to UK National Surveys

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## Introduction

For over 30 years, our Recorders have spent many hours monitoring the reserve to record the flora and fauna at Moor Green Lakes; and their observations have been enhanced by the notes that ad-hoc visitors, many being regulars, have added to the lists of sightings sheets pinned up in Colebrook Lake hide.

This time span allows us to make useful comparisons, between years, of the changing metrics such as: the abundance of individual species, their earliest arrivals, numbers of fledglings etc.

The bird ringing data, helps us and others understand the journeys our visiting birds undertake. Much of our species data are forwarded onto the appropriate County and National recording schemes and is thus added to the network of citizen-science information maintained in those repositories.

The notes below show how our local data is shared.

## Bird sightings

For the bird sightings sections of the annual report, we only use a dataset that Marek Walford, the County Bird Recorder, sends us. This is the Moor Green component of a dataset that he compiles annually that feeds into an online database of Berkshire bird records (currently from around year 2000) that is publicly viewable. The dataset includes records that observers have entered into [berksbirds.co.uk](http://berksbirds.co.uk), BirdTrack and individual's spreadsheets such as the records on the sheets in the hides, and is subject to validation by the Berkshire Records Committee to ensure that records (of rarer species) are acceptable. The BirdTrack records are already within a national scheme, and the complete dataset is sent to TVERC.

Our WeBS observations are sent to the BTO's [Wetland Bird Survey project](#).

## Bird ringing

All the ringing data including weight, wing measurements, moult codes and breeding condition is entered to the BTO database where it is used for research by ornithologists, researchers and the BTO for pursuing their work on bird populations, breeding success, longevity and distribution.

More information at [Bird Ringing Scheme](#).

## Bird nest box recording

The nest records are recorded in the Nest Record Scheme with the BTO

More information at [Bird Nest Record Scheme](#).

## Butterflies

MGL Butterfly sightings are put through to the United Kingdom Butterfly Monitoring System. More information [here](#).

Usually at the end of the season, the data is also uploaded onto iRecord.

## **Dragonflies and Damselflies**

Dragonfly records on formal surveys are recorded in Living Record and these go to the County Recorder for verification, together with photographs of unusual sightings, such as for example, the Lesser Emperor sightings. Together with any casual iRecord records that anyone can submit for Moor Green, or indeed anywhere else, they are uploaded annually in March/April to the National Biodiversity Network. More information [here](#).

These records can be accessed by anyone and are used for various purposes. For example, tracking the state of individual species nationally, as seen for example in the "State of Dragonflies 2021" report. They are also used to assess the changing phenology - the timing of life cycles of various species - in response to climate change. The latest focus is on the effect of the changing climate on specific species.

## **Small Mammal Surveys**

The trapping records are put into iRecord and then Living Record, for use by the county records office.

Most of the casual reports are too vague to make good records and would need verification before being accepted, so they are just an indication of widespread species and recording.

## **Botanical**

Currently (2025) these are not reported, but it is planned to submit records to the Botanical Society of Britain and Ireland in the future.